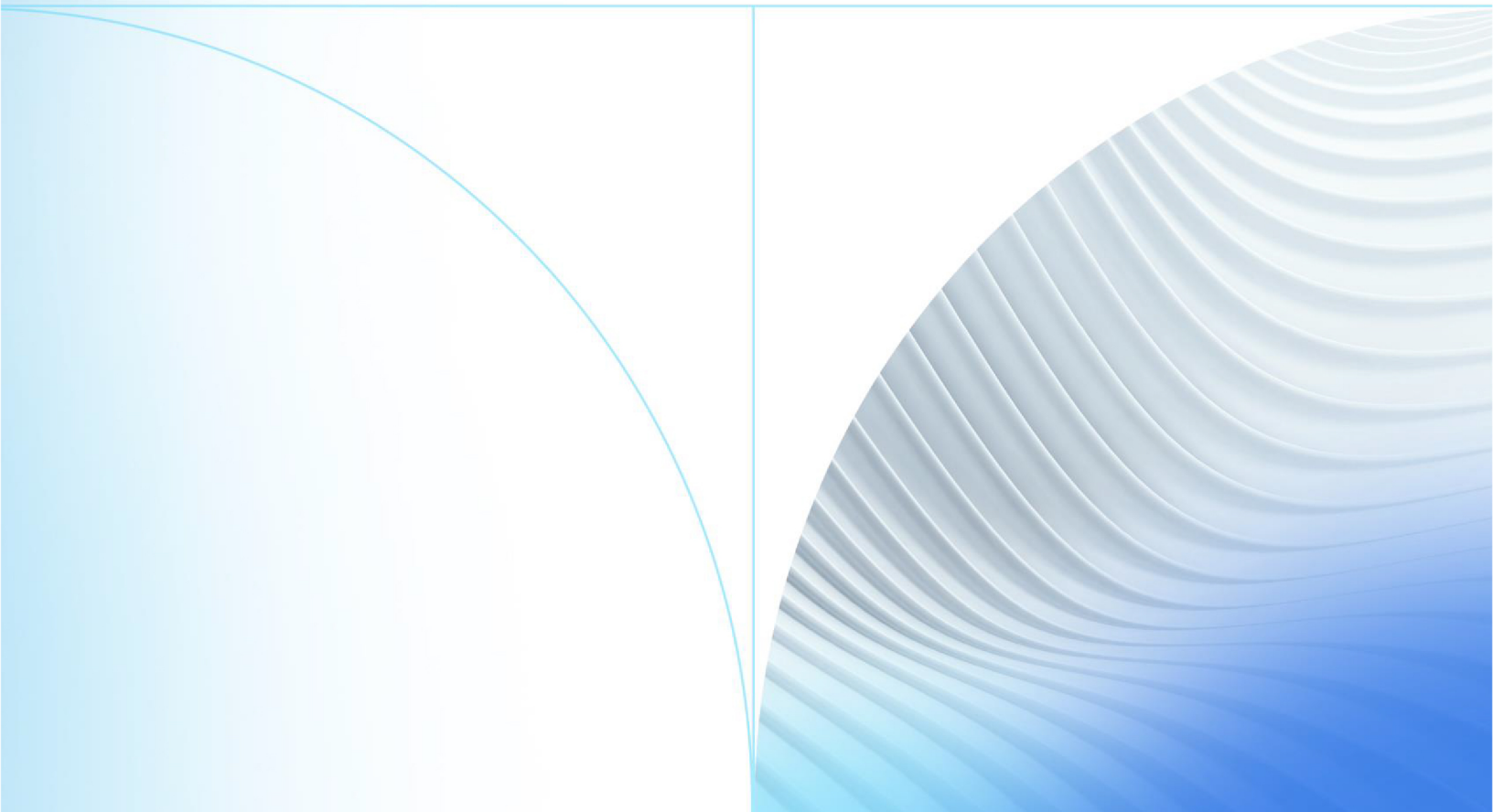




FactorSoft™

• Release v4.7

Export Guide



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The FactorSoft™ application is intended for use in accordance with the standards and processes described within this documentation. Efforts to investigate and/or repair FactorSoft™ application or data integrity issues caused by activities or integrations outside of the intended use of the FactorSoft™ platform will be subject to the then-current Jack Henry Professional Services billable hourly rate.

Standard Maintenance Services (Technical Support) does not include the following:

Investigation and Remediation of errors and data integrity issues caused, contributed to, or by any of the following:

- a software program that was not originally provided by Jack Henry
 - third-party automation, BOT/Screen Scraping technology, custom importers, or any other integration with FactorSoft™ that was not created by or in conjunction with Jack Henry.
- any modification not provided by Jack Henry to the software or standard database schema
 - the addition of custom database elements including triggers, stored procedures, tables, and columns
 - the alteration of standard FactorSoft™ triggers, tables, columns, stored procedures and indexes
 - the execution of T-SQL scripts resulting in changes to the data stored within the FactorSoft™ database
- equipment, software, networks or any other infrastructure in the customer's environment that does not meet the minimum requirements described within the then-current FactorSoft™ product documentation

Please note that if you are exploring possibilities with third-party software providers or considering altering the FactorSoft database in any way, it is strongly recommended that you discuss your plans with the FactorSoft™ support team before making any commitments or changes. As your software partner, we may be able to help solve your business problem in a way that does not introduce risk, data corruption, or system instability.

Table of Contents

- Overview 1
- Export List 2
 - Export List 2
 - Export Detail 3
 - Parameters Tab* 5
 - Destination Tab* 5
 - Scheduling Tab* 6
 - Export History 8
 - Export Names 9
 - BillTrust Export* 9
 - File Specifications** 9
 - System Preferences** 12
 - Sample File** 12
 - BillTrust Thin Invoice Export* 13
 - Parameters** 13
 - File Specifications** 13
 - System Preferences** 16
 - Sample File** 16
 - Chargeback Export for ClientWeb* 17
 - Setting Up ClientWeb for Chargeback Export** 17
 - Creating the Chargeback File Export** 20
 - Check Writer Export* 22
 - Parameters** 22
 - Client Information Export* 23
 - Parameters** 23
 - CIT Invoice Export* 24
 - Parameters** 24



CIT Invoice Export Layout	24
Name and Address Record	25
Invoice Data Record	26
Client/Debtor Assignment Total Record	29
Transmission Total Record	30
<i>Concentration Export</i>	<i>31</i>
Parameters	31
File Specifications	32
<i>Data Warehouse Export</i>	<i>32</i>
File Specifications	33
System Preferences	40
Sample File	41
<i>Database Table Dump</i>	<i>41</i>
Parameters Tab	41
	42
<i>Debtor Credit Export</i>	<i>42</i>
Parameters	43
<i>Dun and Bradstreet Export</i>	<i>43</i>
Parameters	43
DNBI Data Extract File Elements	44
Experience Reporting Data Extract File Elements	45
<i>Invoice Status Export</i>	<i>46</i>
Parameters	47
Sample Export	48
<i>Payment XML Export</i>	<i>48</i>
Payment XML Export	48
Security Roles	48
File Specifications	48
Sample File	51
G/L Exports	52

Export List for G/L Exports	52
<i>Selecting G/L Exports in the Export List</i>	52
Security Roles	55
<i>Jack Henry (Silverlake/GLXTRN)</i>	55
System Preferences	56
File Layout	56
<i>Jack Henry (2020) File Layout</i>	57
System Preferences	58
File Layout	58
<i>Jack Henry Silverlake (FNB/GLWRKT) File Layout</i>	59
System Preferences	60
File Layout	60
<i>Symitar File Layout</i>	62
<i>FCSDE File Layout</i>	63
System Preferences	64
File Specifications	64
<i>PeopleSoft-GL JGEN</i>	66
System Preferences	66
<i>Great Plains Detail II File Layout</i>	71
File Specifications	72
Sample File	72
<i>FIS Horizon</i>	73
System Preferences	74
Tables	75
File Specifications	75
Sample File	85
<i>PeopleSoft File Layout</i>	85
System Preferences	86
System Preferences	86
File Specifications	86
Sample Export	93

<i>Sage/Intak File Layout</i>	94
System Preferences	94
Sample Export	100
<i>Oracle/Frontier File Layout</i>	100
Header File Specifications	101
Detail File Specifications	102
Summary File Specifications	103
Sample Export	105
G/L Export Layouts	105
<i>AccPac/Sage ERP File Layout</i>	106
System Preferences	106
File Specifications	106
Header Record	106
Detail Record	107
<i>AmSouth Summary</i>	109
System Preferences	109
File Layout	109
<i>FIF3 File Layout</i>	111
<i>FLEXI Accounting</i>	112
Header Record	112
Invoice Detail Records	113
<i>JD Edwards Summary</i>	113
<i>JD Edwards Detail</i>	114
<i>MAS 90 Export</i>	115
System Preferences	115
File Layout	115
<i>Oracle Detail Accounting</i>	115
System Preferences	115
File Layout	116
Sample File	118
<i>QuickBooks G/L Interface with FactorSoft</i>	119

Initial QuickBooks Interface Testing	120
Additional Notes Concerning QuickBooks Pro/Premier 2008+ versions	121
Account Types	121
QuickBooks Chart of Accounts Set Up	121
Split Transactions	121
<i>QuickBooks Online Work File</i>	122
<i>Sage 100 ERP Export</i>	122
System Preferences	122
File Layout	123
<i>Simply Accounting</i>	123
Example	124
Export Module	125
Exporting Credit Data	125
<i>Export Aging File</i>	126
Aging File Layout	128
<i>AIMS Export</i>	129
AIMS Credit Response Export	130
Parameters Tab	131
Scheduling Tab	132
Templates Tab	132
System Preferences	132
AIMS Credit Response Layout	133
<i>CoreLogic/CompuNet™ Extract</i>	134
System Preferences	135
CoreLogic/Compunet Extract File Layout	135
<i>Debtor Credit Export</i>	136
Parameters Tab	137
Scheduling Tab	138
Templates Tab	138
Smyyth Group Debtor Extract File Layout	138

FN Credit Exchange Extract File Layout	140
<i>Dun & Bradstreet Data Extract</i>	<i>141</i>
Parameters Tab	143
Scheduling Tab	145
Templates Tab	145
DNBI Data Extract File Elements	145
Experience Reporting Data Extract File Elements	146
DNBi Data Import	147
EDI Menu - Export Module	147
<i>EDI 210 - Freight Payment Requests</i>	<i>148</i>
Sender and Receiver Qualifiers and IDs	148
Invoices Subject to Payment Services	148
EDI 210 Data Entry	148
Create New Invoice Detail	150
EDI 210 Invoice Detail Fixed Elements Tab	151
Invoice Detail Entities Tab	152
Create New Entity Dialog	153
Invoice Detail Line Items Tab	154
Create New Line	155
<i>EDI 210 Freight Payment Requests</i>	<i>156</i>
Exporting the EDI 210 File	156
Parameters Tab	157
Scheduling Tab	158
Templates Tab	158
<i>EDI 210 Specification</i>	<i>158</i>
<i>EDI 870 Credit Request Decision</i>	<i>169</i>
EDI 870 Export Screen	169
Parameters Tab	170
Scheduling Tab	171
Templates Tab	171

System Preferences	171
EDI 870 Credit Request Reply Specification	172
Header Segments	172
Body Segments	173
Trailer Segments	175
EDI 870 Example	175
Other Menu - Export Module	176
<i>Aquent Export</i>	177
Parameters Tab	177
Scheduling Tab	178
Templates Tab	178
Scheduling Tab	178
Using the Templates Tab	180
<i>Chargeback Export</i>	182
Parameters Tab	182
Scheduling Tab	184
Templates Tab	184
Sample File	184
<i>Interagency Loan Data Export</i>	184
Parameters Tab	185
<i>Payment Export</i>	186
Parameters Tab	186
Scheduling Tab	187
Templates Tab	187
File Layouts	187
<i>Recovery Systems Export</i>	188
Parameters Tab	188
Scheduling Tab	189
Templates Tab	189
<i>Refund Disbursement</i>	189

<i>Transfer Out</i>	192
<i>OFAC Export</i>	193
Parameters Tab	193
Scheduling Tab	194
Templates Tab	194
EDI Exports	195
EDI 822 Credit Export	195
<i>Parameters</i>	196
EDI 855 Credit Decision Specification	196
<i>Header Segments</i>	196
<i>Body Segments</i>	198
<i>Trailer Segments</i>	201
RiskFactor Credit Analysis Overview	202
Risk Factor Credit Analysis Interface	202
<i>System Preferences</i>	203
RiskFactor Group Settings	204
<i>Assigning Group Values</i>	206
RiskFactor Settings and Export Values	206
<i>System Settings</i>	206
Currency	207
Client/Debtor Identification	207
Check Source	207
Recourse/Non-recourse	207
RiskFactor Directory Structure	208
<i>Date Logic</i>	208
Risk Factor File Specifications	208
<i>Table File - rftbl.lst</i>	209
<i>Group File - rfclgrp.lst</i>	210
<i>Client File - rfclt.lst</i>	210
<i>Client Facility File - rfclfac.lst</i>	213

<i>Client Facility Transaction File - rfc1trn.lst</i>	216
<i>Open Invoice File - rfinvopn.lst</i>	217
<i>Disapproved/Dispute File - rfopndsp.lst</i>	219
<i>Closed Invoice File - rfclinv.lst</i>	222
<i>Cash Open File - rfcshop.lst</i>	224
<i>Cash Applied File - rfcshap.lst</i>	225
<i>Item Adjustment File - rfitadj.lst</i>	227
<i>Currency Table File - rfrate.lst</i>	230
<i>Client/Item Control Files</i>	230
<i>Debtor Group File - rfdgrp.lst</i>	232
<i>Debtor File - rfdbr.lst</i>	234
<i>Client Debtor Account File - rfdbrac.lst</i>	237
<i>Client/Debtor Analysis Control Files</i>	240
<i>Sample File List</i>	241
Export Debtors	243
Smyth Group Debtor Extract File Layout	243
Export Invoices	245
FIS Invoice Extract	245
<i>System Preferences</i>	247
<i>FIS Invoice Extract File Layout</i>	247
CIT Invoice Export	252
<i>Parameters</i>	252
<i>CIT Invoice Export Layout</i>	253
Name and Address Record	254
Invoice Data Record	255
Client/Debtor Assignment Total Record	257
Transmission Total Record	258
Check and Wire Interfaces	260
Check and Wire Interfaces Overview	260

Setting Up Check and Wire Interfaces	260
<i>System Preferences</i>	260
<i>G/L Account Set-up</i>	261
<i>Client Information Bank Relationship</i>	261
Automatic Check Interface Processing	262
820 FedWire Interface	263
<i>System Preferences</i>	263
<i>Override Crystal Report Module</i>	265
<i>820 FedWire File Specifications</i>	265
Sample Wire File	268
Bank of America Positive Pay Interface	269
<i>System Preferences</i>	269
<i>Override Crystal Report Module</i>	270
<i>Bank of America Positive Pay File Specifications</i>	270
Sample Wire File	270
Bank of America Interface	270
<i>System Preferences</i>	271
<i>Override Crystal Report Module</i>	272
<i>Bank of America File Specifications</i>	272
Bank of Oklahoma Interface	282
<i>System Preferences</i>	282
<i>Override Crystal Report Module</i>	282
<i>Bank of Oklahoma File Specifications</i>	282
CitiDirect ACH/CCD/PPD Interface	284
<i>System Preferences</i>	284
<i>Override Crystal Report Module</i>	285
<i>CitiDirect ACH/CCD/PPD File Specifications</i>	285
Sample Wire File	292
CitiDirect Book Transfer Interface	293
<i>System Preferences</i>	293
<i>Override Crystal Report Module</i>	294

<i>CitiDirect Book Transfer File Specifications</i>	294
Sample Wire File	312
CitiDirect Wire File Interface	313
<i>System Preferences</i>	313
<i>Override Crystal Report Module</i>	314
<i>CitiDirect Wire File Specifications</i>	314
Sample Wire File	333
Comdata Express Interface	333
<i>System Preferences</i>	334
<i>Override Crystal Report Module</i>	335
<i>Comdata File Specifications</i>	335
DeskBank – Australia Disbursements Interface	337
<i>System Preferences</i>	337
<i>Override Crystal Report Module</i>	338
<i>DeskBank – Australia Disbursement File Specifications</i>	338
Sample Wire File	339
Deskbank – New Zealand Disbursements Interface	339
<i>System Preferences</i>	339
<i>Override Crystal Report Module</i>	340
<i>Deskbank – New Zealand File Specifications</i>	340
Sample Wire File	341
EFS Interface	341
<i>System Preferences</i>	341
<i>Override Crystal Report Module</i>	342
<i>EFS File Specifications</i>	342
EFS/TS Interface	343
<i>System Preferences</i>	343
<i>Override Crystal Report Module</i>	344
<i>EFS/TS File Specifications</i>	344
EFS Interface	345
<i>System Preferences</i>	345

<i>Override Crystal Report Module</i>	346
<i>EFS File Specifications</i>	346
Sample Wire File	346
FRB FedWire Service Interface	347
<i>System Preferences</i>	347
<i>Override Crystal Report Module</i>	348
<i>FRB FedWire Service File Specifications</i>	349
Sample Wire File	355
FIS ConnectWare Interface	356
<i>System Preferences</i>	356
<i>Override Crystal Report Module</i>	358
<i>FIS ConnectWare Password Change</i>	358
FIS Metavante System Wire Interface	359
<i>System Preferences</i>	360
<i>Override Crystal Report Module</i>	360
<i>FIS Metavante System Wire File Specifications</i>	360
FleetOne Interface	366
<i>System Preferences</i>	366
<i>Override Crystal Report Module</i>	366
<i>FleetOne File Specifications</i>	366
IBB Wire Interface	367
<i>System Preferences</i>	368
<i>Override Crystal Report Module</i>	368
<i>IBB Wire File Specifications</i>	368
Template Characteristics	368
File Specifications	369
Sample Wire File	373
Jack Henry Federal Wire Interface	374
<i>System Preferences</i>	374
<i>Override Crystal Report Module</i>	374
<i>Jack Henry File Specifications</i>	374

Jack Henry CFMTRN Direct Account Interface	380
<i>System Preferences</i>	381
<i>Override Crystal Report Module</i>	381
<i>Jack Henry CFMTRN Direct Account File Specifications</i>	381
Sample Wire File	385
Loves Express Fuel Card Interface	385
<i>System Preferences</i>	386
<i>Override Crystal Report Module</i>	386
<i>LEX File Specifications</i>	386
Sample Wire File	387
M&T Bank Batch Wire Interface	387
<i>System Preferences</i>	388
<i>Override Crystal Report Module</i>	388
<i>M&T Bank Batch Wire File Specifications</i>	388
Sample Wire File	392
M&T NACHA ACH/CCD Interface	393
<i>System Preferences</i>	393
<i>Override Crystal Report Module</i>	394
<i>M&T NACHA ACH/CCD File Specifications</i>	394
Sample Wire File	402
M&T NACHA ACH/PPD Interface	402
<i>System Preferences</i>	402
<i>Override Crystal Report Module</i>	404
<i>M&T NACHA ACH/PPD File Specifications</i>	404
Sample Wire File	411
NAB Wire Interface	411
<i>System Preferences</i>	412
<i>Override Crystal Report Module</i>	412
<i>NAB File Specifications</i>	412
Sample Wire File	413
NACHA ACH/CCD Interface	413

<i>System Preferences</i>	414
<i>Override Crystal Report Module</i>	415
<i>NACHA ACH File Specifications</i>	415
NACHA ACH/PPD Interface	421
<i>System Preferences</i>	421
<i>Override Crystal Report Module</i>	423
<i>NACHA ACH PPD File Specifications</i>	423
National/ANZ Online Direct Payment Interface	429
<i>System Preferences</i>	429
<i>Override Crystal Report Module</i>	429
<i>National/ANZ Online Direct Payment File Specifications</i>	429
Sample Wire File	431
RBC Express	431
<i>RBC Express Interface</i>	431
System Preferences	431
Override Crystal Report Module	432
<i>RBS File Specifications</i>	432
Sample Wire File	434
RBS Citizens Bank Interface	434
<i>System Preferences</i>	434
<i>Override Crystal Report Module</i>	435
<i>RBS File Specifications</i>	435
Sample Wire File	436
Scotia Bank Wire Interface	436
<i>System Preferences</i>	437
<i>Override Crystal Report Module</i>	437
<i>Scotia Bank Wire File Specifications</i>	437
Sample Wire File	461
SunTrust Batch Wire Interface	461
<i>System Preferences</i>	461
<i>Override Crystal Report Module</i>	462

<i>Bank Codes</i>	462
<i>SunTrust Batch Wire File Specifications</i>	462
Sample Wire File	485
Transportation Alliance Bank Wire Interface	485
<i>System Preferences</i>	486
<i>Override Crystal Report Module</i>	486
<i>Transportation Alliance Banks File Specifications</i>	486
Sample Wire File	488
T24 Extract Interface	488
<i>System Preferences</i>	488
<i>T24 File Specifications</i>	489
UMB Repetitive Wire Interface	492
<i>System Preferences</i>	492
<i>Override Crystal Report Module</i>	493
<i>UMB Repetitive Wire Specifications</i>	493
UMB Wire Interface	495
<i>System Preferences</i>	495
<i>Override Crystal Report Module</i>	495
<i>UMB Wire File Specifications</i>	495
Sample Wire File	500
Wells Fargo Credit Export Interface	500
<i>System Preferences</i>	501
<i>Wells Fargo Credit Export Specifications</i>	501
Sample Wire File	530
Wells Fargo Federal Wire Interface	531
<i>System Preferences</i>	532
<i>Override Crystal Report Module</i>	533
<i>Wells Fargo Federal Wire File Specifications</i>	533
Example	536
Wells Fargo Positive Pay Export Interface	537
<i>System Preferences</i>	537

<i>Override Crystal Report Module</i>	537
<i>Wells Fargo Positive Pay Export File Specifications</i>	537
Sample Wire File	539
Check Report Writer	539
<i>Setting Up Check Report Writer</i>	539
Creating the Excel Spreadsheet	540
Adding the Engine Task	541
Setting Up the G/L Account	541
Data Warehouse Extract	543
System Preferences	543
Data Warehouse Extract Sample File	543
Stand-alone Executable Overview	545
T24 Extract	545
<i>System Preferences</i>	545
Cadence Credit Watch	547
Cadence Fee Tester	549
Calculate Initial At-Risk Invoices	551
Bancware Extract	553
Client/Customer List (DCL)	555
<i>System Preferences</i>	555
Client/Customer Summary (DSR)	557
<i>System Preferences</i>	557
<i>File Specifications</i>	559
<i>Sample File</i>	559
Statement Extract	560
<i>System Preferences</i>	560
Standard Register Extract	562
<i>System Preferences</i>	563
<i>File Specifications</i>	565
<i>Sample File</i>	565

Insurance Calculator	566
Credit Export	568
FIS Invoice Extract	569
<i>System Preferences</i>	572
<i>FIS Invoice Extract File Layout</i>	572
FactorSoft and the Lending Solutions Service Portal	578
Index	580



Overview

FactorSoft offers many different options to export data. It is important to set your system preferences carefully to prevent errors during the export process. Each of the available options have unique set-up requirements and output file formats. The general guidelines are described in this guide.

Often the receiving institution requires specific information during the export process which may involve a custom interface for your institution. If you believe your institution needs a custom enhancement see the [Lending Solutions Service Portal](#) section of this guide for more information on requesting an enhancement.

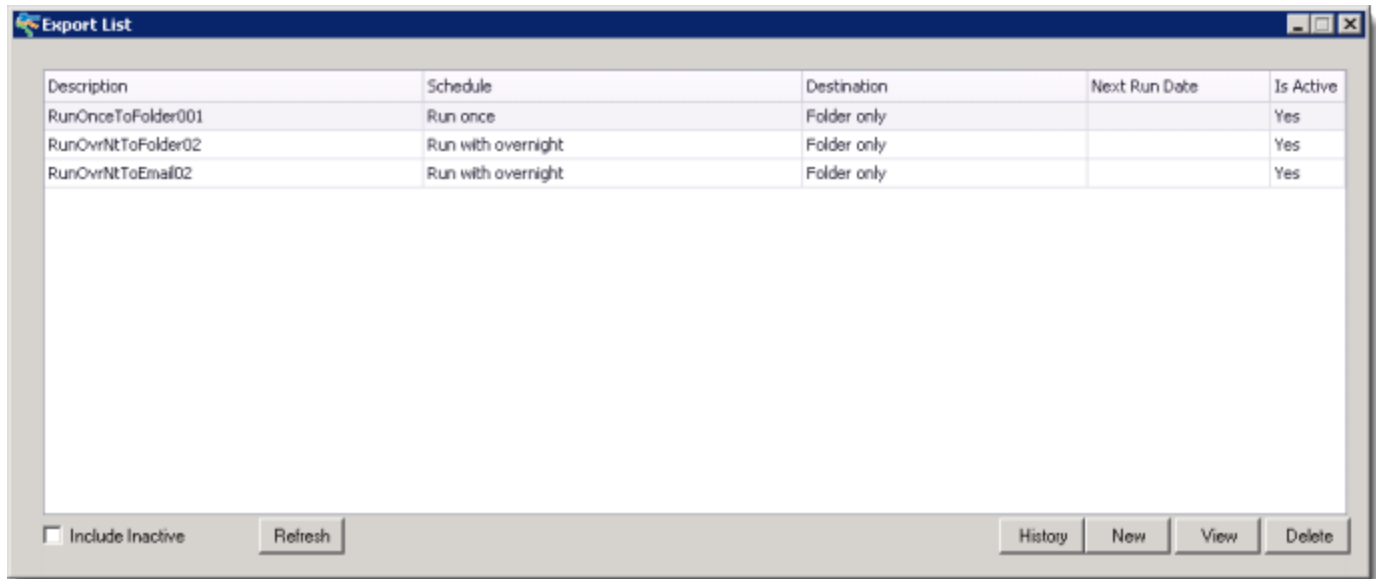
Export List

The Export List is accessed from the **Administration** menu of the Admin module, and allows the export of any FactorSoft database table as a text file. The Export List provides the capability to create multiple extract jobs that can be executed through the Engine on a one-time only basis, or scheduled for periodic generation through the Engine. The file can be exported to a folder location, FTP site, or email address.

Export List

The *Export List* screen shows a list of any export jobs that have been set up or recently processed.

- To view detail about a job, select it from the list and click the **View** button.
- To create a new job, click the **New** button. See "Export Detail" on the next page for more information.
- To delete a job, select it from the list and click the **Delete** button.
- To view the history for a job, select it from the list and click the **History** button.

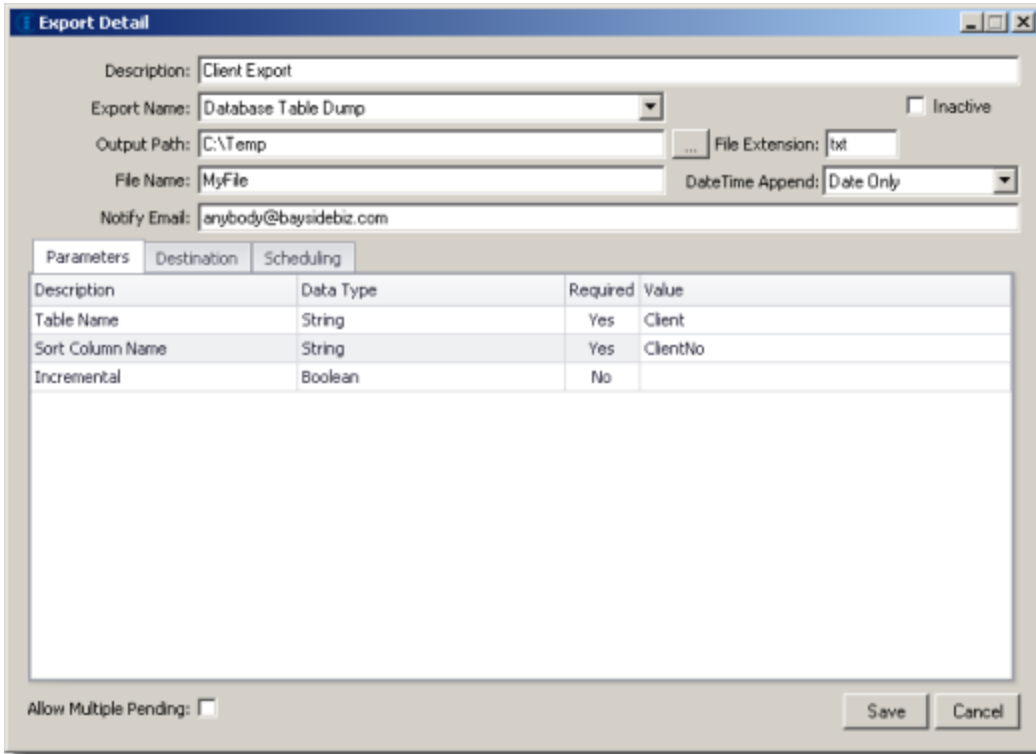


Field	Description
Grid	Displays each configured database export job as a line-item with the following data:

Field	Description
	<ul style="list-style-type: none"> • Description: the descriptive name entered on the Export Detail screen for this database export. • Schedule: the export repeat interval selected on the Scheduling tab of the Export Detail screen for this database export. • Destination: the Destination Type selected from the Destination tab of the Export Detail screen for this database export. • Next Run Date: the next scheduled run of the export for database exports that have a periodic (Periodic, Day of the Week, Week of the Month, or Day of the Month) repeat interval defined on the Scheduling tab of the Export Detail screen. • Is Active: the active status of the database export. Yes if active, No if inactive.
Include Inactive	Select this option to display inactive database export jobs in the grid.
Refresh	Click this button to update the information in the grid.
History	Click this button to open the <i>Export History</i> screen.
New	Click this button to open the <i>Export Detail</i> screen with data entry fields cleared to create a new database export.
View	Select a database export line-item and click this button to open the <i>Export Detail</i> screen to view and edit the database export details.
Delete	Select a database export line-item and click this button to delete the database export. A verification message is displayed to confirm the delete action.

Export Detail

The *Export Detail* screen is used to create or view/modify export jobs. This screen appears after you click the **New** or **View** button on the *Export List* screen.



Field	Description
Description	Enter a descriptive name by which to identify the export job for display on the Export List grid.
Export Name	Select the type of export you want to occur. There are several types available.
Output Path	Enter the fully qualified computer or network path in which to write the export file. Alternately, click the ellipsis button to display a browser screen, which can be used to browse to the desired folder.
File Extension	Enter the file extension to append to the File Name. Any three-character alphanumeric value can be entered, but the file type is always an ASCII text file.
File name	Enter the file name for the database export file.
DateTime Append	Select the option that determines whether the file creation date and/or time is appended to the file name for the database export file. <ul style="list-style-type: none"> • Not Appended • Date Only • Date/Time Only

Field	Description
Notify Email	<p>Enter the email address to which to forward informational and error messages from database export jobs.</p> <p>Note that email notifications are generated for successful exports (Subject = "FactorSoft Export completed: <Description>") and failed exports (Subject = "FactorSoft Export failed <Description>"). An error message is included explaining the nature of the failure.</p>
Allow Multiple Pending	<p>Select this option to allow the database export to create multiple pending jobs for the Engine. Effectively, this will allow a periodic job to create a request to continue to create a job request to the Engine even if there is already a job request pending. All pending requests will be processed sequentially base on the Engine's prioritization of scheduled jobs.</p> <p>If this option is not selected, a periodic job will not create a second pending request when there is already a job request pending.</p>
Save	Click this button to save changes to the database export definitions.
Cancel	Click this button to exit the screen without saving.

Parameters Tab

The Parameters tab is used to select the table to be exported, the sort column and the incremental upgrade option.

Field	Description
Table Name	In the Value column, enter the exact FactorSoft database table name to be exported.
Sort Column Name	In the Value column, enter the exact column name from the FactorSoft database table by which to sort the database extract file.
Incremental	Set to Yes to instruct the export to write only records that have changed since the last database export for this definition. If this is set to No or not set, the extract writes out the full content of the table each time it runs.

Destination Tab

Use the Destination tab to configure the output destination for the database export.

The screenshot shows a software window with three tabs: 'Parameters', 'Destination', and 'Scheduling'. The 'Scheduling' tab is active. It contains the following fields:

- Destination Type:** A dropdown menu currently showing 'FTP'.
- Purge Rule:** A dropdown menu currently showing 'None'.
- Address:** A text input field.
- User Name:** A text input field.
- Password:** A text input field.
- Ftp Sub Folder:** A text input field.

Field	Description
Destination Type	<p>Select the destination type for the database export. Note that all Destination Types write a file to the Output Path defined in the upper fields of the Export Detail screen in addition to the selected destination.</p> <ul style="list-style-type: none"> • Email: Send the export file to an email address or addresses. Enter the Address in the provided field. if more than one, separate be semi-colon. • Folder only: Select this option to write the file to the Output Path defined in the upper fields of the Export Detail screen only. • FTP: Send the export file to an FTP site. Fields are provided to enter the FTP Address, User Name, Password and Sub-folder name • Secure FTP: Send the export file to a secure FTP site. Fields are provided to enter the FTP Address, User Name, Password and Sub-folder name
Purge Rule	<p>Select the purge frequency for the extract file in the output folder.</p> <ul style="list-style-type: none"> • None: no automated purge is performed. • Fixed Days: files are purged when the are older than the number of days set in the Purge Days field. • Until replaced: files are purged each time a new export file is created for this definition.

Scheduling Tab

Use the Scheduling tab to set the interval at which to generated the export via the Engine.

Parameters Destination Scheduling

Repeat Interval

Run with Overnight

Run Once

Periodic

Day of the Week

Week of the Month

Day of the Month

Interval Type

Day of Week

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

Next Run Date

July 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Today: 7/30/2020

Time of Day: 12:00:00 AM

Field	Description
Run with Overnight	Select this option to run the database export when the task selected in Overnight Task is executed in the nightly Engine processes. Note: If selecting Run with Overnight, you must select from the drop-down the Overnight Task with which the Export should run.
Run Once	Select this option to submit the database export to the Engine to be processed as soon as possible.
Periodic	Enter an interval number in the first field and select the interval from the drop-down list. The available options are: <ul style="list-style-type: none"> • Minutes • Hours • Days • Weeks
Day of the week	Select this option to poll on specific days of the week. Select the day or days of the week on which to poll from the adjacent list . To poll at a specific time of day, enter the time in the Time of Day field.
Week of the Month	Select this option to poll on specific week of the month. Select the applicable week in the adjacent list, and select the applicable weekday from the Day list.

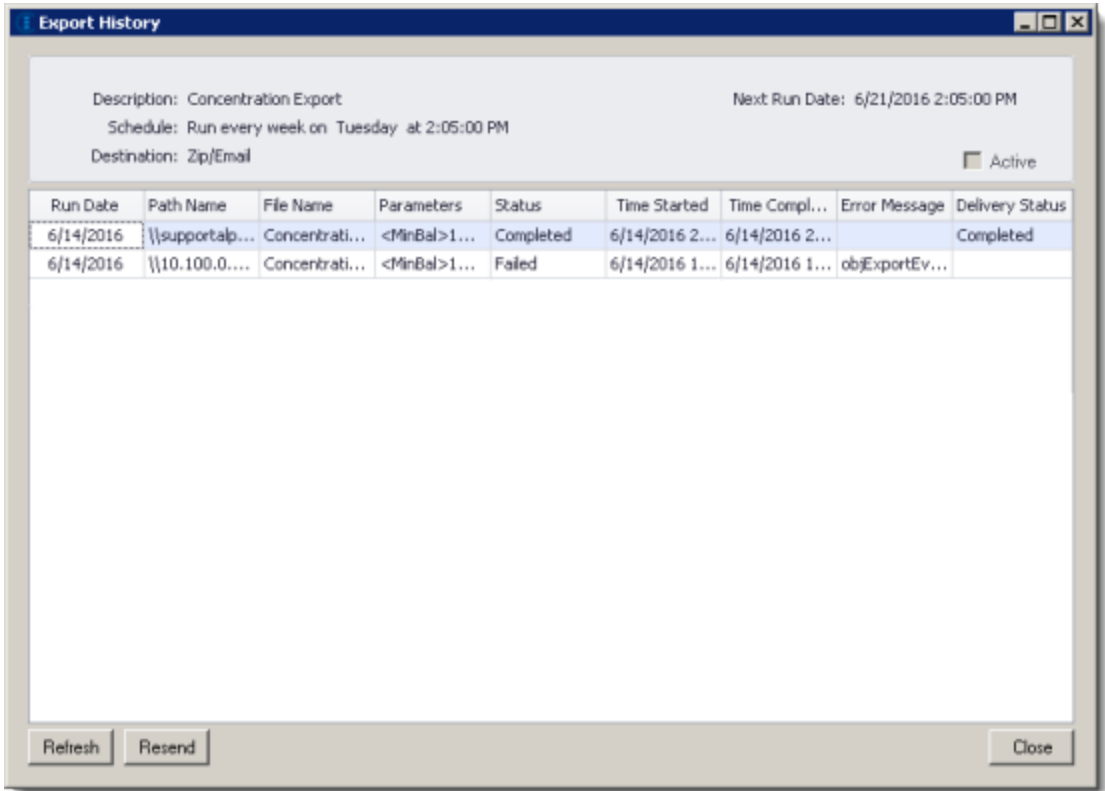
Field	Description
	To poll at a specific time of day, enter the time in the adjacent Time of Day field.
Day of the Month	Enter the day of the month on which to poll. For instance, entering "15" polls on the fifteenth day of every month. To poll at a specific time of day, enter the time in the adjacent Time of Day field.

Export History

The *Export History* screen is accessed from the Export List by selecting an export definition line-item and clicking the History button.

This screen displays each attempted run of the export selected from the Export List as a line-item, displaying the run date, output path, file name, parameters (table name and sort column), completion status, times started and completed, any error messages associated with the job, and the delivery status for the job. Delivery statuses displayed are Pending, Completed, or Failed, but the column may also contain no value if none is available for the job, for instance if the job failed and did not attempt to export a file.

To resend a completed export, select a job with a Completed execution status and click the Resend button to submit the file to be submitted as configured in the **Destination** tab of the *Export Detail* screen.



Export Names

The following subsection details some of the "Export Names" available from the FactorSoft Export List with the remainder of the Export List options further detailed within this guide.

BillTrust Export

Select the **BillTrust** option in the Export Name field of the Export List via **Admin Module > Export List** to create the BillTrust Invoice file. The BillTrust Export contains all open invoice records that exists at the time of file creation schedulable via the Engine. Each BillTrust Export will contain invoices with a "Purchased" and "Non-Factored" Status.

NOTE

In the event that there is a Debtor that currently does not have any open A/R at the time of export, FactorSoft will create an entry, Cash on Account Record, with the default setting for the following fields.

InvoiceNumber: COA + Parent Customer Number (Ex: COA123456)

OpenAmount: 0.00

InvoiceDate: Date of Export (MM/DD/YYYY)

File Specifications

The file is a pipe delimited .txt file named (val_mmddyyyy.txt) with the following specifications:

Field	Type	Length	Description
Invoice Number	Alpha	50	Invoice Number - May be Blank but will include pipe delimiters.
Invoice Amount	Money	10	Invoice Amount - Money fields cannot be blank. They either have to include valid data or be populated with zero (0) if they are not being used. Include a decimal and up to two decimal places. Negatives must come before the dollar amount.
Open Amount	Money	10	Invoice Balance - Cannot be blank. They either have to include valid data or be populated with zero (0) if they are not being used. Include a decimal and up to two decimal places. Negatives must come before the dollar amount.
Discount Amount	Money	10	Invoice Fees Earned - Cannot be blank. They either

Field	Type	Length	Description
			have to include valid data or be populated with zero (0) if they are not being used. Include a decimal and up to two decimal places. Negatives must come before the dollar amount.
Freight Amount	Money	10	Freight Amount - Cannot be blank. They either have to include valid data or be populated with zero (0) if they are not being used. Include a decimal and up to two decimal places. Negatives must come before the dollar amount.
Tax Amount	Money	10	Includes State and Federal Tax Amount - Cannot be blank. They either have to include valid data or be populated with zero (0) if they are not being used. Include a decimal and up to two decimal places. Negatives must come before the dollar amount.
Invoice Date	Date	10	MM/DD/YYYY
PO Number	Alpha	50	Purchase Order Number - May be Blank but will include pipe delimiters.
Statement Number	Alpha	50	Transaction Batch Number - May be Blank but will include pipe delimiters.
Statement Amount	Money	10	Transaction Input Amount - Cannot be blank. They either have to include valid data or be populated with zero (0) if they are not being used. Include a decimal and up to two decimal places. Negatives must come before the dollar amount.
Parent Customer Number	Alpha	50	Debtor Number - May be Blank but will include pipe delimiters.
Customer Number	Alpha	50	Debtor Number - May be Blank but will include pipe delimiters.
Customer Name	Alpha	50	Debtor Name - May be Blank but will include pipe delimiters.
Customer Address 1	Alpha	50	Debtor Address Line 1 - May be Blank but will include pipe delimiters.

Field	Type	Length	Description
Customer Address 2	Alpha	50	Debtor Address Line 2 - May be Blank but will include pipe delimiters.
Customer City	Alpha	50	Debtor City - May be Blank but will include pipe delimiters.
Customer State	Alpha	50	Debtor State - May be Blank but will include pipe delimiters.
Customer Zip	Alpha	50	Debtor Zip Code - May be Blank but will include pipe delimiters.
Custom Money 1	Money	10	Not Used , Hard-coded 0.00
Custom Money 2	Money	10	Not Used, Hard-coded 0.00
Custom Field 1	Alpha	50	Clients Name - May be Blank but will include pipe delimiters.
Custom Field 2	Alpha		Not Used
Custom Field 3	Alpha		Not Used
Custom Field 4	Alpha		Not Used
Custom Field 5	Alpha		Not Used
Custom Field 6	Alpha		Not Used
Custom Field 7	Alpha		Not Used
Custom Field 8	Alpha		Not Used
Custom Field 9	Alpha		Not Used
Custom Field 10	Alpha		Not Used
Custom Field 11	Alpha		Not Used
Custom Field 12	Alpha		Not Used
Custom Field 13	Alpha		Not Used
Custom Field 14	Alpha		Not Used
Custom Field 15	Alpha		Not Used

Field	Type	Length	Description
Custom Field 16	Alpha		Not Used
Custom Field 17	Alpha		Not Used
Custom Field 18	Alpha		Not Used
Custom Field 19	Alpha		Not Used
Custom Field 20	Alpha		Not Used

System Preferences

The BillTrust Export requires Debtor Codes. If not, the export will fail. It is recommended that the following System Preferences be set at **System Preferences > Fields/Screens Behavior > Code** folder:

Preference	Description
Debtor Code	Must be set to Required.

Additionally, set System Preferences at **System Preferences > Debtor Rule/Defaults > Rules** folder:

Preference	Description
Automatically Generate Debtor Code	Only if User leaves Debtor Code Blank or Always, user cannot enter a Debtor Code.
Start Automatic Debtor Code search at	Enter numeric value start Automatic Debtor Codes.
Number of new codes for auto generated Debtor Codes	Enter the number of New Codes generated by Automatic Debtor Codes.

Sample File

Below is a sample of the BillTrust Export.

```
-----
COA12345678|0.00|0.00|0.00|0.00|0.00|01/01/2000||0.00|12345678|12345678US|FAKE CUSTOMER, INC.|123 MAIN ST|
```



BillTrust Thin Invoice Export

Select the **BillTrust Thin Invoice** option in the Export Name field of the Export List via **Admin Module > Export List** to create the BillTrust Thin Invoice file. The **BillTrust Thin Invoice** export contains invoices, factored and non-factored, and debtor information that were purchased in the system on the current date at the time of file creation which is scheduled via the Engine. Each BillTrust Thin Invoice Export will contain invoices with a Purchased and Non-Factored Status.

Parameters		Destination	Scheduling
Description	Data Type	Requir...	Value
User Defined Property Field 2 (D...	String	No	
User Defined Property Field 2 Val...	String	No	
User Defined Property Field 5 (D...	String	No	
User Defined Property Field 5 Val...	String	No	

Parameters

Field	Description
User Defined Property Field 2	Debtor Group
User Defined Property Field 2 Value (UPD2)	Debtor Group Value
User Defined Property Field 5	Debtor Group
User Defined Property Field 5 Value (UDP5)	Debtor Group Value

File Specifications

The file is a pipe delimited .txt file with the following specifications:

Pos	Field	Type	Req	Description
1	Account Number	Alphanumeric	Yes	Debtor number
2	Invoice Number	Alphanumeric	Yes	Invoice Number - May be Blank but will include pipe delimiters.
3	Customer Name	Alphanumeric	Yes	Debtor Name
4	Billing Street Address	Alphanumeric	Yes	Debtor Address Line 1

Pos	Field	Type	Req	Description
5	Billing Suite	Alphanumeric	Yes	Debtor Address Line 2
6	Billing City	Alphanumeric	Yes	Debtor City
7	Billing State	Alphanumeric	Yes	Debtor State
8	Billing Zip	Alphanumeric	Yes	Debtor Zip Code
9	Billing Country	Alphanumeric	Yes	Debtor Country
10	Invoice Date	Date	Yes	Format: MM/DD/YYYY
11	Customer PO Number	Alphanumeric	No	Purchase Order Number
12	Due Date	Date	No	Format: MM/DD/YYYY Calculated based on Invoice Date and Days Due
13	Total Due	Numeric	Yes	Invoice Balance - Cannot be blank. They either have to include valid data or be populated with zero (0) if they are not being used. Include a decimal and up to two decimal places. Negatives must come before the dollar amount.
14	Ship To Account Number	Alphanumeric	No	Blank, separated by Pipe Delimiter
15	Shipping Street Address	Alphanumeric	No	Blank, separated by Pipe Delimiter
16	Shipping Suite	Alphanumeric	No	Blank, separated by Pipe Delimiter
17	Shipping City	Alphanumeric	No	Blank, separated by Pipe Delimiter
18	Shipping State	Alphanumeric	No	Blank, separated by Pipe Delimiter
19	Shipping Zip	Alphanumeric	No	Blank, separated by Pipe Delimiter
20	Shipping	Alphanumeric	No	Blank, separated by Pipe Delimiter

Pos	Field	Type	Req	Description
	Country			
21	Discount Amount	Numeric	No	Discount Amount Held; if data not present, show Blank
22	Discount Date		No	Format: MM/DD/YYYY
23	Branch Name	Alphanumeric	No	Client Office
24	PDF Name	Alphanumeric	Yes	AccountNumber_InvoiceNumber_InvoiceDate.pdf
25	UDPI (Account Executive)	Alphanumeric	No	Client Account Executive
26	UDP2 (Debtor Group)	Alphanumeric	No	Debtor Group Value from Export Parameters tab If the Debtor Group Value is set on the Debtor Information > Groups panel, the file will pass "Y"; if no value, pass "N".
27	UDP3 (Client Name)	Alphanumeric	No	Client Name
28	UDP4 (All Client Credit Limit)	Alphanumeric	No	Debtor Total Credit limit
29	UDP5 (Debtor Group)	Alphanumeric	No	Debtor Group Value from Export Parameters tab If the Debtor Group Value is set on the Debtor Information > Groups panel, the file will pass "Y"; if no value, pass "N".
30	Routing Indicator	Alphanumeric	No	"S"=Print, "V"=Email "X"=Fax "P"=Pull, if not provided default to Print
31	Destination Email Address	Alphanumeric	No	If Routing Indicator is "V", provide the email address, if blank default to Print Debtor Email Address; pass this value no matter if the Preference is not email

Pos	Field	Type	Req	Description
32	Destination Fax Number	Alphanumeric	No	If Routing Indicator is "X", provide the fax number, if blank default to Print Debtor Fax Number; pass this value no matter if the Preference is not Fax
33	Customer Type	Alphanumeric	No	Debtor Credit Rate Code value and if this value is NULL then this is blank, separated by Pipe Delimiter.
34	Portfolio	Alphanumeric	No	Blank; separated by Pipe Delimiter

System Preferences

The BillTrust Thin Invoice Export requires Debtor Codes. If not, the export will fail. It is recommended that the following System Preferences be set at **System Preferences > Fields/Screens Behavior > Code** folder:

Preference	Description
Debtor Code	Must be set to Required.

Additionally, set System Preferences at **System Preferences > Debtor Rule/Defaults > Rules** folder:

Preference	Description
Automatically Generate Debtor Code	Only if User leaves Debtor Code Blank or Always, user cannot enter a Debtor Code.
Start Automatic Debtor Code search at	Enter numeric value start Automatic Debtor Codes.
Number of new codes for auto generated Debtor Codes	Enter the number of New Codes generated by Automatic Debtor Codes.

Sample File

Below is a sample of the BillTrust Thin Invoice Export.



```

BillTrust_ThinInv.txt - Notepad
File Edit Format View Help
999-ah-1|1899|AAA Insurance|||||08/25/2022||10/09/2022|1899|||||||08/25/2022||999-ah-1_1899_08/25/2022.pdf|AHANKS|Y|CLIENT - FACTORING ONLY #3
(USD)|0|N|V|ahanks@jhacorp.com|2015972899|||

```

Chargeback Export for ClientWeb

ClientWeb can export a Chargeback file delivered to ClientWeb. A Chargeback export file contains information about all the chargebacks that have occurred for the client and parameters you define.

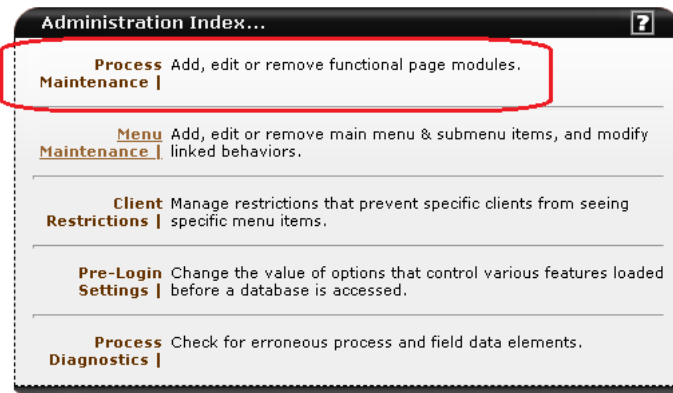
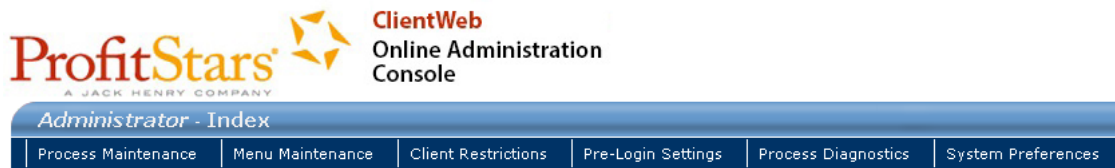
Because this is a brand new feature for ClientWeb, some setup will need to be done in ClientWeb before you can create the Chargeback export in FactorSoft. Please contact Technical Support to have the initial setup done and then use the steps below to complete the setup (if needed).

Setting Up ClientWeb for Chargeback Export

Before you can create the Chargeback export in FactorSoft you must add the process, and menu to ClientWeb. These steps are defined below.

To setup ClientWeb for the Chargeback export:

1. Open the "App Administration" module of ClientWeb using the following URL where <ClientWebAddress> is the name of your ClientWeb install: <ClientWebAddress>/App_Administration
2. Click the **Process Maintenance** link. The *Process Maintenance* screen appears.



3. Click the **Click here to add a new screen** link near the top right corner of the screen.



The screenshot shows the "Process Maintenance" screen. At the top right, there is a link: [Click here to add a new screen.](#) Below the link is a table with the following data:

Onscreen Title	Process	Linked Field	Description	Options	Sub-processes
Accounts Receivable	Accounts Receivable			Edit Delete	Modify Sub-processes...
Adjustments	Adjustments			Edit Delete	Modify Sub-processes...
Aging Detail	(Retired) Aging Detail	DebName		Edit Delete	Modify Sub-processes...
Aging Report	Aging Report			Edit Delete	Modify Sub-processes...
Aging Summary	Aging Summary			Edit Delete	Modify Sub-processes...
Carrier Items	Carrier Items			Edit Delete	Modify Sub-processes...
Carrier Payment Report	109			Edit Delete	Modify Sub-processes...

- a. In the **Onscreen Title** field, enter a title for the page. You can enter any title you choose, we recommend something like “Export Queue” for clarity.
- b. From the **Process** list, select **Export Queue**.
- c. In the **Linked Field** field, enter *ExportKey*.
- d. Click **Save**.

Process Maintenance					
Onscreen Title	Process	Linked Field	Description	Options	Sub-processes
Export Queue	Export Queue	ExportKey		Save Cancel	
Accounts Receivable	Accounts Receivable			Edit Delete	Modify Sub-pro
Adjustments	Adjustments			Edit Delete	Modify Sub-pro
Aging Detail	(Retired) Aging Detail	DebName		Edit Delete	Modify Sub-pro
Aging Report	Aging Report			Edit Delete	Modify Sub-pro
Aging Summary	Aging Summary			Edit Delete	Modify Sub-pro

4. Now, locate the process you just created in the list and click the **Modify Sub-processes** link. The *Sub-process Maintenance* screen appears.

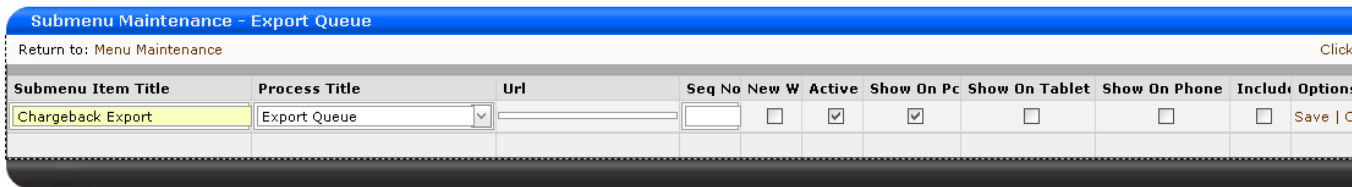
Dispute Report	112		Edit Delete	Modify Sub-processes...
Export Queue	Export Queue	ExportKey	Edit Delete	Modify Sub-processes...
Facility Disbursement	Facility Disbursement		Edit Delete	Modify Sub-processes...

- a. Click the **Click here to add a new Sub-process** link near the top right corner of the screen.
- b. In the **Onscreen Title** field, enter the name for the page that you want to appear on the screen.
- c. From the **Subprocess** list, select **Export Queue**.
- d. Click **Save**.

Sub-process Maintenance - Export Queue					
Onscreen Title	Subprocess	Seq No	Active	Options	Filters
Export Queue	Export Queue		<input type="checkbox"/>	Save Cancel	

5. Now, click the **Menu Maintenance** link in the menu bar along the top of the screen to add a link to access the queue (process) you just created.

6. You now have two options: You can add the link to access the export queue (process) you just created to an existing menu, or you can create a new menu for the link.
 - To create a new menu for the link, click the **Click here to add a new menu heading** link near the top right corner of the screen and then define the new menu as needed. After you save the menu, click the **Modify Submenu Items** link for the new menu you created and continue to the next step.
 - To add the link to an existing menu, click the **Modify Submenu Items** link for the menu where you want the export queue link to appear.
7. Click the **Click here to add a submenu item** link near the top right corner of the screen.
 - a. In the **Submenu Title** field, enter the on-screen title you want for the page. We recommend “Chargeback Export” or something similar for clarity.
 - b. From the **Subprocess** list, select **Export Queue**.
 - c. Use the **Seq No** field to define the position of the link within the menu. If the menu doesn’t contain any other links (for example, if you just created a new menu for this link), this field is not required. The lower the number you enter, the higher up in the menu list it will appear.
 - d. Select the **Active** and **Show on PC** checkboxes.
 - e. Click **Save**.



8. You may need to recycle the ClientWeb AppPool to update the ClientWeb for the setup you just completed. See the ClientWeb Admin guide for more information about how to do this.
9. Finally, log in to the ClientWeb application and verify that the menu options are updated to show the Export Queue link where you defined.

Creating the Chargeback File Export

After you complete the setup steps above, you can create the Chargeback file export in FactorSoft as you would any other export. The steps below are only a summary, for more information please see the FactorSoft Help file.

To create Chargeback File Export:

1. In the Admin module, on the **Administration** file, click **Export List**. The *Export List* screen appears.
2. Click the **New** button. The *Export Detail* screen appears.
3. In the **Description** field, enter a description for the export.
4. From the **Export Name** field, select **Chargeback Export**.
5. In the **Output Path** field, enter the network path that is accessible by ClientWeb for files generated from FactorSoft.
6. In the **File Extension** field, enter .txt for Chargeback Exports.
7. In the **File Name** field, enter a name for the export file.
8. In the **Notify Email** field, enter the email address of the person you want notified when the file is available in ClientWeb.
9. From the **Client** list, select the client for which you want to export chargeback information.
10. On the **Destination** tab, from the **Destination Type** list, select **Client Web**.

The screenshot shows the 'Export Detail' window with the following fields and settings:

- Description:** Chargeback File Export
- Export Name:** Chargeback Export (dropdown menu)
- Output Path:** (empty text field)
- File Extension:** (empty text field)
- File Name:** (empty text field)
- DateTime Append:** (dropdown menu)
- Notify Email:** (empty text field)
- Client:** (empty dropdown menu)
- Destination Tab:**
 - Destination Type:** Email (dropdown menu, with a list open showing: Email, Folder only, FTP, Secure FTP, Client Web. 'Client Web' is highlighted with a red box).
 - Purge Rule:** None (dropdown menu)
 - Address:** (empty text field)
 - Security File:** (empty text field)
 - Passphrase:** (empty text field)
- Allow Multiple Pending:**
- Buttons:** Save, Cancel

11. Continue defining the export as needed and click **Save** when done. The export file will become available in ClientWeb based on what you set for the Scheduling options.

Check Writer Export

Select the Check Writer Export option to create wire interface exports. All of the Wire Interfaces that can be scheduled through the Engine using the Check Writer Export begin with ECW.

Parameters			
Destination		Scheduling	
Description	Data Type	Requir...	Value
Module name for Check Writer	String	Yes	
Account office name	String	No	

Parameters

Field	Description
Module name for Check Writer	Enter the Export module name: NACHA ACH/CCD = ECW_ACCD NACHA ACH/PPD = ECW_APPD Bank of America Interface = ECW_BOFA Wells Fargo Federal Wire= ECW_WFC Jack Henry DDA Transfers = ECW_JHA1 Jack Henry ACH/CCD = ECW_JHA2 Jack Henry ACH/PPD = ECW_JHA3
Account office name	Enter the Office as indicated on the Control panel of the Client Information screen.

Client Information Export

Select the Client Info Export option in the Export Name field of the Export List to create a comma-separated file containing selected client demographic and financial data. This export was designed to provide an export of FactorSoft client data to a third-party vendor.

Parameters		Destination	Scheduling
Description	Data Type	Requi...	Value
Client Status (A,I,B)	String	Yes	
Client Type (D,A,B)	String	Yes	
Format: 0-Standard CSV Format	Integer	Yes	

Parameters

Field	Description
Client Status	<p>Enter the client status filter by which to limit the extract into the Value field on the Parameters tab of the Export Detail screen.</p> <ul style="list-style-type: none"> • A - Active • I - Inactive • B - Both
Client Type	<p>Enter the client type filter by which to limit the extract into the Value field on the Parameters tab of the Export Detail screen.</p> <ul style="list-style-type: none"> • D - Detail • A - ABL • B - Both
Format	<p>Enter 0 in the Value field on the Parameters tab of the Export Detail screen to generate the comma-separated file format, which is presently the only format available.</p>

CIT Invoice Export

Select the Invoice Exporter option in the Export Name field of the Export List to create the CIT Proprietary Summary Invoice file to be submitted to CIT Systems.

Parameters

Field	Description
Format	Enter 0 for the CIT export.
Use Specific Date	Enter Yes to generate the report for an as-of date specified in the Specific Date parameter. Enter No to generate the export as-of the current FactorSoft processing date.
Specific Date	Enter the specific as-of date from which to run the export. Format = MM/DD/CCYY. This field is only required if Use Specific Date is set to Yes .
Office	Enter the office to which to limit the export records. Offices are defined in the Office Table.
Pending(P), Processed(R), or Both	Select the invoice status filter by which to limit the export records: <ul style="list-style-type: none">• P = Include pending invoice only• R = Include processed invoices only• blank = Include all invoices

CIT Invoice Export Layout

The CIT Invoice Export contains four separate record types:

- Name and Address Record
- Invoice Detail Record
- Assignment Total Record
- Transmission Total Record

Assuming the file contains two clients, 1111 and 2222, the file would be structured thusly:

- Name and address Record for Client 1111/Debtor 123

Invoice Detail Record #1 for Client 1111/Debtor 123

Invoice Detail Record #1 for Client 1111/Debtor 123

- Name and address Record for Client 1111/Debtor 456

Invoice Detail Record #1 for Client 1111/Debtor 456

Invoice Detail Record #1 for Client 1111/Debtor 456

Assignment Total Record for Client 1111

- Name and address Record for Client 2222/Debtor 789

Invoice Detail Record #1 for Client 2222/Debtor 789

Invoice Detail Record #1 for Client 222/Debtor 789

- Name and address Record for Client 2222/Debtor 123

Invoice Detail Record #1 for Client 2222/Debtor 123

Assignment Total Record for Client 2222

- Transmission Total Record

Name and Address Record

Used to identify debtor information for debtors not already present in CIT. Must be a Name and Address record for each debtor referred in Invoice Data Records. There can be one to many Invoice Data Records for each Name and Address Record within client/debtor assignment. Record sequence is not critical. If the same debtor appears in a batch for more than one client/debtor assignment, the Name and Address Record must appear for each client/debtor assignment.

Name	Type	Pos	Len	Req	Description
Client Number	Numeric	1	4	Yes	
Filler		5	2		
Record Type	Alphanumeric	7	1	Yes	Always "A"
Client Debtor Number	Alphanumeric	8	15	Yes	Left-justified, leading zeros, right-filled with spaces
Debtor Name	Alphanumeric	23	30	Yes	

Name	Type	Pos	Len	Req	Description
Debtor Address 1	Alphanumeric	53	30		
Debtor Address 2	Alphanumeric	83	30		Optional
Debtor Address City	Alphanumeric	113	17		
Debtor Address State Code	Alpha	130	2		
Debtor Address ZIP/Postal Code	Alphanumeric	132	9		Left-justified, leading zeroes
Future Use	Alpha	141	17		
Debtor Address Country Code	Alphanumeric	158	3		Standard Country Code
Debtor Phone Number	Numeric	161	10		

Invoice Data Record

Name	Type	Pos	Len	Req	Description
Client Number	Numeric	1	4	Yes	
Trade Style	Alphanumeric	5	1		
Blank		6	1		
Record Type	Alphanumeric	7	1	Yes	D = invoice C = Credit Memo Credit memos should appear in a separate client/debtor assignment and must be net discounted amount of the invoice.

Name	Type	Pos	Len	Req	Description
Client Debtor Number	Alphanumeric	8	15	Yes	Left-justified, leading zeros, right-filled with spaces
Invoice Number	Alphanumeric	23	8	Yes	Left-justified
Filler		31	7		
Invoice Amount	Numeric	38	10	Yes	Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 0000012345
Invoice Date	Date	48	6	Yes	MMDDYY
Invoice As Of Date	Date	54	6		MMDDYY
Client Terms Code	Alphanumeric	60	3	Yes	Left-justified, 000 for credit memo Note that either the Terms Code or Terms Description must be provided. If both are provided, the Terms Code is used.
Merchandise Code	Alphanumeric	63	1		<p>Must be set to "1" if Merchandise Amount is provided.</p> <p>Purpose of Merchandise fields is to determine the amount of discount if there is a discount terms code. For example, assuming a terms code having a discount, the gross invoice amount is \$1000 with \$50 freight. Normally, you would not want the freight discounted. Therefore, the discountable merchandise amount would be \$950 with the following fields in the Invoice Data Record affected:</p> <ul style="list-style-type: none"> • Invoice Amount = 0000100000 • Merchandise Code = 1 • Merchandise Amount = 0000095000

Name	Type	Pos	Len	Req	Description
Merchandise Amount	Numeric	64	10		Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 0000012345
Debtor Store Number	Alphanumeric	74	5		Mandatory for chain store, otherwise optional
Debtor Purchase Order Number	Alphanumeric	79	22	Y	Mandatory
Debtor Department Number	Alphanumeric	101	6		Optional
Risk Code	Alphanumeric	107	1		Optional 1 = Client Risk
Filler		108	4		
Discount Type Code	Alphanumeric	112	1		Optional The Discount Type and Discount Amount fields are rarely used as discounts are typically handled via the terms code. If not, set Discount Type Code to "1" and use the Discount Amount. Invoice Amount must be gross amount before discount.
Discount Amount	Numeric	113	10		Optional Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 0000012345
Credit Memo Invoice Number	Alphanumeric	123	8		Original invoice number to which credit memo refers. Must be present for Record Type "C". Enter "CREDIT" if unknown.
Future Use	Alphanumeric	131	38		
Terms Description	Alphanumeric	169	15		Note that either the Terms Code or Terms Description must be provided. If both are

Name	Type	Pos	Len	Req	Description
					provided, the Terms Code is used.

Client/Debtor Assignment Total Record

Must be present at the after each client/debtor assignment in the file.

Name	Type	Pos	Len	Req	Description
Client Number	Numeric	1	4	Yes	
Filler		5	2	Yes	Always "99"
Record Type		7	1	Yes	Always "S"
Client Debtor Number		8	15	Yes	All 9's
Number of N/A Records	Numeric	23	6	Yes	Number of name and address records in the client/debtor assignment
Number of Invoice Records	Numeric	29	6	Yes	Number of Invoice Data Records in the client/debtor assignment
Number of Credit Memo Records	Numeric	35	6	Yes	Number of credit memo records in the client/debtor assignment. If no credit memos, must be zero-filled
Total Invoice Amount	Numeric	41	12	Yes	Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 000000012345
Total Credit Memo Amount	Numeric	53	12	Yes	Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 000000012345 If no credit memos, must be zero-filled
Assignment Number	Alphanumeric	65	4	Yes	Must be unique for each client/debtor assignment, and should not be repeated for at least 30 days
Assignment Date	Date	69	6	Yes	MMDDYY. Date appearing on assignment form.

Name	Type	Pos	Len	Req	Description
Factoring Fee Code	Numeric	75	1		Always zero unless notified otherwise. Allows different factoring fees for client/debtor assignments. Up to five rates can be specified (base plus four) by entering 0, 1, 2, 3, or 4. CIT will inform the lender if these fields are necessary.
Future Use		76	95		

Transmission Total Record

Must be the last record of the batch.

Name	Type	Pos	Len	Req	Description
Client Number	Numeric	1	4	Yes	Always "9999"
Trade Style		5	2	Yes	Always "99"
Record Type	Alphanumeric	7	1	Yes	Always "T"
Client Debtor Number		8	15	Yes	All 9's
Number of N/A Records	Numeric	23	6	Yes	Number of name and address records in the batch
Number of Invoice Records	Numeric	29	6	Yes	Number of Invoice Data Records in the batch
Number of Credit Memo Records	Numeric	35	6	Yes	Number of credit memo records in the batch. If no credit memos, must be zero-filled
Total Invoice Amount	Numeric	41	12	Yes	Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 000000012345
Total Credit Memo Amount	Numeric	53	12	Yes	Right-justified, leading zeros, decimal implied.

Name	Type	Pos	Len	Req	Description
					Ex. \$123.45 = 000000012345 If no credit memos, must be zero-filled
Transmission Date	Date	65	6	Yes	MMDDYY
Future Use	Alphanumeric	71	100		

Concentration Export

Select the Concentration Export option to create a comma-separated file (File Extension must be set to CSV) containing account debtor credit rating, financial, and aging data to help determine possible levels of liquidity within the portfolio based on outstanding balances. The export is sorted alphabetically by debtor within client.

Parameters		Destination	Scheduling
Description	Data Type	Requi...	Value
Minimum Balance	Integer	No	
Minimum % Client	Integer	No	
Minimum % Limit	Integer	No	

Parameters

Field	Description
Minimum Balance	Enter the minimum dollar amount of outstanding balance to include in the export. Only debtors with balances equal to or greater than this amount will be included in the export.
Minimum % Client	Enter a minimum percentage of client share to include a debtor in the export.
Minimum % Limit	Enter a minimum percentage of credit limit to include a debtor in the export.

File Specifications

Column	Description
Debtor Name	Displays the Debtor Name
Client	Displays the Client Name
Rating	Displays debtor's credit rating from Debtor Information > Credit Information panel
D&B	Displays the customer/debtor's Dunn and Bradstreet rating, if available
Experian	Displays the customer/debtor's Experian rating, if available
Researched	Displays the date on which the debtor's credit rating was researched
Limit	Displays the house line or the credit override amount for the Debtor Note: Column will display 0.00, if expired credit limit.
Shared Debtor Client Balance	Client Debtor Balance as seen on Debtor Information > Balance panel
Gross A/R	Displays the debtor's overall outstanding balance
% Client	Percentage of the Client Total Balance
1-30	Amount of A/R 1- 30 days
31-60	Amount of A/R 31- 60 days
61-90	Amount of A/R 61- 90 days
91-120	Amount of A/R 91- 120 days
121-150	Amount of A/R 121-150 days
Age by Months	Amount of A/R by months, displayed in Month/Year format

Data Warehouse Export

Select the **Data Warehouse Export** option in the Export Name field of the Export List via **Admin Module > Export List** to create the Data Warehouse Export file. The Data Warehouse Export contains detail client information records at the time of file and can be scheduled via the Engine and added to the Date Roll process.

NOTE

Data Warehouse must be checked in the control file settings for the Export to be available in the Export List.

File Specifications

The file is a pipe delimited .txt file named (ExportDetail.FileName plus ExportDetail.DateTimeAppend) with the following specifications:

	Column Name	Character Type	Character Length	Data field in the UI	Field Description/Value
1	Process Date	Date	8	'As of Date' of the export file	Control.InputDate Export file date Format: YYYYMMDD
2	Company	Nvarchar	40	Client Information, Control, Office	Clients.Office Lookup SQL Table: Office
3	Client	Nvarchar	24	Client Information, Client Code	Clients.ClientNo
4	Name	Nvarchar	200	Client Information, Client Name	Clients.Name
5	Grade (FP Client Grade)	Varchar	40	Client Information, Misc. Data, Risk Rating	Misc Element = MiscDataDefine.DataElementName Misc Value = MiscDataElement.FldValue
6	Accrual status	DateTime	8	Client Information, Termination, Non-accrual date	Clients.FeeStopDate
7	Daily revenue	Money		Client Summary, Earnings	Earnings If Blank or Null, Then show 0.00.

	Column Name	Character Type	Character Length	Data field in the UI	Field Description/Value
8	Daily non-interest revenue (misc. expenses)	Money		There is no UI for this information.	The GL account must be flagged as expense = Sum of all CheckDtl that is not void or pending for all accounts that are marked as Expenses for the given ClientKey. If Blank or Null, Then show 0.00.
9	Client Status	Char	1	Client Information, Inactive (if the checkbox is marked then display 'I', otherwise display 'A')	Clients.Inactive If False (0), Then show "A" If True (1), Then show "I"
10	Facility Avg NFE balance for current month to date	Money		There is no UI for this information.	Calculated information = On ABL, a similar data element as NFE at the Facility Level is the LoanBalance which is the Sum of all loan transactions for that Facility. Factoring - Should be TNFE (Total Net Funds Employed) ABL - Should be LoanBalance If Blank or Null, Then show 0.00.
11	SSN/Tax Id	Nvarchar	30	Client Information, Identity, Fed tax #	Clients.FedTxNo
12	NAICS	Varchar	6	Client Information, Analysis, NAICS code	Clients.Naics
13	Address	Nvarchar	104	Client Information,	Clients.Addr1

	Column Name	Character Type	Character Length	Data field in the UI	Field Description/Value
				Address, Address 1	
14	Address	Nvarchar	104	Client Information, Address, Address 2	Clients.Addr2
15	City	Nvarchar	100	Client Information, Address, City	Clients.City
16	State	Nvarchar	60	Client Information, Address, STATE	Clients.State
17	Zip	Nvarchar	20	Client Information, Address, ZIP	Clients.ZipCode
18	Country	Nvarchar	2	Client Information, Address, Country Code	Clients.Country show CountryList.IsoAlpha2Code Lookup SQL Table: CountryList
19	CIS – Cust-Number	Nvarchar	30	Client Information, Identity, CIS Number	Clients.FedCoNo To turn on, set System Preferences > Terminology > Federal Company Number Title
20	Client Gross Collateral	Money		Client List, Gross Collateral	Clients.GrossCollateral If Blank or Null, Then show 0.00.
21	Client Eligible Collateral	Money		Client List, Eligible Collateral	Clients.EligCollateral If Blank or Null, Then show 0.00.
22	Client Net	Money		Client List,	Clients.NetCollateral

	Column Name	Character Type	Character Length	Data field in the UI	Field Description/Value
	Collateral			Net Collateral	If Blank or Null, Then show 0.00.
23	Process Fee	Money		Client Terms, Purchase Fee	The dollar amount of Purchase Fee earned (MTD) - Any and all purchased fees earned at the time of purchase, Transaction Type=1 from first of the month to the date of the file is consider MTD. If Blank or Null, Then show "".
24	Collection Fees	Money		Client Terms, Collection Fees	The dollar amount of the Collection fees earned (MTD) = Any and all fees Earned at the time of Cash Posting, Transaction Type= 5 against an Invoice from first of month to the date of the file is consider MTD If Blank or Null, Then show "".
25	Variable Fees	Money		Client Terms, Additional Fees	The dollar amount of Additional Fees (MTD) = Any and all additional fee type that have been posted on a Statement, Transaction Type = 8 and Status = 0 where the postdate is current MTD. If Statement has not been posted, Then show 0.00.
26	Product	Varchar	9	If Non-Detail is not checked, display "Factoring" and if it is checked then display "ABL"	Clients.NonDetailOnly If False (0), Then show "Factoring" If True (1), Then show "ABL"
27	Facility Number	Varchar	30	Facility Information, Loan Number	Facility.LoanNumber

	Column Name	Character Type	Character Length	Data field in the UI	Field Description/Value
28	Client Credit limit	Money		Client Information, Credit/no buy, Total client credit limit	Clients.TotalCreditLimit Character length includes decimal
29	Initial funding	DateTime	8	Client Information, 1st fund	This is the first Checkhdr.CheckDate where Checktype <> 5 (Void). If Null, Then show "". Format: YYYYMMDD
30	Maturity Date	DateTime	8	Facility Information, Limits, Maturity Date	Facility.MaturityDate If Maturity Date is Blank or Null, Then show ""
31	Interest rate (sum of basis and plus)	Money		If the Client is NOT flagged as 'Non-Detailed' then capture the Client Terms, Additional Fees, Positive statement fee rate (%) plus the rate for the Positive statement basis plus. If the Client is flagged as 'Non-Detailed' then capture Statement	Client level if it is a Factoring portfolio. Facility level if it is an ABL portfolio. FACTORING: If the Programs.ProgType = 0 (invoice based) then it will be ProgAddFee.FeeRate plus BasisDtl.Rate where BasisDtl.BasisKey= Programs.BasisKey If the Programs.ProgType=2 (PortfolioType) then it will be Programs.DailyRate plus BasisDtl.Rate where BasisDtl.BasisKey= Programs.FeeBasisKey ABL: If FacStmntTerms.FeeType=0 (Interest) then it will be InterestFee.BasisRate plus BasisDtl.Rate where Programs.FeeBasisKey=BasisDtl.BasisKey

	Column Name	Character Type	Character Length	Data field in the UI	Field Description/Value
				Terms, Interest, Rate plus Basis	Example: If Export date is 11/6/20 Prime =4.75 Plus- s=2.0, Then show 6.75 in this field. If Blank or Null, Then show "".
32	Interest rate index (Basis Rate)	Money		If the Client is NOT flagged as 'Non-Detail' then capture the Client Terms, Additional fees, Basis plus. If the Client is flagged as 'Non-Detailed' then capture Statement Terms, Interest, Basis	Client level if it is a Factoring portfolio. Facility level if it is an ABL portfolio FACTORING: If the Programs.BasisKey <> 0 or Programs.FeeBasiskey <> 0 be BasisDtl.Rate ABL: If InterestFee <> 0 then it will be BasisDtl.Rate where Interest-fee.BasisKey=BasisDtl.BasisKey. Example: If Export date is 11/6/20 Prime =4.75, Then show 4.75 in this field. If Blank or Null, Then show "".
33	Interest rate spread	Money		If the Client is NOT flagged as 'Non-Detail' then capture the Client Terms, Additional fees, Fee rate (%) If the Client is flagged as 'Non-Detailed'	Client level if it is a Factoring portfolio. Facility level if it is an ABL portfolio FACTORING: If the Programs.ProgType = 0 (invoice based) then it will be ProgAddlFee.FeeRate If the Programs.ProgType=2 (PortfolioType) then it will be Programs.DailyRate ABL: If FacStmntTerms.FeeType=0 (Interest) then it will be InterestFee.BasisRate

	Column Name	Character Type	Character Length	Data field in the UI	Field Description/Value
				then capture Statement Terms, Rate	Example: If Export date is 11/6/20 Plus-s=2.0, Then show 2.00 in this field. If Blank or Null, Then show "".
34	Variable rate	Varchar		If the Basis Plus and Fee rate fields are populated in the Client Terms, Additional fees or Statement Terms, Interest screen then display 'Y' otherwise display 'N'	Client level if it is a Factoring portfolio. Facility level if it is an ABL portfolio FACTORING: If the Programs.ProgType = 0 (invoice based) and if ProgAddlFee.FeeRate <> 0 then it will display 'Y' otherwise it will display 'N' If the Programs.ProgType=2 (PortfolioType) and if Programs.DailyRate <> it will display 'Y' otherwise it will display 'N' ABL: If FacStmntTerms.FeeType=0 (Interest) and if InterestFee.BasisRate <> 0 it will display 'Y' otherwise it will display 'N'
35	Facility Collateral Type	Varchar	50	Facility Information, Name	Facility.Descr Screenshot Example: Field would show Facility 43
36	Facility Gross Collateral	Money		Client List, Facility, Gross Collateral	Facility.GrossCollateral - Formula changes based on collateral - information is at collateral level. If Blank or Null, Then show 0.00.
37	Facility Eligible Collateral	Money		Client List, Facility, Eligible Collateral	Facility.EligCollateral - same as above If Blank or Null, Then show 0.00.
38	Facility Net Collateral	Money		Client List, Facility, Net Collateral	Facility.NetCollateral - same as above If Blank or Null, Then show 0.00.

	Column Name	Character Type	Character Length	Data field in the UI	Field Description/Value
39	Statement Fees	Money		Facility Information, Statement Terms	The dollar amount of the Statement Fees (MTD) – ABL fees are associated with specific GL Account – sum of all fees posted to the account/accounts for the month from First month thru the Export file date is consider MTD. If no fees, then show 0.00. Note – Statement posted weekly. Sum all statements for the month at the time export.
40	Exit Date	DateTime	8	Client Information, Termination, Term Date	Clients.TermDate
41	Date Opened	DateTime	8	Client Information, Signed Date	Clients.SignedDate
42	Facility Credit Limit	Money		Facility Information, Credit Limit	Facility.LoanLimit

System Preferences

If scheduling the export to Run with Overnight and you want the export to run prior to the date change, the following System Preferences must be set at **System Preferences > Identification/System Constants > CLMS|Engine > Overnight Tasks** folder:

Preference	Description
Data warehouse export template to run during overnight Data warehouse step prior to the actual date change	Select export format to run with overnight process. Note: The export must be setup in the Export List before this format drop-down will populate.



Field	Description
Table Name	In the Value column, enter the name of the Table.
Sort Column Name	In the Value column, enter the name of the Column.
Incremental	Set to No .

Debtor Credit Export

Select the Custom Debtor Credit Export 1 option to create a comma-separated file containing the following debtor credit data and information:

- Debtor Code and Name
- Motor Carrier Number
- DOT Number
- Debtor Credit Score Table Information: Code, All, 90, 60, Calculated Values and Invoices Included fields
- Credit Rating
- Researched Date
- Debtor Demographic Data: Address, Phone, FAX, Email
- Last Payment Posted Date

Parameters			
Destination		Scheduling	
Description	Data Type	Requi...	Value
From Date	String	No	
Thru Date	String	No	



Parameters

Field	Description
From Date	Enter the beginning date of the date range for records to be selected for the export.
Thru Date	Enter the ending date of the date range for records to be selected for the report.

Dun and Bradstreet Export

Select the Dun and Bradstreet Export option in the Export Name field of the Export List to create a flat file containing contact and credit information for selected clients within a specified date range, and this file can be submitted to Dun & Bradstreet for analysis. Each format creates a tab-delimited file with a ".TXT" file extension that contains one record for each FactorSoft Customer/Debtor record.

Click the link for the [D&B](#) and [Experience Reporting](#) file descriptions.

Parameters

Field	Description
Client Status	Enter the client status filter by which to limit the extract into the Value field on the Parameters tab of the Export Detail screen. <ul style="list-style-type: none">• A - Active• I - Inactive• B - Both
As of Date	Enter the code for the date to use for the records to include in the data extract from the list: <ul style="list-style-type: none">• 0 - Current Date: select records through the current FactorSoft processing date.• 1 - Previous month-end date: select records through the previous month-end date.• 2 - Specific date: If this option is selected, enter the date through which to select data in the adjacent field.
Specific Date	If the As of Date parameter is set to 2, enter the date through which to select data in this field.

Field	Description
Select	<p>For the Experience Reporting format, select the debtor option to determine the debtors to be included in the data extract:</p> <ul style="list-style-type: none"> • 0 - Every debtor • 1 - Every debtor that had a purchase against it in the last X months: enter the number of months in Months. • 2 - Every debtor with a balance: For the DNBI Reporting format the Select field is set to Every debtor by default and is not available for update.
Format	<p>Select the format option to determine the data extract to be created:</p> <ul style="list-style-type: none"> • 0 - DNBI Reporting (Standard) • 1 - DNBI Reporting (without Aging) • 2 - Experience Reporting
Months	<p>For the Experience Reporting format, with the Select method of Every debtor that has had a purchase against it in the last X months, enter the number of months in the past to look for purchases to include a debtor in the extract.</p>
Only Interface If Dun's # Not Blank	<p>Select this option to exclude any debtors that do not have the D&B D-U-N-S field completed on the Credit Information panel of the Customer/Debtor Information screen .</p>

DNBI Data Extract File Elements

The DNBI extract file is a tab-delimited file with a ".TXT" file extension. It contains one record for each FactorSoft Customer/Debtor record. The file contains the following data elements:

Description	Column Header Name
Internal FactorSoft Debtor Key	DEBTORKEY
Customer/Debtor Code	DEBTORCODE
Customer/Debtor Name	DEBTORNAME
Customer/Debtor Address Line 1	ADDRESS1
Customer/Debtor Address Line 2	ADDRESS2
Customer/Debtor Address City	CITY

Description	Column Header Name
Customer/Debtor Address State	STATE
Customer/Debtor Address ZIP Code	ZIP
Customer/Debtor Phone Number	PHONE
Customer/Debtor FAX Phone Number	FAX
Current Total A/R Balance	TOTALCURRENTAR
A/R Balance 1-30 days old	AR 1-30
A/R Balance 31-60 days old	AR 31-60
A/R Balance 61-90 days old	AR 61-90
A/R Balance 91-120 days old	AR 91-120
A/R Balance over 120 days old	AR 120+
Lender Name (set in System Preferences)	DBIDENTIFIER

Experience Reporting Data Extract File Elements

The Experience Reporting extract file is a tab-delimited file with a ".TXT" file extension. It contains one record for each FactorSoft Client/Debtor relationship. The file contains the following data elements:

Description	Column Header Name
Customer/Debtor Number	DEBTORNO
Customer/Debtor Name	DEBTORNAME
Customer/Debtor Street Address	STREET
Customer/Debtor Address City	CITY
Customer/Debtor Address State	STATE
Customer/Debtor Address ZIP	ZIP
Customer/Debtor Phone Number	PHONE
High Credit Amount	HIGHCREDIT

Description	Column Header Name
Current AR Total	TOTALAR
Current AR Past Due	PASTDUE
Average Days to Pay	WEIGHTEDDAYS
Date of Last Sale	LASTSALEDATE
D&B D-U-N-S Number	DUNSNUMBER

Invoice Status Export

Select the Invoice Status Export option to create a comma-separated file containing the following invoice status data and information:

- Invoice #
- Invoice Status
- Debtor Key
- Client Key
- Invoice Amount
- Purchase Batch #
- Balance
- Purchase Date
- In Dispute (Yes/No)

Parameters		Destination	Scheduling
Description	Data Type	Requir...	Value
Export As of Date: 0-Today, 1-Y...	Integer	Yes	
Use Specific Date	Boolean	No	
From Date	String	No	
Thru Date	String	No	
Exclude Invoices with Zero Balance	Boolean	No	
Buy Status(NP,H,D,P,NF,L)	String	No	

Allow Multiple Pending:

Save Cancel

Parameters

Field	Description
Export As of Date	Required. Enter 0 for Today, 1 for Yesterday
Use Specific Date	Optional. Enter T/F to use a specific date and fill in the below 2 parameters for From and Thru Date
From Date	Enter the beginning date of the date range for records to be selected for the export.
Thru Date	Enter the ending date of the date range for records to be selected for the export.
Exclude Invoices with Zero Balance	Optional. Enter T/F to exclude zero balance invoices from the export.
Buy Status (NP, H, D, P, NF, L)	Optional. Select a Buy Status by which to filter results for the export: NP = Pending/Not Purchased H= Held D = Denied P = Purchased NF = Non-Factored L = Loan

Sample Export

	A	B	C	D	E	F	G	H	I
1	123	Purchased	321	101	1000.05	1001	1000.05	9/3/2021	Yes
2	124	Held	321	101	1000.1	1001	1000.1	9/3/2021	No
3	125	Not-Purchased	321	101	1200.01	1002	1200.01	9/4/2021	No
4	126	Non-Factored	321	101	1500.01	1003	1500.01	9/5/2021	No
5									

Payment XML Export

Payment XML Export

The Payment XML Export is a process in FactorSoft where the Engine exports XML files containing Payment Record Details and Check/Support Images associated with the payment. This process can be scheduled in **Administration Module > Export List**. Payment XML Export (**Payment XML Export**) must be turned on in the Control File.

SEPARATELY LICENSED ADD-ON MODULE

This feature is only available as a separately licensed upgrade.

For more information, contact your Jack Henry™ representative at lendinginfo@jackhenry.com

Security Roles

To configure the Payment XML Export, set the following Security Roles in **Security > Manage Roles > (Select Role) > Administrative Functions > System Control** folder:

Preference	Description
Export List (Update)	Must be set to YES to enable User to Update Export List.
Export List (View)	Must be set to YES to enable User to View Export List.

File Specifications

The Payment XML Export file format is:

Field	Element	Column	Type	Length	Description
Header Elements					
Total Check Amount			Numeric		Indicates total sum of payments in XML file

Field	Element	Cloumn	Type	Length	Description
Total Check Count			Numeric		Indicates total number if Checks in XML file
Parameters					
ExcludeNF					True/False, If Non Factored Payments are excluded from XML File
ExcludeImages					True/False, If Images are excluded from XML File
Export As Of					Displays Export As Of from Export Detail parameter.
FileDateTime					Date and Time XML Export was created. YYYY-MM-DDTHH:MM:SS.mmm
Check Records					
Number of Checks					Displays number of checks in XML file
Check Amt	PmntChecks	Amt	Money	8	Displays Check Amount.
Check Date	PmntChecks	CheckDate	DateTime	8	YYYYMMDD
Check #	PmntChecks	CheckNo	NVARCHAR	100	Displays Check Number associated with Payment
Client/Debtor Records					
Number of Customer					Number of Customers associated with the Check

Field	Element	Cloumn	Type	Length	Description
Customer Name	Debtors	Name	NVARCHAR	200	Displays Cus- tomer/Debtor Name
ClientRef#	Aging	ClientRefNo	NVARCHAR	80	Displays Client Code
Payment Records					
Number of Pay- ments					Number of Payments associated with Check
Invoice #	Invoices	InvoiceNo	NVARCHAR	60	Displays Invoice Num- ber associated with Payment
Applied	Payments	Type	Smallint	4	Displays Payment Type Y = Applied NF = Nonfactored or Held Funds
Amount	Payments	Amt	Money	8	Positive Payment Amount
Post Date	Payments	PostDate	DateTime	8	YYYYMMDD
Image Records					
File Type	Images	ImageType	Smallint	2	Displays Image File Type "Check" or "Support"
File Name	Images	FileName	NVARCHAR	200	Displays Unique File Name of Image

NOTE

A Check can be associated with more than one Client, can pay on more than one Invoice, and may have one or many images associated with it.

Sample File

A zip file is created with the XML file [PaymentExport_YYYYMMDD.xml] and any associated images. Below is a sample of a Payment XML Export file.

```
<?xml version="1.0" encoding="UTF-8"?>
- <File TotalCheckAmt="3908.5800" TotalCheckCount="2" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <FileInfoGroup ExcludeNF="False" ExcludeImages="False" ExportAsOf="Today" FileDateTime="20200728160444"/>
  - <Checks NumberOfChecks="2">
    - <Check CheckAmt="954.23" CheckDate="20200701" CheckNo="CK72820-1">
      - <Customers NumberOfCustomers="1">
        - <Customer CustomerName="Walmart IL" ClientRefNo="ID0001">
          - <Payments NumberOfPayments="1">
            <Payment InvoiceNo="42720-1" Applied="Y" Amount="954.23" PostDate="20200710"/>
          </Payments>
        </Customer>
      </Customers>
      - <Images>
        <Image FileType="Check" FileName="20200728_153049507_0ehgbu5itq.tif"/>
      </Images>
    </Check>
    - <Check CheckAmt="2954.35" CheckDate="20200705" CheckNo="CK72820-2">
      - <Customers NumberOfCustomers="1">
        - <Customer CustomerName="Walmart IL" ClientRefNo="ID0001">
          - <Payments NumberOfPayments="4">
            <Payment InvoiceNo="42720-6" Applied="Y" Amount="954.26" PostDate="20200710"/>
            <Payment InvoiceNo="2320-3" Applied="Y" Amount="1000.00" PostDate="20200710"/>
            <Payment InvoiceNo="62119-ID1" Applied="Y" Amount="0.09" PostDate="20200710"/>
            <Payment InvoiceNo="6820-1" Applied="Y" Amount="1000.00" PostDate="20200710"/>
          </Payments>
        </Customer>
      </Customers>
    </Check>
  </Checks>
</File>
```

G/L Exports

G/L Exports are performed either using the Export List from the Administration module or the G/L Export Facility from the Export Module. G/L exports cannot be run from both – specific exports are either available from one of these functions or the other.

Export List for G/L Exports

The FactorSoft Export List is opened from the File menu of the Administration module. The Export List is used to schedule a variety of export types through the Engine. For this reason, a full description of this feature is not provided here. This description is limited to selecting the G/L Export Interface and the specific G/L export format from the Export List.

Selecting G/L Exports in the Export List

To select a G/L Export job to schedule from the Export List:

1. Select Export List from the **Administration** menu of the Administration module. The *Export List* screen opens.
2. Click **New**. The *Export Detail* screen opens.
3. Complete the detail fields as required, selecting the **G/L Export Interface** export from the **Export Name** field.

Description	Data Type	Requir...	Value
Format: 0-SL/GLXTRN, 1-20/20, ...	Integer	Yes	
Exclude Void Transactions	Boolean	Yes	
Use Specific Date	Boolean	No	
Specific Date	String	No	
History Number	Integer	No	
Client Group Code (only for 10-O...	String	No	
Group Value (only for 10-Orade/...	String	No	
G/L Account Group (only for 10-...	String	No	
Intercompany (only for 10-Orad...	String	No	
Future (only for 10-Orade/Fronti...	String	No	

Field	Description
Format	<p>Enter the number corresponding to the accounting package for which to create the G/L export file.</p> <p>0 - Jack Henry Silverlake GLXTRN</p> <p>1 - Jack Henry 20/20</p> <p>2 - Jack Henry Silverlake WRKT</p> <p>3 - Jack Henry Symitar</p> <p>4 - FCSDE Export</p> <p>5 - PeopleSoft JGen</p>

Field	Description
	<p>6 - Great Plains Detail II</p> <p>7 - FIS Horizon Export</p> <p>8 - PeopleSoft G/L</p> <p>9 - Sage/Intak</p> <p>10 - Oracle/Frontier</p> <p>The Export List creates a file in the format that you select. Each of the formats are specific to the selected accounting software package, and although the basic information is the same, the format of the data differs.</p>
Exclude Void Transactions	Enter True in this option to exclude voided bulk collateral options from the G/L extract.
Use Specific Date	Enter True in this option to limit the extract to new records through a specific date. Note: The export contains new records, never before exported through the specific date.
Specific Date	Enter the ending date for the journal records to be included in the export file. Format: MM/DD/YYYY
History Number	To recreate a previously generated interface file, enter the History # for the interface file to be recreated.
Below parameters for Format: 10 Oracle/Frontier only	
Client Group	Enter the Client Group Code to limit the extract to a specific Client Group. Set at Tables > Client & Debtor > Client Group Codes
Group Value	Enter the Group Value to limit the extract to a specific Group. Set at Client Information > Groups Panel
G/L Account Group	Enter the G/L Account Group to limit the extract to a specific G/L Account Group. Set at Tables > Accounting > G/L Account Groups > G/L Group drop-down.

Field	Description
Future	Enter 5-digit Future code. If blank, defaults to zeros.
Intercompany	Enter 3-digit Intercompany code. If blank, defaults to zeros.

4. Select the **Destination** tab and configure the output type.
5. Select the **Scheduling** tab to configure the export interval. See the FactorSoft Export List topic in the Exporting Data chapter of this guide for details on the Destination and Scheduling tabs of this screen.
6. Click **Save** to save the export template.

Security Roles

The following security roles must be set to Yes for G/L Export List access, **Security Roles > Administrative Functions > System Control** folder.

Preference	Description
Export List (Update)	Set to Yes to allow access to Update the G/L Export List.
Export List (View)	Set to Yes to allow access to View the G/L Export List.

Jack Henry (Silverlake/GLXTRN)

The Jack Henry (Silverlake/GLXTRN) export is a summary format consisting of one record per transaction. G/L Export Format Value = 0.

Export Detail

Description: Jack Henry (Silverlake/GLXTRN)

Export Name: GL Export Interface Inactive

Output Path: \\clms-file-02 File Extension:

File Name: JHAGLXTRN DateTime Append:

Notify Email: acoalson@jackhenry.com

Client:

Description	Data Type	Requi...	Value
Format: 0-SL/GLXTRN, 1-20/20,...	Integer	Yes	0
Exclude Void Transactions	Boolean	Yes	false
Use Specific Date	Boolean	No	true
Specific Date	String	No	03/01/2020
History Number	Integer	No	

Allow Multiple Pending:

Save Cancel

System Preferences

Preference	Description
Default branch code	The branch code to be passed in the TRBR# field.
Officer code	The officer code to be passed in the TROFCR field, if used.
Source code	The source code to be passed in the SOURCE field, if used.

File Layout

The Jack Henry (Silverlake/GLXTRN) option produces a flat file with an .XLS extension in the following format, with a .CSV file extension, in the following format.

Field	Name	Pos	Len	Note
BATCH	Batch Number	1	3	FactorSoft unique batch number.
SEQ7	Sequence Num-	4	7	Generated by FactorSoft, each sequenced by one,

Field	Name	Pos	Len	Note
	ber			reset with each export.
TRBR#	Branch Number	11	3	Branch of G/L Account Code. From System Preference Identification/system constants , Interface parameters, Jack Henry G/L interface, Default branch code.
TRACCT	Account Number	14	9	G/L Account Number from FactorSoft. Right-justified, padded with spaces.
TRDORC	Debit or Credit Code	23	1	D = Debit C = Credit
TRAMT	Transaction Amount	24	11	Right-justified, padded on left with spaces.
TREFD6	Effective Date	34	6	Current FactorSoft processing date, MMDDYY.
TREFD7	Effective Date - Julian	40	7	Current FactorSoft processing date, YYYYJJJ.
TRDAT6	Transaction Date	47	6	Actual date of transaction (Paid On field on the View/Update Journal screen). MMDDYY.
TRDAT7	Transaction Date - Julian	53	7	Actual date of transaction (Paid On field on the View/Update Journal screen). YYYYJJJ.
TRDESC	Description	60	35	Description from FactorSoft Accounts Table
TROFCR	Officer Code	95	3	Not used
SOURCE	Source Code	98	1	Not used
TRPOST	Unposted Code	99	1	Not used

Jack Henry (2020) File Layout

The Jack Henry (2020) export is a summary format consisting of one record per transaction. This format is also compatible for export to the Jack Henry Silverlake (GLFTRN) format. G/L Export Format Value = 1.

Export Detail

Description: Jack Henry (2020)

Export Name: GL Export Interface Inactive

Output Path: \\vlms-file-02 ... File Extension:

File Name: JHA2020 DateTime Append:

Notify Email: acoalsan@jackhenry.com

Client:

Description	Data Type	Requi...	Value
Format: 0-SL/GLXTRN, 1-20/20,...	Integer	Yes	1
Exclude Void Transactions	Boolean	Yes	true
Use Specific Date	Boolean	No	
Specific Date	String	No	
History Number	Integer	No	

Allow Multiple Pending:

Save Cancel

System Preferences

Preference	Description
Default branch code	The branch code to be passed in the TRBR# field.
Officer code	The officer code to be passed in the TROFCR field, if used.
Source code	The source code to be passed in the SOURCE field, if used.

File Layout

The Jack Henry (2020) option produces a flat file with an .XLS file extension in the following format.

Field	Name	Pos	Len	Note
BATCH	Batch Number	1	3	FactorSoft unique batch number.
SEQ7	Sequence Number	4	7	Generated by FactorSoft, each sequenced by one, reset with each export.

Field	Name	Pos	Len	Note
TRBR#	Branch Number	11	3	Branch of G/L Account Code. From System Preference Identification/system constants , Interface parameters, Jack Henry G/L interface, Default branch code.
TRACCT	Account Number	14	9	G/L Account Number from FactorSoft. Right-justified, padded with spaces.
TRDORC	Debit or Credit Code	23	1	D = Debit C = Credit
TRAMT	Transaction Amount	24	11	Right-justified, padded on left with spaces.
TREFD6	Effective Date	35	6	Current FactorSoft processing date, MMDDYY.
TREFD7	Effective Date - Julian	41	7	Current FactorSoft processing date, YYYYJJJ.
TRDAT6	Transaction Date	48	6	Actual date of transaction (Paid On field on the View/Update Journal screen). MMDDYY.
TRDAT7	Transaction Date - Julian	54	7	Actual date of transaction (Paid On field on the View/Update Journal screen). YYYYJJJ.
TRDESC	Description	61	35	Description from FactorSoft Accounts Table
TROFCR	Officer Code	96	3	Not used
SOURCE	Source Code	99	1	Not used
TRPOST	Unposted Code	100	1	Not used

Jack Henry Silverlake (FNB/GLWRKT) File Layout

G/L Export Format Value = 2.

Export Detail

Description: Jack Henry Silverlake (FNB/GLWRKT)

Export Name: GL Export Interface Inactive

Output Path: \\clms-file-02 File Extension:

File Name: JHAFNBGLWRKT DateTime Append:

Notify Email: acoalson@jackhenry.com

Client:

Description	Data Type	Requi...	Value
Format: 0-SL/GLXTRN, 1-20/20,...	Integer	Yes	2
Exclude Void Transactions	Boolean	Yes	false
Use Specific Date	Boolean	No	true
Specific Date	String	No	03/18/2020
History Number	Integer	No	

Allow Multiple Pending:

Save Cancel

System Preferences

Set the following System Preferences have been added in the **Identification/system constants**, Interface parameters, Jack Henry G/L interface folder:

Preference	Description
Default branch code	The branch code to be passed in the XRBR field.
Cost center	The cost center code to be passed in the XRCOST field.
Default DR Tran code	The transaction code to be passed in the XRCODE field for debit items.
Default CR Tran code	The transaction code to be passed in the XRCODE field for credit items.

File Layout

The Jack Henry Silverlake (FNB/GLWRKT) option produces a comma-delimited file, with a .CSV file extension, in the following format.

Name	Pos	Len	Type	Note
XRBR	1	3	Alphanumeric	Branch Number.
XRACCT	4	10	Alphanumeric	Account Number.
XRCOST	11	4	Alphanumeric	<p>Cost Center</p> <p>The Cost Center is populated based on the following hierarchy:</p> <ul style="list-style-type: none"> • If the Cost center is completed in the Standard tab of the Account Table for the applicable account, send this value. • If the Account Table does not contain a Cost center, and System Preference Identification/system constants, Interface parameters, Jack Henry G/L interface, Cost center contains a default cost center value, send the System Preference value. • If neither the Account Table or System Preference is completed, send "0" for the Cost Center in the export file.
XRPROD	15	3	Alphanumeric	Product Code
XRCODE	18	3	Alphanumeric	Tran Code
XRAMT	21	13	Alphanumeric	Amount (no commas or dashes, two decimal positions assumed)
XRDESC	34	40	Alphanumeric	Description
XRDES1	74	40	Alphanumeric	Set Identification/system constants, Interface parameters, Jack Henry G/L interface, Store FactorSoft CheckDate in position XRDES1 in (GLWRKT) extract file to True to set this field to the check date from the Check Header Record.
XRDES2	114	40	Alphanumeric	Set Identification/system constants, Interface parameters, Jack Henry G/L interface, Store FactorSoft Facility Loan Number in position XRDES2 in GLWRKT) extract file to True to set this field to the Facility Loan Number.

Name	Pos	Len	Type	Note
XRDES3	154	40	Alphanumeric	Description
XRDES4	194	40	Alphanumeric	Description
XREFF6	234	6	Alphanumeric	Effective Date. MMDDYY. Set Identification/system constants, Interface parameters, Jack Henry G/L interface, Leave the Effective Date blank in position XREFF6 in (GLWRKT) extract file to True to leave the extract Effective Date in export file field XREFF6 blank to allow the receiving system to set this field to the actual processing date when the blank field is encountered.
XREFF	240	16	Alphanumeric	Transaction Reference

Symitar File Layout

G/L Export Format Value = 3.

Export Detail

Description:

Export Name: Inactive

Output Path: File Extension:

File Name: DateTime Append:

Notify Email:

Client:

Description	Data Type	Requi...	Value
Format: 0-SL/GLXTRN, 1-20/20,...	Integer	Yes	3
Exclude Void Transactions	Boolean	Yes	false
Use Specific Date	Boolean	No	
Specific Date	String	No	
History Number	Integer	No	

Allow Multiple Pending:

The Symitar file is a comma-delimited text file, with one G/L record per line.

Name	Format	Length	Note/Example
G/L Account Number	Text	16	#####-#####.#####, Ex. 990999-0000.0099
Transaction Amount	Numeric	15	#####.##, Ex. 18.74
Debit/Credit Indicator	Alphanumeric	1	C - Credit D - Debit
GL Transaction Comment	Alphanumeric	40	Symconnect - OLB

FCSDE File Layout

The FCSDE Export is located in the GL Export Interface in the **Admin Module > Administration > Export List**.
G/L Export Format Value = 4.

Export Detail

Description: FCSDE

Export Name: GL Export Interface Inactive

Output Path: \\vlms-file-02 File Extension:

File Name: FCSDE DateTime Append:

Notify Email: acoalson@jackhenry.com

Client:

Description	Data Type	Requi...	Value
Format: 0-SL/GLXTRN, 1-20/20,...	Integer	Yes	4
Exclude Void Transactions	Boolean	Yes	True
Use Specific Date	Boolean	No	
Specific Date	String	No	
History Number	Integer	No	

Allow Multiple Pending:

Save Cancel

System Preferences

The FCSDE G/L Export is configured in **System Preferences > Identification/system constants > Interface parameters > FCSDE G/L Interface** folder:

Preference	Description
Company Number	Enter the FCSDE Company Number.
Cost Center	If applicable, enter the Cost Center Number.
Application ID	Enter the FCSDE Application ID Number.
Batch Number	Enter the FCSDE Batch Number.

File Specifications

The FCSDE File is a comma-delimited .CSV file in the following format:

Column	Field Name	Description
Header		
A	Transaction Code	Always "98" [hard-coded]

Column	Field Name	Description
B	Company Number	Set in System Preferences > Identification/system constants > Interface parameters > FCSDE G/L Interface > Company Number
C	Batch Number	Set in System Preferences > Identification/system constants > Interface parameters > FCSDE G/L Interface > Batch Number
D	Application ID	Set in System Preferences > Identification/system constants > Interface parameters > FCSDE G/L Interface > Application ID
E	Batch Release Flag	Always "R" [hard-coded]
Records		
1	Credit Transaction Code or Debit Transaction Code	If Amount in less than 0, the Credit Transaction Code will display, otherwise the Debit Transaction Code will display.
2	Account Number	GL Account number assigned to the check-/transaction journal record.
3	Cost Center Number	Set in System Preferences > Identification/system constants > Interface parameters > FCSDE G/L Interface > Cost Center
4	Transaction Effective Date	General Ledger Posting Date saved for the check-/transaction journal record.
5	Doc Serial Number	Not Required
6	Sub Ledger Number	Not Required
7	Transaction Amount	General Ledger Dollar value for the check-/transaction journal record.
8	Transaction Description	General Ledger Account Name associated with the General Ledger Account Number assigned to the check/transaction journal record.

PeopleSoft-GL JGEN

The PeopleSoft-GL JGEN G/L Export option produces a 490 byte fixed-length text file in the following format. G/L Export Format Value = 5

NOTE

This G/L export requires that you are using Currency and all Accounts have a Currency set up in **Tables > Accounting > Account Table > Standard tab > Currency** or the export will fail.

'. At the bottom right are 'Save' and 'Cancel' buttons."/>

Description	Data Type	Requi...	Value
Format: 0-SL/GLXTRN, 1-20/20,...	Integer	Yes	5
Exclude Void Transactions	Boolean	Yes	false
Use Specific Date	Boolean	No	
Specific Date	String	No	
History Number	Integer	No	

System Preferences

The PeopleSoft G/L (JGEN) G/L Export is configured in **System Preferences > Identification/system constants > Interface parameters > PeopleSoft G/L (JGEN) interface parameters** folder:

Preference	Description
Export file name	Enter the standard file name for the export to FIS for PeopleGL
File path	Used to determine where to send the export files.

NOTE

The file is a .TXT file with a suffix (determined by System Preference **Identification/system constants, Interface parameters, PeopleSoft G/L (JGEN) interface parameters, Export file name**) and a date/-time stamp to ensure that file names are unique. Enter the output path in System Preference **Identification/System constants, Interface parameters, PeopleSoft G/L (JGEN) interface parameters, File Path**.

- Numeric fields cannot contain non-numeric values
- Alphanumeric fields are left justified

Field #	Name	Pos	Len	Type	Note
1	BUSINESS-UNIT	1	5	Alphanumeric	Required. "00" (hard-coded) followed by 3-digit IBS Bank number Enter number in System Preference Identification/system constants, Interface parameters, PeopleSoft G/L (JGEN) interface parameters, Business Unit
2	TRANSACTION-ID	6	10	Alphanumeric	Optional. Blanks or unique identifier per file
3	TRANSACTION-LINE	16	3	Numeric	Required. Line number or sequence number. Can be zeros. (hard-coded to "0")
4	LEDGER-GROUP	19	10	Alphanumeric	Required. Always "ACTUALS"
5	LEDGER	29	10	Alphanumeric	Optional, blanks
6	ACCOUNTING-DT	39	10	Date	Required. YYYY-MM-DD Check date.
7	APPL-JRNL-ID	49	10	Alphanumeric	Required. Code provided by FIS. Enter code in System Preference Identification/system

Field #	Name	Pos	Len	Type	Note
					constants , Interface parameters, PeopleSoft G/L (JGEN) interface parameters, Appl Journal ID
8	BUSINESS-UNIT-GL	59	5	Alphanumeric	Required. Same as BUSINESS-UNIT unless cross-posting to another financial institution Required. "00" (hard-coded) followed by 3-digit IBS Bank number Enter number in System Preference Iden-tification/system constants , Interface parameters, PeopleSoft G/L (JGEN) interface parameters, Business Unit
9	FISCAL-YEAR	64	4	Numeric	Zeros
10	ACCOUNTING-PERIOD	68	3	Numeric	Zeros
11	JOURNAL-ID	71	10	Alphanumeric	Blanks
12	JOURNAL-DATE	81	10	Alphanumeric	Blanks
13	JOURNAL-LINE	91	9	Numeric	Zeros
14	ACCOUNT	100	10	Alphanumeric	Required. Check Header and Check Detail Account Number which are established in Tables > Accounting > Account Table > Standard Tab > Account #
15	ALTACCT	110	10	Alphanumeric	Optional, blank.
16	DEPTID	120	10	Alphanumeric	Required, if used Exports the mid-value of the

Field #	Name	Pos	Len	Type	Note
					Client office located in Client Information > Control Panel > Office . Example: Client Office is BHAM then the value will be - AM
17	OPERATING-UNIT	130	8	Alphanumeric	Required, if used Exports the first two character values of the Client office located in Client Information > Control Panel > Office . Example: Client Office is BHAM then the value will be - BH
18	PRODUCT	138	6	Alphanumeric	Required, if used Unused, exports spaces.
19	FUND-CODE	144	5	Alphanumeric	Optional, blank
20	CLASS-FLD	149	5	Alphanumeric	Optional, blank
21	PROGRAM-CODE	154	5	Alphanumeric	Optional, blank
22	BUDGET-REF	159	8	Alphanumeric	Optional, blank
23	AFFILIATE	167	5	Alphanumeric	Optional, blank
24	AFFILIATE-INTRA1	172	10	Alphanumeric	Optional, blank
25	AFFILIATE-INTRA2	182	10	Alphanumeric	Optional, blank
26	CHARTFIELD1	192	10	Alphanumeric	Optional, blank
27	CHARTFIELD2	202	10	Alphanumeric	Optional, blank
28	CHARTFIELD3	212	10	Alphanumeric	Optional, blank
29	PROJECT-ID	222	15	Alphanumeric	Optional, blank
30	CURRENCY-CD	237	3	Alphanumeric	"USD" Established in Tables > Accounting > Account Table

Field #	Name	Pos	Len	Type	Note
					> Standard tab > Currency
31	STATISTICS-CODE	240	3	Alphanumeric	Optional, blank
32	FOREIGN-CURRENCY	243	3	Alphanumeric	Optional, blank
33	RT-TYPE	246	5	Alphanumeric	Always "CRRNT" (hard-coded)
34	RATE-MULT	251	15	Numeric	Zeros (hard-coded)
35	RATE-DIV	266	15	Numeric	Zeros (hard-coded)
36	MONETARY-AMT-SIGN	281	1	Alphanumeric	- (dash) for Credit Transactions. Blank for Debit
37	MONETARY-AMT-UNUSED	282	8	Alphanumeric	Blank
38	MONETARY-AMT	290	18	Numeric	Required. 15 digits and 3 decimal - Check Amount
39	FOREIGN-AMT-SIGN	308	1	Alphanumeric	- (dash) for Credit Transactions. Blank for Debit
40	FOREIGN-AMT-UNUSED	309	8	Alphanumeric	Blank
41	FOREIGN-AMT	317	18	Numeric	Required. 15 digits and 3 decimal (hard-coded zeros)
42	STATISTIC-AMOUNT-SIGN	335	1	Alphanumeric	- (dash) for Credit Transactions. Blank for Debit
43	STATISTIC-AMOUNT	336	15	Numeric	Required. 13 digits and 2 decimal (hard-coded zeros)
44	MOVEMENT-FLAG	351	1	Alphanumeric	Blank
45	DOC-TYPE	352	8	Alphanumeric	Optional, blank
46	DOC-SEQ-NBR	360	12	Alphanumeric	Optional, blank
47	DOC-SEQ-DATE	372	10	Alphanumeric	Optional, blank
48	JRNL-LN-REF	382	10	Alphanumeric	Optional, Check Number
49	ADB-DATE	392	10	Alphanumeric	Required. YYYY-MM-DD. Typically same as ACCOUNTING-DT, Check Date

Field #	Name	Pos	Len	Type	Note
50	OPEN-ITEM-KEY	402	30	Alphanumeric	Optional, blank
51	LINE-DESCR	432	30	Alphanumeric	Required Account's Description Established in Tables > Accounting > Account Table > Standard tab > Description
52	IU-SYS-TRAN-CD	462	8	Alphanumeric	Blank
53	IU-TRAN-CD	470	8	Alphanumeric	Blank
54	IU-ANCHOR-FLG	478	1	Alphanumeric	Blank
55	GL-DISTRIB-STATUS	479	1	Alphanumeric	"N" (hard-coded)
56	PROCESS-INSTANCE	480	10	Numeric	Zeros (hard-coded)
57	Not Used	490	1	Alphanumeric	Blanks

Great Plains Detail II File Layout

The Great Plains Detail II Export is located in the GL Export Interface in the **Admin Module > Administration > Export List**. The Great Plains Detail II Export can be scheduled via the Engine as well as added to the Date Roll Process. G/L Export Format Value = 6.

Export Detail

Description: Great Plains

Export Name: GL Export Interface Inactive

Output Path: \\clms-file-01 File Extension: CSV

File Name: GreatPlainsII DateTime Append: Not Appended

Notify Email: gpond@jackhenry.com

Client:

Description	Data Type	Requi...	Value
Format: 0-SL/GLXTRN, 1-20/20,...	Integer	Yes	6
Exclude Void Transactions	Boolean	Yes	false
Use Specific Date	Boolean	No	
Specific Date	String	No	
History Number	Integer	No	253

Allow Multiple Pending:

Save Cancel

File Specifications

The Great Plains Detail II File is a comma-delimited .CSV file in the following format:

Column	Field Name	Field Code
A	Account Number	CheckDtl.AcctNo
B	Transaction Description	CheckDtl.Descr
C	Client Code	Clients.ClientNo
D	Transaction Date	Checkhdr.CheckDate
E	Debit Amount	DebitAmt
F	Credit Amount	CreditAmt

Sample File

The below image is a sample of what to expect in each Great Plains Detail II file:

	A	B	C	D	E	F	G
1	1050	Carrier Payment, Invoice#EFS	(CARRIER)	5/7/2020	0	75	
2	102	Carrier Payment, Invoice#EFS	(CARRIER)	5/7/2020	0	25	
3	103	Carrier Payment, Invoice#EFS	(CARRIER)	5/7/2020	100	0	
4	1050	Carrier Payment, Invoice#CFMTRN	(CARRIER)	5/7/2020	0	75	
5	102	Carrier Payment, Invoice#CFMTRN	(CARRIER)	5/7/2020	0	25	
6	103	Carrier Payment, Invoice#CFMTRN	(CARRIER)	5/7/2020	100	0	
7	1050	Carrier Payment, Invoice#JACKFED	(CARRIER)	5/7/2020	0	75	
8	102	Carrier Payment, Invoice#JACKFED	(CARRIER)	5/7/2020	0	25	
9	103	Carrier Payment, Invoice#JACKFED	(CARRIER)	5/7/2020	100	0	
10	1050	Carrier Payment, Invoice#LOVES	(CARRIER)	5/7/2020	0	75	
11	102	Carrier Payment, Invoice#LOVES	(CARRIER)	5/7/2020	0	25	
12	103	Carrier Payment, Invoice#LOVES	(CARRIER)	5/7/2020	100	0	
13	1050	Reserve Release	(WIREWRIER)	5/7/2020	0	1	
14	1120	Reserve Release	(WIREWRIER)	5/7/2020	1	0	
15	1050	Carrier Payment, Invoice#COMDATA	(CARRIER)	5/7/2020	0	75	
16	102	Carrier Payment, Invoice#COMDATA	(CARRIER)	5/7/2020	0	25	
17	103	Carrier Payment, Invoice#COMDATA	(CARRIER)	5/7/2020	100	0	
18	1050	Carrier Payment, Invoice#EFS2	(CARRIER)	5/7/2020	0	75	
19	102	Carrier Payment, Invoice#EFS2	(CARRIER)	5/7/2020	0	25	
20	103	Carrier Payment, Invoice#EFS2	(CARRIER)	5/7/2020	100	0	
21	1050	Carrier Payment, Invoice#JACKFEDWIRE	(CARRIER)	5/7/2020	0	75	
22	102	Carrier Payment, Invoice#JACKFEDWIRE	(CARRIER)	5/7/2020	0	25	
23	103	Carrier Payment, Invoice#JACKFEDWIRE	(CARRIER)	5/7/2020	100	0	

FIS Horizon

The FIS Horizon is located in the GL Export Interface in the **Admin Module > Administration > Export List**. It contains detail account entries at the time of file creation and is scheduleable via the Engine. G/L Export Format Value = 7.

E Export Detail

Description: FIS Horizon

Export Name: GL Export Interface Inactive

Output Path: C:\ ... File Extension:

File Name: FISHorizon DateTime Append:

Notify Email: acoalson@jackhenry.com

Client:

Description	Data Type	Requir ...	Value
Format: 0-SL/GLXTRN, 1-20/20, 2-SL/GLWRK...	Integer	Yes	7
Exclude Void Transactions	Boolean	Yes	True
Use Specific Date	Boolean	No	
Specific Date	String	No	
History Number	Integer	No	

Allow Multiple Pending:

Save Cancel

System Preferences

The FIS Horizon G/L Export is configured in **System Preferences > Identification/system constants > Interface parameters > FIS Horizon GL Export** folder:

Preference	Description
SubSource	Designated by FIS.
TransDeb	Transaction Code (Debits)
TransCred	Transaction Code (Credits)
GLBranch	<p>Drop down allowing the user to select the Client Group Code to be associated with the FIS Horizon GL Branch number.</p> <p>FIS Horizon GL Branch drop-down is set up in Tables > Client > Client Group Table > GroupCode</p>
Bank Number	Designated by FIS.

Tables

The screenshot shows a 'Client Group Table' window. At the top, there's a table with two columns: 'Code' and 'Description'. The first row has '100' in the Code column and 'Industry' in the Description column. The second row has 'FISHGLB' in the Code column and 'FIS Horizon GL Branch' in the Description column. Below the table, there are several controls: a 'Code' text box containing 'FISHGLB', a 'Description' text box containing 'FIS Horizon GL Branch', a 'Code' radio button group with 'Users' and 'Values' (selected), a 'No-Buy if not specified' checkbox, a 'Values' section with 'Used By' tabs and a list containing 'ADV ABL = 77' and 'ADV FAC = 77', and buttons for 'Add', 'Remove', 'Modify', and 'Cancel'. On the right side of the window, there are buttons for 'Exit', 'Help', 'New', and 'Delete'.

To create a Client Group Code:

1. Select Code "Values" radio button and add Values indicating the GL Branch number with or without the Branch name.

NOTE

Branch Number must be Numeric, 4 characters max.

File Specifications

The FIS Horizon File is a .txt file in the following format (TPAEINPA (ATE Abbreviated file format)):

Field Name	Position		Length		Data Type	Field Description	Comments	Description
	From	To	Field	Decima-				
				I				
Header Record								

Field Name	Position		Length		Data Type	Field Description	Comments	Description
Filler	1	1	1		Char	space(1)		
TAPDAT	2	9	8	0	Zoned	Current Processing Date	Optional. (CCYYMMDD) This field determines the date that the transaction is to be processed. This field must be either the Current Processing Date or zeros (if it is zeros, ATE will override the value to the Current Processing Date). The value in this field must be the same for all records in the file.	Date the Export File is Generated
TABNK#	10	16	7	0	Zoned	Right Aligned with Leading spaces	Required. Must be the bank number of the client that is intended to receive the file	System Preferences > Identification/System Constants > Interface Parameters > FIS Horizon Export > Current Bank Number
TATRCE	17	46	30		Char	Source Trace Num-	Required (#HDR-Sub	

Field Name	Position		Length		Data Type	Field Description	Comments	Description
						ber	Source-Control Total). This field is required if the header record is used and the Sub Source is set for Auto file import. Ex: #HDR-IPSAP-000000089056-78	
	17	21	5		Char	#HDR-	#HDR- Constant (4 char + dash)	
	22	26	5		Char	Value from ParmText table Left Aligned with Trailing spaces	Subsource (5 char)	22-26: Subsource: System Preferences > Identification/System Constants > Interface Parameters > FIS Horizon Export > SubSource
	27	27	1		Char	"-"	Dash - char	
	28	44	17		char	Right Aligned with Leading Zeros	batch totals, right justified, zero filled, implied decimal	28-44: Control Total: Should Equal the Total Debits and Equal the Total Credits. Not the Sum of the two. Example:

Field Name	Position	Length	Data Type	Field Description	Comments	Description		
						Control Total = 367700 Total Debits = 367700 Total Credits =367700		
	45	46	2	Char	space(2)	Filler		
Detail Records								
TAPDAT	1	8	8	0	Zoned	Current Processing Date	Optional. (CCYYMMDD) This field determines the date that the transaction is to be processed. This field must be either the Current Processing Date or zeros (if it is zeros, ATE will override the value to the Current Processing Date). The value in this field must be the same for all records in the file.	Date the Export File is Generated
Filler	9	9	1		Char	Space(1)		
TABNK#	10	16	7	0	Zoned	Left Aligned with Trail-	Required. Must be the	System Preferences > Iden- tification/System

Field Name	Position		Length		Data Type	Field Description	Comments	Description
						ing Space	bank number of the client that is intended to receive the file	Constants > Interface Parameters > FIS Horizon Export > Current Bank Number
TATRCE	17	46	30			Space(30)		Blank on Detail Record
TARAPP	47	48	2		Char	Release Application	<p>Required.</p> <p>The Application that is expected to process the transaction. Valid values are:</p> <p>BX = Safe Deposits</p> <p>CD = Certificates</p> <p>DD = Demand Deposits</p> <p>GL = General Ledger</p> <p>IR = Retirement</p> <p>LN = Loans</p> <p>ML = Mortgages</p> <p>SV = Savings</p>	Hard Code: GL
TAACC-T#	49	68	20	0	Zoned Right	Account Number	Required.	Check Detail Acct Number = (Check-Dtl.AcctNo)

Field Name	Position		Length		Data Type	Field Description	Comments	Description
					Justified with leading zeros			
TATAMT	69	83	15	2	Zoned Right Justified with leading zeros	Transaction Amount	Required.	Check Detail Amount = (CheckDtl.Amt) No Decimals All Amounts are reflected as Positive. Use absolute value.
TATCOD	84	87	4	0	Zoned	Transaction Code	Required. This must be a valid transaction code for the Application indicated in TPRAPP. Note: Reversals are not permitted through ATE.	If Detail Record is a Credit; then System Preferences > Identification/System Constants > Interface Parameters > FIS Horizon Export > TransCred. If Detail Record is a Debit; then System Preferences > Identification/System Constants > Interface Parameters > FIS Horizon Export > TransDeb.
TAEDAT	88	96	9	0	Zoned	Effective Date	Optional. (CCYYMMDD) The Effective Date of the	Check Header Check Date = (Check-Hdr.CheckDate)

Field Name	Position		Length		Data Type	Field Description	Comments	Description
							transaction. Must be the Current Processing Date, zeros, or a valid past date. If the value in this field is zeros or is invalid (i.e. future date or invalid date format), ATE will override it to the Current Processing Date.	
TATDES	97	136	40		Char	Description	Optional. If no transaction description is provided, the default description associated with the Transaction Code will be used	Transactions Description
TASRLN	137	152	15	0	Zoned Zero filled	Serial Number	Optional. This field is used for Check Number, if applicable.	
TAGLBR	152	156	4	0	Zoned Right	GL Branch	Conditional. If TPRAPP = GL,	System Preferences > Iden-

Field Name	Position		Length		Data Type	Field Description	Comments	Description
					Justified with leading zeros		then this field must contain the GL Branch.	tification/System Constants > Interface Parameters > FIS Horizon GL Export > FIS Horizon GL Branch, then ClientGroup.GroupValue show Branch number (numeric) value only.
TAGLCS	156	160	4	0	Zoned	GL Center	Conditional. If TPRAPP = GL, then this field must contain the GL Center.	Accounts Cost Center = (Account.s.CostCenter) If Blank or NULL, Then "0"
TATDES0-2	160	200	40		Char	Transaction Description Line 02	Optional. Additional Description line	Blank
TAWKID	200	210	10		Char	Maint WrkStn Id	Optional (left justified). Workstation used by person who entered or last modified the transaction. <i>Note: If the User ID field (TAUSER) is blank, any value in this field will be overridden with the</i>	Blank

Field Name	Position		Length		Data Type	Field Description	Comments	Description
							<i>Workstation ID of the user that performed the import.</i>	
TAUSER	210	220	10		Char	Maint User Id	<p>Optional (left justified).</p> <p>User ID of person who entered or last modified the transaction.</p> <p><i>Note: If the field is blank, then the User ID of the person that performed the import will be populated into this field (the TAWKID, TAIDOV, TAMDAT, TAMTIM fields will also be populated from the current session).</i></p>	Blank
TAIDOV	220	230	10		Char	Maint User Id Override	<p>Optional (left justified).</p> <p>User ID of person who performed an override to enter or modify the transaction.</p> <p><i>Note: If the User</i></p>	Blank

Field Name	Position		Length		Data Type	Field Description	Comments	Description
							<i>ID filed (TAUSER) is blank, any value in this field will be overridden with the Override User ID of the user that performed the import.</i>	
TAMDAT	230	239	9	0	Zoned	Maint Date	Optional (CCYMMDD). Date that the transaction was entered or last modified. <i>Note: If the User ID field (TAUSER) is blank, any value in this field will be overridden with the date that the import was performed.</i>	Blank
TAMTIM	239	245	6	0	Zoned	Maint Time	Optional (24:60:60). Time that the transaction was entered or last modified. <i>Note: If the User ID (TAUSER) is blank, any value in this field will be overridden with</i>	Blank

Field Name	Position	Length	Data Type	Field Description	Comments	Description
					<i>the Time that the import was performed.</i>	

Sample File

Below is sample of a FIS Horizon Export file:

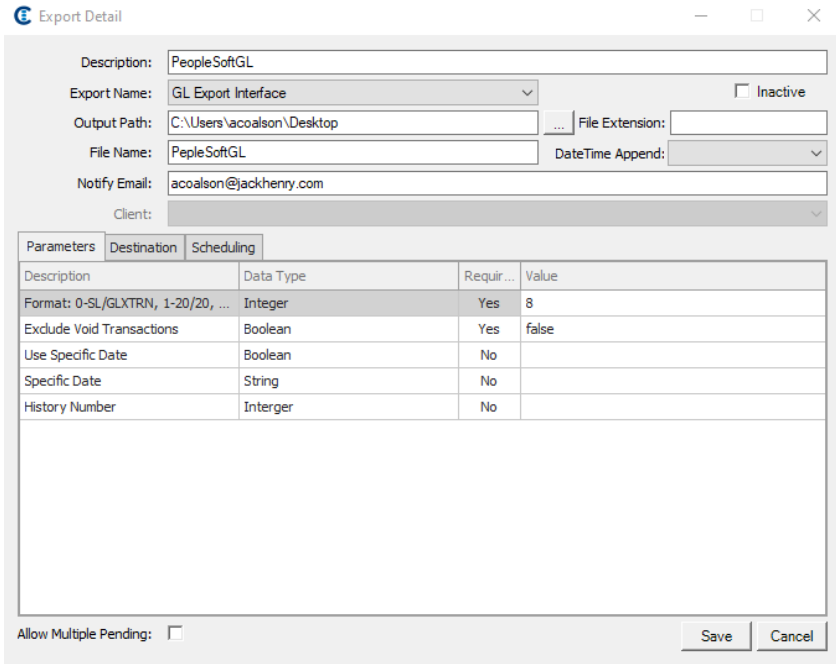
```

20200415 67#HDR-SWBC -0000000000000020000
20200415 67 LNXXXXXXXXX 100 002020200415 Auto Payment1QEEA76083E4
20200415 67 GLXXXXXXXXX 100 601020200415 SWBC 00010001

```

PeopleSoft File Layout

The PeopleSoft G/L Export is a non-delimiter ASCII (TXT) file that contains detail account entries at the time of file creation which can be scheduled via the Engine and can be processed with the Date Roll. G/L Export Format Value = 8.



System Preferences

The PeopleSoft GL Export is configured in **System Preferences > Identification/system constants > Interface parameters > PeopleSoft GL Export** folder:

Preference	Description
Application Journal ID	Enter the Journal ID
Business Unit	Enter the Business Unit for PeopleSoft
Location	Enter the Location Code in PeopleSoft
Line of Business	Enter the Line of Business Code in PeopleSoft
Product	Enter the Product Code in PeopleSoft

System Preferences

If scheduling the export to Run with Overnight and you want the export to run prior to the date change, the following System Preferences must be set at **System Preferences > Identification/System Constants > CLMS|Engine > Overnight Tasks** folder:

Preference	Description
G/L export template to run during overnight immediately before the actual date change	Select export format to run with overnight process. Note: The export must be setup in the Export List before this format drop-down will populate.

NOTE

When scheduling PeopleSoft G/L Export to Run with Overnight, the General Ledger Export Task should be selected from the drop-down. See the Scheduling Tab section for more details on scheduling Exports.

File Specifications

Field Name	Type	Start Pos	End Pos	LEN	REQ	Contents	Prior Field	Field Description/Value
RecordType	Char	1	1	1	Y	Type of Update to		Hard Coded "L"

Field Name	Type	Start Pos	End Pos	LEN	REQ	Contents	Prior Field	Field Description/Value
						PeopleSoft: "L" for G/L		
ApplicationJournalId	Char	2	11	10	Y	Source System for transaction. (If PeopleSoft value not supplied, leave blank and add Optional Data Fields below so value can be derived)	Application_Area (was 2 char code, now use full 10 char system description from interface listing)	Set it System Preferences > Identification/System Constants > Interface Parameters > Peoplesoft GL Export > Application Journal ID
JournalType	Char	12	12	1	Y	Type of Journal entry: "M" for Monetary (only code allowed at this time) "S" for Statistical (not used at this time)		Hard Coded "M"
RunDate	Date Time	13	26	14	Y	Date/Time of transaction. Format: YYYYMMDDh-hmmss (If time not supplied, midnight is assumed)	Document_Date (time stamp added to field)	Export File Date/Time: Format: YYYYMMDDh-hmmss
AccountingDate	Date	27	34	8	Y	Posting date for transaction. Format: YYYYMMDD	Posting_Date	Check-Hdr.CheckDate Format: YYYYMMDD
Ledger	Char	35	44	10	Y	Ledger Type in PeopleSoft:		Hard Coded "ACTUALS"

Field Name	Type	Start Pos	End Pos	LEN	REQ	Contents	Prior Field	Field Description/Value
						"ACTUALS" for Actuals (only code allowed at this time) "STAT" for Statistical (not used at this time) "BUDGET" for Budget (not used at this time)		Left Justified with trailing spaces.
DbCrCode	Char	45	46	2	Y	Debit/Credit Code: "DB" for Debit "CR" for Credit	DR-CR_ Indicator (was digits, now pass 2 char code)	Hard Coded: "DB" for Debit "CR" for Credit
Amount	Num 12.2	47	61	15	Y	Amount with explicit decimal. Format: 999999999999.99 (Positive or negative amount only - right justified, zero filled)	Transaction_ Amount (decimal required)	The DbCrCode above define whether it's a -/+ . So display all amounts as positive. Right Justified with leading zero included decimal.
LineReference	Char	62	71	10		Additional Description information. (additional field, if needed)	Description_1B (now 10 char not 20)	Transactions Description carry-over from LineDescription
LineDescription	Char	72	101	30		Description information.	Description_1	CheckHr.Desc Transactions Description; i.e. Funding, Adjustment, Reserve release, etc. Left

Field Name	Type	Start Pos	End Pos	LEN	REQ	Contents	Prior Field	Field Description/Value
								justified with trailing spaces
BusinessUnit	Char	102	106	5	*	Business Unit in PeopleSoft. Format: 101?? (If PeopleSoft value not supplied, leave blank and derived from ExternalTransactionField data below)	Bank (now 5 digits - only change is 1 on front - if sending old bank format, use optional fields below)	Set in System Preferences > Identification/System Constants > Interface Parameters > Peoplesoft GL Export > Business Unit
Account	Char	107	113	7	*	G/L Account Number in PeopleSoft. (If PeopleSoft value not supplied, leave blank and add Optional Data Fields below so value can be derived)	Account_ Number (accounts change in PS - if sending old account, use optional fields below)	Accounts.AcctNo Lookup SQL Table: Accounts
Department	Char	114	120	7	*	Department Code in PeopleSoft. (If PeopleSoft value not supplied, leave blank and add Optional Data Fields below so value can be derived)	Center_ Number (3 new fields derived from center - if sending old center, use optional	Accounts.CostCenter Lookup SQL Table: Accounts

Field Name	Type	Start Pos	End Pos	LEN	REQ	Contents	Prior Field	Field Description/Value
							fields below)	
Location	Char	121	125	5	*	Location Code in PeopleSoft. (If PeopleSoft value not supplied, leave blank and add Optional Data Fields below so value can be derived)		Set in System Preferences > Identification/System Constants > Interface Parameters > Peoplesoft GL Export > Location
Line of Business	Char	126	129	4	*	Line of Business Code in PeopleSoft (If PeopleSoft value not supplied, leave blank and add Optional Data Fields below so value can be derived)		System Preferences > Identification/System Constants > Interface Parameters > Peoplesoft GL Export > Line of Business
Product	Char	130	135	6	*	Product Code in PeopleSoft. (If PeopleSoft value not supplied, leave blank and use "Original Product" field below so value can be derived)		Set in System Preferences > Identification/System Constants > Interface Parameters > Peoplesoft GL Export > Product
Distribution	Char	136	142	7	*	Distribution used for additional break-down levels in reporting. Leave blank unless specifically told to pop-		Blank

Field Name	Type	Start Pos	End Pos	LEN	REQ	Contents	Prior Field	Field Description/Value
						ulate. If not Open Item Account, this will contain value specified by Finance.		
Affiliate	Char	143	147	5		Cross Company Business Unit in PeopleSoft. Format: 101?? "101??" on Due-to/Due-from account transactions. Spaces on normal G/L transactions. (see tab 2 for rules regarding this field)	Cross_ Company_ Code (now 5 digits - only change is 1 on front) (see tab 2 - send 2 records instead of 1)	Blank
PCBusinessUnit	Char	148	152	5		Project Costing. (not used at this time)		Blank
Project	Char	153	158	6		Project Costing. (not used at this time)		Blank
Activity	Char	159	173	15		Project Costing. (not used at this time)		Blank
SourceType	Char	174	178	5		Project Costing. (not used at this time)		Blank
Category	Char	179	183	5		Project Costing. (not used at this time)		Blank

Field Name	Type	Start Pos	End Pos	LEN	REQ	Contents	Prior Field	Field Description/Value
OpenItemKey	Char	184	213	30		Open Item value for self-reconciling accounts.	Description_2 (now 30 char, not 12)	Blank
Extra Data fields (required if these fields exist in the source system)								
CustomerAccount	Alph-a	214	230	17		Customer Account (i.e. DDA account, Loan account, etc.) (Length of 17 to account for credit card number) (If numeric, right justify and zero fill on left) (If characters exist in number, space fill on right)		Blank
OriginalProductCode	Char	231	245	15		Original Product Code utilized by the source system (Increase length if 15 is not enough) (This value will be used by PS to derive product above)		Blank
TranCode	Char	246	250	5		Transaction Code related to each item (Increase length if 5 is not enough)		Blank
Optional Data fields (add as many as needed and provide layout to PeopleSoft team)								
Option-	Char	251	??	??		(specify field		Not required

Field Name	Type	Start Pos	End Pos	LEN	REQ	Contents	Prior Field	Field Description/Value
alDataField1						description and contents)		
Option-alDataField2	Char	??	??	??		(specify field description and contents)		Not required
Option-alDataField3	Char	??	??	??		(specify field description and contents)		Not required
Option-alDataFieldn	Char	??	??	??		(specify field description and contents)		Not required
(add or remove as desired)	Char	??	??	??		(add or remove optional fields as desired)		Not required

Sample Export

Below is a sample of the PeopleSoft GL Export:

GLINT_FAC_GLTRAN_20200803213004.txt - Notepad

File Edit Format View Help

```

LFAC_GLTRANM2020080321300420200803ACTUALS CR000003100000.00 WELLS WIRE TO UMB MTF 8/3/20 1015211116361610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000697056.69 REV JUL N DAY WIRE/ACH RECLASS101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS DB000000216433.03 REV JUL N DAY WIRE/ACH RECLASS1015226122101610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS DB000000254814.23 REV JUL N DAY WIRE/ACH RECLASS1015226122101610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS DB000000225809.43 REV JUL N DAY WIRE/ACH RECLASS1015226122101610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000043000.00 FUNDING 078239 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000086952.57 FUNDING 078240 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000225000.00 FUNDING 078242 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000001500.00 FUNDING 078241 1015240300801610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000027061.74 FUNDING 078241 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000059590.00 FUNDING 078243 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000106500.00 FUNDING 078244 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000237034.01 FUNDING 078245 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000023284.51 FUNDING 3,540 078246 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000083500.00 FUNDING 078247 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000033900.00 FUNDING 078248 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000065000.00 FUNDING 078249 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000050000.00 FUNDING 078251 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000002027.09 FUNDING 4034 078252 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000100000.00 FUNDING 078253 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000016837.00 FUNDING 078255 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000066776.00 FUNDING 078254 101521111521610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000000332.07 FUNDING 1,058 078256 1015240300801610020200201041182032
LFAC_GLTRANM2020080321300420200803ACTUALS CR000000036595.67 FUNDING 1,058 078256 101521111521610020200201041182032

```



Sage/Intak File Layout

The Sage/Intak G/L Export is a comma-delimited .CSV file that contains detail accounts entries at the time of file creation. G/L Export Format Value = 9.

Export Detail

Description: Sage/Intak

Export Name: GL Export Interface Inactive

Output Path: C:\Users\acoalson\Desktop ... File Extension:

File Name: SageIntak DateTime Append:

Notify Email: acoalson@jackhenry.com

Client:

Description	Data Type	Requir...	Value
Format: 0-SL/GLXTRN, 1-20...	Integer	Yes	9
Exclude Void Transactions	Boolean	Yes	false
Use Specific Date	Boolean	No	
Specific Date	String	No	
History Number	Integer	No	

Allow Multiple Pending:

Save Cancel

System Preferences

The Sage/Intak GL Export is configured in **System Preferences > Identification/system constants > Interface parameters > Sage/Intak GL Export** folder:

Preference	Description
Journal	Enter the Journal Value
Location ID	drop-down to select Client Group Code: GL Sage Location ID Set at Tables > Client & Debtor > Client Group Codes
Dept ID	drop-down to select Client Group Code: GL Sage Dept ID

Preference	Description
	Set at Tables > Client & Debtor > Client Group Codes

NOTE

The Client Group Codes for Location ID and Dept ID must be set up in **Tables > Client & Debtor > Client Group Codes** before the System Preference can be set. Additionally, you must establish the Group Value on the **Client Information > Groups** Panel before the data will be reflected on the Export.

Column	Data Type	Length	Required	Valid Values / Comments	Field Description / Value
JOURNAL	Alpha/Numeric	4	Y	Default Value: None Dependencies: None	Set at System Preferences > Identification/System Constants > Interface Parameters > Sage/Intak GL Export > Journal
DATE	Date	24	Y	Default Value: Current Date Valid Values: Any valid date Dependencies: None	CheckHdr.CheckDate Lookup SQL Table: CheckHdr Format: YYYYMMDD
DESCRIPTION	Alpha/Numeric	80	Y	Default Value: None Valid Values: Alpha/Numeric and underscore Dependencies: None	Checkhdr.Descr Transaction Description up to 1000 characters
REFERENCE_NO	Alpha/Numeric	20	N	Default Value: None Valid Values: Any Dependencies:	Leave Blank

Column	Data Type	Length	Required	Valid Values / Comments	Field Description / Value
				Non	
LINE_NO	Numeric	any	Y	<p>Default Value: None</p> <p>Valid Values: Positive integer</p> <p>Dependencies: Start with 1 for the first line of a transaction and increment by one for each subsequent line</p>	<p>Start at 1 for each Transaction and increment by 1 for each detail entry associated with the Transactions.</p> <p>Example:</p> <p>Transaction #1</p> <p>1 - Debit 25.00</p> <p>2 - Credit 25.00</p> <p>Transaction #1</p> <p>1 - Debit 100.00</p> <p>2 - Credit 25.0</p> <p>3 - Credit 75.00</p>
ACCT_NO	Alpha/Numeric	24	Y	<p>Default Value: None</p> <p>Valid Values: Any; must conform to primary/sub account specification in Company > setup Company Info</p>	<p>Accounts.AcctNo</p> <p>Lookup SQL Table: Accounts</p>
LOCATION_ID	Alpha/Numeric	20	N	<p>Default Value: None</p> <p>Valid Values: Alpha/Numeric and underscore</p> <p>Dependencies: Refers to a valid</p>	<p>Set at System Preferences > Identification/System Constants > Interface Parameters > Sage/Intak GL Export > Location ID</p>

Column	Data Type	Length	Required	Valid Values / Comments	Field Description / Value
				location	Clientgroup.Value Lookup SQL Table: ClientGroup where Code description = GL Sage Location ID
DEPT_ID	Alpha/Numeric	20	N	Default Value: None Valid Values: Any Dependencies: None	Set at System Preferences > Identification/System Constants > Interface Parameters > Sage/Intak GL Export > Dept ID Clientgroup.Value Lookup SQL Table: ClientGroup where Code description = GL Sage Dept ID
DOCUMENT	Alpha/Numeric	30	N	Default Value: None Valid Values: Any Dependencies: None	Optional, leave blank
MEMO	Alpha/Numeric	1000	N	Default Value: None Valid Values: Any Dependencies: None	Checkhdr.CheckNo Check No up to 1000 characters
DEBIT	Numeric	38,2	Y, if credit amount is not present	Default Value: None Valid Values: Any number	All positive amounts, If Credit amount is present, leave this column blank.

Column	Data Type	Length	Required	Valid Values / Comments	Field Description / Value
				Dependencies: None	
CREDIT	Numeric	38,2	Y, if debit amount is not present	Default Value: None Valid Values: Any number Dependencies: None	All positive amounts, If Debit amount is present, leave this column blank.
SOURCEENTITY	Alpha/Numeric	20	N	Default Value: None Valid Values: Alpha/Numeric and underscore Dependencies: Refers to a valid location	Source Entity is related to inter-Bank entity. Not using. Optional: Leave Blank
CURRENCY	Alpha/Numeric	3	N	Default Value: Base Currency/System Currency Valid Values: Any defined currency such as USD or EUR; blank denotes base currency Dependencies: Must reference a previously defined currency	Clients.CurrencyType or Facility.CurrencyHdrKey Lookup SQL Table: CurrencyHdr If Clients.CurrencyType and Facility.CurrencyHdrKey are Blank then System Preferences > Identification/System Constants > System constants > Native Currency
EXCH_RATE_DATE	Date	10	Y	Default Value: Today	CheckHdr.CheckDate

Column	Data Type	Length	Required	Valid Values / Comments	Field Description / Value
				Valid Values: Any valid date format Dependencies: None	Lookup SQL Table: CheckHdr Format: YYYYMMDD
ESCH_RATE_TYPE_ID	Alpha/Numeric	40	N	Default Values: Intak Daily Rate, unless a custom exchange rate is defined as the default Valid Values: Alpha/Numeric and underscore Dependencies: Must reference a previously defined exchange rate type	Optional, leave Blank
EXCHANGE_RATE	Numeric	17, not including decimal	N	Default Value: Defaults to the exchange rate of the currency on the EXCH_Rate_Date for the EXCH_Rate_Type Valid Values: Positive integers Dependencies: None	Optional, leave Blank
STATE	Alpha/Numeric	6	N	Valid Values: Draft, Posted	Clients.State Lookup SQL Table: Clients

NOTE

The Client Group Codes must be set up in **Tables > Client & Debtor > Client Group Codes** Additionally, you must establish the Group Value on the **Client Information > Groups** Panel before the data will be reflected on the Export.

Header File Specifications

Field	Required	Type	Length	Position	Format	Example	Comments
Record Type	Y	Varchar	1	1-1		H	Required, value 'H'
Source system code	Y	Varchar	3	2-4		CDF	Required, value 'CDF'
Total # of USD Lines	Y	Number	7	5-11		0000028	Right justified with leading zeros
Total USD Debits	Y	Number	11	12-22	00000000000	000200000000	Last 2 digits are decimal places with no decimals in the file layout; Total USD Debits cannot be different from Total USD Credits; Right justified with leading zeros
Total USD Credits	Y	Number	11	23-33	00000000000	002000000000	Last 2 digits are decimal places with no decimals

Field	Required	Type	Length	Position	Format	Example	Comments
							in the file layout; Total USD Debits cannot be different from Total USD Credits; Right justified with leading zeros

Detail File Specifications

Field	Required	Type	Length	Position	Format	Example	Comments
Field	Required	Type	Length	Position	Format	Example	Comments
Record Type	Y	Varchar	1	1-1		L	Required, value 'L'
Accounting date	Y	Date	8	2-9	YYYYMMDD	20150131	Accounting date
Currency	Y	Varchar	3	10-12			'USD' for financial transactions
Company	Y	Varchar	3	13-15	100		Company, default '100'
Account	Y	Varchar	6	16-21	123456		GL Account Number
Cost Center	Y	Varchar	5	22-26	01234		Cost Center with leading zero
Location	Y	Varchar	4	27-30	1234		GL Location code
Division	Y	Varchar	3	31-33	101		ZBNA Division

Field	Required	Type	Length	Position	Format	Example	Comments
							Number
Product	Y	Varchar	5	34-38	12345		GL Product number
Intercompany	Y	Varchar	3	39-41	000		Intercompany, default to '000'
Future	Y	Varchar	5	42-46	00000		Future segment, default to '00000'
Debit/Credit Indicator	Y	Varchar	2	47-48	C		Debit/Credit indicator Credit=C Debit=D
Amount	Y	Number	11	49-59	00000012345		Amount; divide by 100 to get decimal value
Description	N	Varchar	100	60-159			Add " if the delimited value is there in data column

Summary File Specifications

Field	Required	Type	Length	Position	Format	Example	Comments
Record Type	Y	Varchar	1	1-1		L	Required, value 'L'
Accounting date	Y	Date	8	2-9	YYYYMMDD	20150131	Accounting date
Currency	Y	Varchar	4	10-12			'USD' for financial transactions

Field	Required	Type	Length	Position	Format	Example	Comments
Company	Y	Varchar	3	13-15	100		Company, default '100'
Account	Y	Varchar	6	16-21	123456		GL Account Number
Cost Center	Y	Varchar	4	22-25	1234		Cost Center with leading zero
Location	Y	Varchar	4	26-29	1234		GL Location code
Division	Y	Varchar	3	30-32	101		ZBNA Division Number
Product	Y	Varchar	5	33-37	12345		GL Product number
Inter-company	Y	Varchar	3	38-40	000		Inter-company, default to '000'
Future	Y	Varchar	5	41-45	00000		Future segment, default to '00000'
Debit/Credit Indicator	Y	Varchar	1	46-46	C		Debit/Credit indicator Credit=C Debit=D
Amount	Y	Number	15	47-61	00000000001234-5		Amount; divide by 100 to get decimal value Displays the Ending Balance of each GL Account. If

Field	Required	Type	Length	Position	Format	Example	Comments
							no activity, displays 0.00.
Description	N	Varchar	100	62-155			Add " if the delimited value is there in data column

Sample Export

Below is a sample of the Oracle/Frontier GL Export:

Oracle_20220211090007_Detail - Notepad

```
File Edit Format View Help
H|CDF|0000283|00524298870|00524298870
L|20220103|USD|100|111111|5707|6901|175|00000|000|00000|C|00000860360|1540
L|20220103|USD|100|333333|5707|6901|175|10430|000|00000|D|00001041600|1540
L|20220103|USD|100|222222|5707|6901|175|10430|000|00000|C|00000156240|1540
L|20220103|USD|100|444444|5707|6901|175|59005|000|00000|C|00000025000|1540
L|20220103|USD|100|111111|5707|6901|175|00000|000|00000|C|00000966928|1540
L|20220103|USD|100|333333|5707|6901|175|10430|000|00000|D|00001166974|1540
L|20220103|USD|100|222222|5707|6901|175|10430|000|00000|C|00000175046|1540
L|20220103|USD|100|444444|5707|6901|175|59005|000|00000|C|00000025000|1540
L|20220103|USD|100|111111|5707|6901|175|00000|000|00000|C|00021180503|1486
```

Frontier_20220211090007_Summary - Notepad

```
File Edit Format View Help
L|20220211|USD|100|111111|5707|6901|175|00000|000|00000|C|00020141197
L|20220211|USD|100|222222|5707|6901|175|10430|000|00000|D|00018969442
L|20220211|USD|100|333333|5707|6901|175|10430|000|00000|D|00001207290
L|20220211|USD|100|444444|5707|6901|175|00000|000|00000|D|00000924452
L|20220211|USD|100|555555|5707|6901|175|10430|000|00000|C|00000884987
L|20220211|USD|100|666666|5707|6901|175|59005|000|00000|C|00000075000
```

G/L Export Layouts

The G/L Export Facility can handle a variety of data formats. The data for each is exported in a specific format, to which the receiving application must conform to ensure successful import. Export data formats are described in the following section of this manual.



AccPac/Sage ERP File Layout

System Preferences

The following system preferences for this export are found in the Administration module, System Preferences, **Identification/system constants**, Interface parameters, AccPac interface parameters folder.

Preference	Description
Application Code	Enter the AccPac interface application code.
Bank code	Enter the AccPac interface bank code.
Zero check value replacement numbers	Enter the characters to replace the "Z" in FactorSoft zero check numbers to meet AccPac requirements.

File Specifications

The AccPac/Sage ERP File is a comma-separated, quote-delimited file with a file extension of .CSV. The file name is "AccPac Sage ERP". Each file consists of one header (or Type 1) record, and a detail (or Type 2) record for each journal or check detail record.

Header Record

Field #	Name	Type	Contents	Note/Example
1	RECTYPE	Constant	1	Always "1"
2	BATCHID	FactorSoft Value	Export/History #	Same as Detail Field 2. Example: "100"
3	BTCHENTRY	Constant	1	Always "1"
4	ORIGCOMP	Constant	<blanks>	
5	SRCELEDGER	Constant	GL	Always "GL"
6	SRCETYPE	Constant	JE	Always "JE"
7	FSCSYR	FactorSoft Value	Control.OpenYear	Open Fiscal Year Example: "2012"
8	FSCSPERD	FactorSoft Value	Control.OpenMonth	Open Fiscal Month Example "5"

Field #	Name	Type	Contents	Note/Example
9	SWEDIT	Constant	0	Always "0"
10	SWREVERSE	Constant	0	Always "0"
11	JRNLDISC	FactorSoft Value	Export Date (Long Date)	Example "February 01 2012"
12	JRNLDLDR	FactorSoft Value	Sum of Debits Unsigned	Example "9823432.12"
13	JRNLCR	FactorSoft Value	Sum of Credits Unsigned	Example "9823432.12"
14	JRNLTQTY	Constant	0	Always "0"
15	DATEENTRY	FactorSoft Value	Export Date	CCYYMMDD Example "20120201"
16	DRILSRCTY	Constant	0	Always "0"
17	DRILLDWNLK	Constant	0	Always "0"
18	DRILAPP	Constant	<blank>	
19	BALANCE	Constant	0	Always "0"
20	REYR	Constant	0	Always "0"
21	REVPERD	Constant	0	Always "0"
22	ERRBATCH	Constant	0	Always "0"
23	ERRENTY	Constant	0	Always "0"
24	DETAILCNT	Calculated Value	# detail records	Example "4"
25	PROCESSCMD	Constant	2	Always "2"

Detail Record

Field #	Name	Type	Contents	Note/Example
1	RECTYPE	Constant	2	Always "2"
2	BATCHNBR	FactorSoft	Export/History #	Same as Header Field 2

Field #	Name	Type	Contents	Note/Example
		Value		
3	JOURNALID	Constant	1	Always "1"
4	TRANSNBR	Constant	<blank>	
5	DESCOMP	Constant	<blank>	
6	ROUTE	Constant	0	Always "0"
7	ACCTID	FactorSoft Value	CheckDtl.AcctNo	Example "121500"
8	COMPANYID	Constant	<blank>	
9	TRANSAMT	FactorSoft Value	CheckDtl.Amt	Example "11315.04"
10	TRANSQTY	Constant	0	Always "0"
11	SCURNDEC	Constant	2	Always "2"
12	SCURNAMT	FactorSoft Value	CheckDtl.Amt	Same as Field 9 Example "11315.04"
13	HCURNCODE	FactorSoft Value	Accounts.CurrencyType	Currency of the AcctNo Example "USD"
14	RATETYPE	Constant	SP	Always "SP"
15	SCURNCODE	FactorSoft Value	Accounts.CurrencyType	Same as Field 13
16	RATEDATE	FactorSoft Value	CheckHdr.CheckDate	CCYYMMDD Example "20120201"
17	CONVRATE	Constant	1	Always "1"
18	RATESPREAD	Constant	0	Always "0"
19	DATEMTCHCD	Constant	0	Always "0"
20	RATEOPER	Constant	1	Always "1"
21	TRANSDISC	FactorSoft Value	Account.Descr	Descr of the CheckDtl AcctNo

Field #	Name	Type	Contents	Note/Example
				Example "Cash Reserves"
22	TRANSREF	Constant	<blank>	
23	TRANSDATE	FactorSoft Value	CheckHdr.CheckDate	Same as Field 16 (also CCYYMMDD) Example "20120201"
24	SRCELDGR	Constant	GL	Always "GL"
25	SRCETYPE	Constant	JE	Always "JE"
26	COMMENT	Constant	<blank>	
27	VALUES	Constant	0	Always "0"
28	PROCESSCMD	Constant	0	Always "0"

AmSouth Summary

System Preferences

The following system preferences for this export are found in the Administration module, System Preferences, **Identification/system constants**, Interface parameters, Amsouth export parameters folder.

Preference	Description
Company number	Enter the company number provided by the financial institution.
Cost center number	Enter the five-digit cost center number provided by the financial institution.
Cost center prefix number	Enter the one-digit cost center prefix number provided by the financial institution.
Use fixed header	Set to True to include fixed header report at the top of the export file.

File Layout

The AmSouth Summary G/L export is a fixed-length 180 byte file:

- All batches must balance debits to credits.
- Posting of any out of balance condition to an in-process account is handled outside of the export
- Transactions must be summarized by GL account, cost center, and debit/credit code.
- One date per batch.

Name	Pos	End	Len	Description
Header Record				
Batch Header	1	2	2	"B1" Constant
Company Number	3	6	4	'0' (constant) + company number
Application Code	7	8	2	"RB" Constant
Batch Number	9	10	2	Sequential Number of Batches
Data Type Code	11	11	1	"2" Constant
Batch Total	12	25	14	Total of Debits or Credits
Filler	26	26	1	Spaces
Effective Date	27	34	8	MMDDYYYY
SCG	35	35	1	"1" Constant
Filler	36	180	145	Spaces
Detail Record - Each company must have a separate batch. Cannot mix cost centers for different companies.				
Transaction Code	1	2	2	"PT" Constant
Filler	3	6	4	Spaces
Record ID	7	7	1	"1" Constant
Debit/Credit Code	8	9	2	"10" for Debit;"60" for Credit
Filler	10	22	13	Spaces
Account Number	23	31	9	GL Account Number
Filler	32	37	6	Spaces
Cost Center	38	43	6	'7' (constant) + 5 digit cost center

Name	Pos	End	Len	Description
Filler	44	61	18	Spaces
Transaction Amount	62	74	13	DR or CR Amount. Right-justified, zero-filled
Description	75	104	30	Transaction Description
Filler	105	180	76	Spaces

FIF3 File Layout

The FIF3 G/L Export option produces a text file of detail records only in the following format

Position	Contents	Note/Example
1 - 10	Account Number	10 digit, zero-filled
11 - 18	Check/Voucher Number	8 digit, zero-filled
19 - 21	Transaction Code	3 digit, zero-filled
22 - 33	Amount	12 digit, zero-filled, decimal implied
34 - 39	Date	6 digit, MMDDYY
40 - 43	Vendor Number	4 digit zero filled or blank
44	Frequency	1 digit: <ul style="list-style-type: none"> • 0 = one-time • 1 = monthly • 2 = quarterly • 3 = semiannually • 4 = annually • 5 = weekly • 6 = biweekly • 7 = bimonthly • 8 = twice monthly • 9 = daily

Position	Contents	Note/Example
45 - 48	Max Number of Transactions	4 digits or blank.
49 - 58	Item Address	10 digit, zero-filled, or blank
59 - 70	Filler	Blank
71 - 150	Transaction Description	Characters or blanks

FLEXI Accounting

The FLEXI Accounting G/L Export option produces a comma separated text file in the following format. The file is named in the G/L Export Facility **Export File** field, and has an extension of ".txt".

Header Record

The first line of the file is a journal header record that precedes the journal detail records. A sample is pictured below, followed by description of the fields utilized by FactorSoft:

```

1 H,FSIMPORT,, JOURNAL DESCRIPTION,20080331,,,,,7,USD,ACT,0,,,,01,1,0,0,0,,,,,
2 D,01100100010000000000,LINE DESCRIPTION,1000.00,0.0000,JNLREF1,JNLREF2,JNLREF3,,USD,,,,
3 D,01100202010000000000,LINE DESCRIPTION,-1000.00,0.0000,JNLREF1,JNLREF2,JNLREF3,,USD,,,,

```

Field Name	Description
HEADER RECORD INDICATOR	Header row identifier. Always "H".
FSIMPORT	Journal Code. Always "FSIMPORT".
FILLER	"," = one blank field
JOURNAL DESCRIPTION	Journal Description from Enter New check screen. Maximum 250 characters
TRANSACTION DATE	YYYYMMDD
FILLER	" ,,,, " = five blank fields
SUSPENSE CODE	Always "7"
CURRENCY CODE	Always "USD"
BALANCE CODE	Always "ACT"
FIXED LAYOUT	Always "0 ,,,, "

Field Name	Description
COMPANY CODE	Must match first two digits of account code in the "D" record
FIXED LAYOUT	Always "1,0,0,0,,,,,"

Invoice Detail Records

An invoice detail record is included for each invoice in the batch. A sample is pictured below, followed by description of the fields utilized by FactorSoft:

```

1 H,FSIMPORT,,JOURNAL DESCRIPTION,20080331,,,,,7,USD,ACT,0,,,,01,1,0,0,0,,,,,
2 D,01100100010000000000,LINE DESCRIPTION,1000.00,0.0000,JNLREF1,JNLREF2,JNLREF3,,USD,,,,
3 D,01100202010000000000,LINE DESCRIPTION,-1000.00,0.0000,JNLREF1,JNLREF2,JNLREF3,,USD,,,,

```

Field Name	Description
DETAIL RECORD INDICATOR	Detail row identifier. Always "D"
ACCOUNT NUMBER	FactorSoft Account Number relative to transaction. 20 digits maximum.
LINE DESCRIPTION	FactorSoft Account Description
AMOUNT	Journal amount with decimal positions, no commas. For credits, precede amount with minus sign
QUANTITY	whole number with decimal positions, typically "0.0000"
JNLREF1	30 character additional information field
JNLREF2	30 character additional information field
JNLREF3	30 character additional information field
FIXED LAYOUT	Always ",USD,,,,,"

JD Edwards Summary

The JD Edwards Summary export produces a Microsoft Excel file with the following data columns:

Column	Contents	Note/Example
A	Account Number	Account # from FactorSoft Account Table
B	Amount	Signed, decimals explicit. Ex. "-10979.39" or "867.5".

Column	Contents	Note/Example
C	Blank Column	Always blank.
D	FactorSoft Account Description	Description from FactorSoft Account Table
E	Blank Column	Always blank.
F	Blank Column	Always blank.

JD Edwards Detail

The JD Edwards Detail export produces a Microsoft Excel file named **FactorSoftXXCURMMDDYY**, where **FactorSoft** is constant, **XX** is a constant database indicator (if used, **XX** is replaced by two-character indicator; the database ID is set in System Preference **Identification/system constants, Interface parameters, JD Edwards G/L interface, Database ID**), **CUR** is the default currency code, and **MMDDYY** is the extract date. The file contains the following data columns:

Column	Contents	Note/Example
A	Account Number	/XX9999CUR, where XX is a constant database indicator (if used, XX is replaced by two-character indicator), 9999 is the Account # from FactorSoft Account Table, and CUR is the default currency code
B	Amount	Decimals explicit. Credits must be in parenthesis. Ex. "(10979.39)" or "867.5".
C	Blank Column	Always blank.
D	Blank Column	Always blank.
E	Blank Column	Always blank.
F	Blank Column	Always blank.
G	Client Name	Name from FactorSoft Client Information
H	Blank Column	Always blank.
I	Blank Column	Always blank.
J	Blank Column	Always blank.
K	Blank Column	Always blank.

Column	Contents	Note/Example
L	Blank Column	Always blank.
M	GL account description	Description from FactorSoft Account Table

MAS 90 Export

System Preferences

The following system preferences for this export are found in the Administration module, System Preferences, **Identification/system constants**, Interface parameters, Mas90 G/L interface folder.

Preference	Description
Reverse Export Debit/Credit Signs (+/-)	Set to True to reverse the positive and negative signs for credits and debits.

File Layout

The MAS 90 export produces a comma-separated ASCII text file (.csv extension) with the following data:

- Date
- Account Number
- Amount

Oracle Detail Accounting

System Preferences

The following system preferences for this export are found in the Administration module, System Preferences, **Identification/system constants**, Interface parameters, Oracle interface parameters folder.

Preference	Description
File path	Enter the fully qualified path to which to write the export file.
Account type	drop-down to select the account type, 1 - Actual Account, 2 - Statistical Account
Others	Enter the six-digit cost center prefix number provided by the financial institution.

Preference	Description
Transaction type	drop-down to select 1 - Normal, 2 - Accrual
Source Code	Enter 4 digit course code.
Show analysis code	Set to True to export the analysis code.
Show Full Account Number	Set to True and the system will display the full Account number in the export file (Character Limit: 30). Otherwise, if False , the system will truncate the Account number to 12 characters.

File Layout

Name	Len	Note
Code Ledger	2	<p>Populated dynamically by FactorSoft based on the location of the customer (not the currency):</p> <p>CE = US</p> <p>NH = CAD</p> <p>If anything else, then C\$</p>
Account Type	1	<p>Used to distinguish between statistical amounts and dollar.</p> <p>Always "\$"</p> <p>System Preference > Identification/system constants > Interface parameters > Oracle interface parameters > Account Type</p> <ul style="list-style-type: none"> • If Actual, then \$ • If Statistical, then # • If nothing, then " "
Transaction Type	1	<p>Set by System Preference > Identification/system constants > Interface parameters > Oracle interface parameters > Transaction type</p> <p>C = normal</p> <p>A = Accrual</p> <p>If Nothing, then " "</p>

Name	Len	Note
Journal ID	5	Always TFSFS
Check Date	8	Transaction date. YYYYMMDD.
Account #	12	Account number
Client Group: BLE	10	BLE is coded on Group Panel of the Client Information screen. US = CUSTFS00IP Canada = CCAC8CX26P The data in this field determines the value populated in the Code Ledger Column . IF BLE = : US then Code Ledger = CE CAD then Code Ledger = NH
Client Group: Client Type	5	From Office panel of Client information. CTFFS = SCABL CTFCT = Factoring
Account Number	12-30	Truncated Account Number, or full Account number, if allowed. System Preferences > Identification/system constants > Interface parameters > Oracle interface parameters > Show Full Account Number If False, then truncate account number to 12 digits If True, then show full account number to 30 digits
Analysis Code	11	Displays analysis code, if allowed. System Preferences > Identification/system constants > Interface parameters > Oracle interface parameters > Show Analysis Code If Cash account and not payout, then Check Source Table > Analysis Code If amount is greater than 0, then display zeros If amount = 0, and

Name	Len	Note
		If Cash account and not payout, then Check Source Table > Analysis Code If Pay by Method, then Accounts Table > Analysis Code If not a Cash Account, then display 000000
Others code	6	Always zeros System Preference > Identification/system constants > Interface parameters > Oracle interface parameters > Others
Debit/Credit Indicator	1	D = Debit C = Credit
Amount	15	Transaction Amount. Unsigned, implied decimal.
Currency Code	3	If Account starts with 99-, then Currency type from Accounts Table. Otherwise, the System default Currency type located at System Preferences > Identification/System Constants > System Constants > Native Currency USD = US dollar CAD = Canadian dollar
Transactions Description	33	FactorSoft internal transaction codes. Used to aid in identifying the nature of the transaction being posted.
Source Code	4	Set in System Preferences > Identification/system constants > Interface parameters > Oracle interface parameters > Source Code
Trailer	24	"Trailer" + ddmmyyyy + Record count in file + Currency code

Sample File

```

1 CE$CTFSFS20210804TESTBLE .....CTFCT22222222222222222222222222222222200000000000123456C000000000098000USDSchedule#2045.....aaaa
2 CE$CTFSFS20210804TESTBLE .....CTFCT11111111111111111111111111111100000000000123456D0000000000100000USDSchedule#2045.....aaaa
3 CE$CTFSFS20210804TESTBLE .....CTFCT333333333333333333333333333333300000000000123456C000000000010000USDSchedule#2045.....aaaa
4 CE$CTFSFS20210804TESTBLE .....CTFCT444444444444444444444444444400000000000123456C0000000000010000USDSchedule#2045.....aaaa
5 CE$CTFSFS20210804 .....10500000000000000123456C000000000050000USDAdvance#124.....aaaa
6 CE$CTFSFS20210804 .....POSETTLEMENT00000000000123456D000000000050000USDAdvance#124.....aaaa
7 CE$CTFSFS20210804 .....10500000000000000123456C000000000050000USDAdvance#127.....aaaa
8 CE$CTFSFS20210804 .....POSETTLEMENT00000000000123456D000000000050000USDAdvance#127.....aaaa
9 CE$CTFSFS20210804 .....10500000000000000123456C000000000079000USDSchedule#2039.....aaaa
10 CE$CTFSFS20210804 .....12500000000000000123456D0000000000100000USDSchedule#2039.....aaaa
11 CE$CTFSFS20210804 .....20500000000000000123456C000000000020000USDSchedule#2039.....aaaa
12 CE$CTFSFS20210804 .....415000000000000123456C0000000000010000USDSchedule#2039.....aaaa
13 CE$CTFSFS20210804 .....POINTINTEREST00000000000123456C0000000000050000USDSchedule#2039.....aaaa
14 CE$CTFSFS20210804 .....POSETTLEMENT00000000000123456D000000000050000USDSchedule#2039.....aaaa
15 CE$CTFSFS20210804 .....105000000000000123456C000000000050000USDAdvance#102.....aaaa
16 CE$CTFSFS20210804 .....POSETTLEMENT00000000000123456D000000000050000USDAdvance#102.....aaaa

```



QuickBooks G/L Interface with FactorSoft

To use the QuickBooks interface, set System Preference Identification/system constants, Interface parameters, QuickBooks interface parameters and set the following preferences:

System Preferences	Description
Generate separate files for each office	<p>Set to True to create a separate G/L export for each office represented in the extract.</p> <p>For Pro/Premier 2008+ This option produces the same output as the QuickBooks Pro 2005 export, and does not include client/payee records. QuickBooks will, by default, create any uploaded payee as an entity of the type "Other" and put them in the "Other Names" list.</p>
Include description with account number	Set to True to include the account description, defined on the Account Table for the account, along with the account number in the extract file.
Include office as class in QB 2005 export	Set to True to include the office for the journal as OFFICE in the QB 2005 and QuickBooks 2008+ extract files.
Include payee records (2005/2008+ only)	<p>Select the option for sending payee records.</p> <p>Pro/Premier 2008+ versions of QuickBooks place a greater hierarchical importance on entities (Customers and Vendors, for example) than on accounts and transactions. As a result, importing an IIF file creates an entity for any name listed in the IIF file. If no instructions are provided to classify the entity, QuickBooks will import them as "Other" entities and hold them in the "Other Names List" for further classification (e.g. as a Customer or a Vendor) by the QuickBooks user.</p> <p>The following three options for sending payees to QuickBooks are provided:</p>

System Preferences	Description
	<ul style="list-style-type: none"> • Do not include payee records in export: produces the same output as the QuickBooks Pro 2005 export, and does not include client/payee records. QuickBooks will, by default, create any uploaded payee as an entity of the type "Other" and put them in the "Other Names" list. • Include payees as QB customers: produces a file that is the same as QuickBooks Pro 2005 export, and includes client/payee records as QuickBooks "Customers". Each transaction record set is preceded by the !CUST block. QuickBooks will upload payees to the QuickBooks Customer Center. • Include payees as QB vendors: produces a file that is the same as QuickBooks Pro 2005 export, and includes client/payee records as QuickBooks "Vendors". Each transaction record set is preceded by the !VEND block. QuickBooks will upload payees to the QuickBooks Vendor Center.

Initial QuickBooks Interface Testing

QuickBooks must match the entire Account Name (spelling spaces etc.) with Accounts from outside systems like FactorSoft. There is no easy way to do this.

If you generate a test file from FactorSoft and import it into QuickBooks, you will see the exact Names that are generated. The problem is that these new accounts will receive default account types that cannot be changed in QuickBooks.

Jack Henry™ recommends the following:

1. Export a test file from FactorSoft.
2. Import the file to a Test QuickBooks Company.
3. Copy the names of the Accounts into the production QuickBooks company manually, entering the account names, but specify the correct account types (Bank, Income, etc.). See the Notes pertaining to Account Types below:
4. Backup your production QuickBooks company database.
5. Run a test import of the FactorSoft data to make sure it applies to the correct accounts.
6. Restore and repeat until you are comfortable with the way it works.
7. If you create new accounts in FactorSoft, you must make sure these are defined in QuickBooks before the next export/import.

Additional Notes Concerning QuickBooks Pro/Premier 2008+ versions

Account Types

Pro/Premier 2008+ versions of QuickBooks have introduced specialized types of Accounts, including Accounts Receivable (A/R) and Accounts Payable (A/P) account types. The account types provide very specific functionality. A/R account types are primarily for producing invoices to customers, while A/P account types are primarily for entering bills to be paid to vendors.

QuickBooks Chart of Accounts Set Up

Following QuickBooks' set up assistant or Q&A guides to set up a chart of accounts may result in QuickBooks setting up your Accounts Receivable G/L account as an A/R account type and your Escrow and Cash Reserves as A/P accounts. If this happens, QuickBooks will not allow accounts to be changed from/to AR or AP account types. Therefore, you should set up the QuickBooks G/L Accounts Receivables account as an account type of "Asset" or "Other Asset" and Escrow/Cash Reserve accounts as "Liability" or "Other Liability." By doing this, the Intuit Interchange Format (IIF) file created by FactorSoft will import directly.

If your QuickBooks chart of accounts includes A/R or A/P account types, you will not be able to import the IIF file created by FactorSoft to your QuickBooks company file.

Split Transactions

It is also important to understand that a split transaction cannot reference both an A/R and an A/P account type as is common in this industry (e.g., a purchase transactions as A/R, whereas reserves are escrowed or cash reserves are returned/held as A/P) whether imported or entered directly in QuickBooks.

QuickBooks Online Work File

This G/L Export format was designed for FactorSoft lenders who import their files into Quickbooks Online. Quickbooks Online does not provide a direct import, so a third party importer must be used to import the file into the online Quickbooks database.

The QuickBooks Online Work File export produces a Microsoft Excel file with the following data columns:

Column	Contents	Description
A	ENTRY#	FactorSoft generated, QuickBooks required reference number.
B	DATE	The transaction date.
C	TRNSTYPE	Transaction type code: DEPOSIT for credit, CHECK for debit, or GENERAL JOURNAL for non-cash transactions.
D	ACCNT	The Account # from the FactorSoft Account Table.
E	AMOUNT	Signed, decimals explicit. Ex. "-10979.39" or "867.5".
F	NAME	The payor or payee name.
G	MEMO	The transaction description.
H	CLASS	Blank or "CLMS/FactorSoft Office" depending on system preference for "Include office as class in QB 2005 export"
I	DOCNUM	The check number or other document identification.

Sage 100 ERP Export

System Preferences

The following system preferences for this export are found in the Administration module, System Preferences, **Identification/system constants**, Interface parameters, Sage100 G/L interface folder.

Preference	Description
Exclude this client group	Enter a Client Group to exclude from the Sage 100 Export. The group must have been previously set up in the Client Group Table in the Tables module.
Exclude this client	Enter a Value to exclude from the Sage 100 Export. The Value must have been pre-

Preference	Description
value	viously set up for a Client Group in the Client Group Table in the Tables module.
Reverse Export Debit/Credit Signs (+/-)	Set to True to reverse the positive and negative signs for credits and debits.

File Layout

The Sage 100 export produces a comma-separated ASCII text file (.csv extension) with the following data:

- Date
- Account Number
- Amount
- Source
- Reference
- Check Number
- Payee

Simply Accounting

The Simply Account G/L Export format produces a comma-delimited text file. For each transaction there is a header line and detail lines for each accounting entry. The formation of the file is illustrated and described below:

Field Name	Description
Transaction Header Line	
Transaction Date	Month-day-year format, separated by hyphens or slashes. Ex: October 14, 2014 would be entered as 10/14/14.
Source	The source of the transaction, typically check number. The source identification can be up to thirteen characters and must be enclosed in straight quotation marks (" ").
Comment	Transaction description. The comment can be up to 39 characters and must be enclosed in straight quotation marks (" ").

Field Name	Description
Detail Lines	
Account Number	Four characters.
Amount	No commas, must contain decimal point and two decimal positions. Debits are entered as positive amounts, credits as negative amounts.

Example

```

simply.txt - Notepad
File Edit Format View Help
5/19/2011,"123654","Reserve Release"
1004,-900.00
2040,1000.00
1118,-100.00
5/19/2011,"156","Schedule#17"
1004,-755.00
1020,1000.00
2612,-20.00
4098,-200.00
4080,-25.00
5/19/2011,"260","Payment Cash Report#26"
1004,100.00
1020,-100.00
4098,20.00
2040,-20.00
4/19/2011,"603","Loan#112224 payout"

```



Export Module

FactorSoft offers a variety of options for exporting financial data for record-keeping and reporting purposes, as well as for use with other enterprise applications.

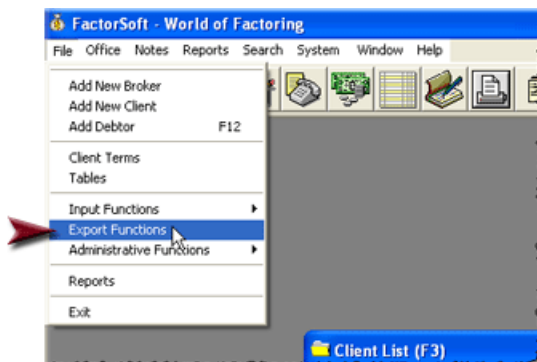
The Export module allows data to be exported from FactorSoft into a variety of standard formats, for use with credit agencies, accounting applications, or to transfer between clients. The **Export** module is accessed from the main FactorSoft **File > Export Functions** menu:

- [Credit](#)
- [EDI](#)
- [Other](#)
- [Enterprise Data Extract](#)

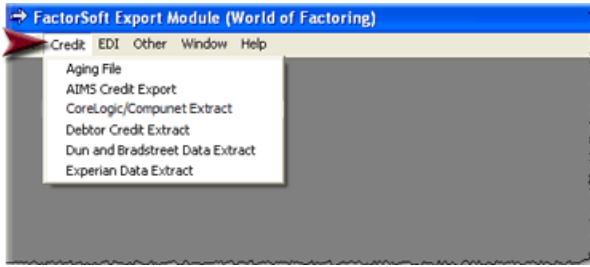
Exporting Credit Data

FactorSoft contains credit-related export functions, such as file exports for AIMS, Compunet, and Dun & Bradstreet credit reporting services. Credit Export options also allow you to create a flat file containing the contact and credit information for each of the debtors and in some cases to create a flat file of invoices to purchase to be exported for refinancing.

To open the Export module, click **Export Functions** in the **File** menu.



In the Export module, select **Credit** menu to access the credit export options:



NOTE

System Preferences for the Export Interfaces allow you to define basic specifications for how and where your data is formatted for each specific application.

The System Preferences Identification/System Constants folder, Interface Parameters subfolder contains interface parameters for specific applications/systems, allowing you to customize the data interface between FactorSoft and third-party applications.

Export Aging File

The Aging File function creates an export file that contains all open invoices sorted by Debtor within client. The Export Aging File screen is accessed from the Credit menu of the Export module.

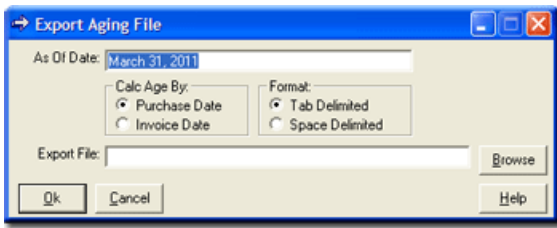
Click the link for the [export aging file](#) layout.

To create an Aging File:

1. In the Export module, select Aging File from the Export module Credit menu.

The Export Aging File Screen opens.

2. Complete the screen options, as described below:



Field	Description
As Of Date	Enter the date from which you want to calculate aging.
Calc Age By	Select the desired option for calculating aging. <ul style="list-style-type: none"> • Purchase Date: calculate aging from purchase date • Invoice Date: calculate aging from invoice date
Format	Select the output option for the export file. <ul style="list-style-type: none"> • Tab Delimited: create the Export Aging File as a tab-delimited ASCII text file. The fields in the output file are separated in each row by a tab character. This format is intended for use with database and spreadsheet programs that are able to read data in a delimited format • Space Delimited: create the Export Aging File as a space-delimited ASCII text file. The output file contains fixed-length fields
Export File	Enter the path and File Name for the Export Aging file. You can use any file name you wish, although you should always retain the ".TXT" file extension.
Ok	Click this button to generate the file.
Cancel	Click this button to close the screen.

3. Click OK to generate the file.

As the file is being created, the Aging Report screen shows the progress of the export.

Aging File Layout

The file created by the Export Aging Extract contains the following data:

Description	Column Header Name	Comments
File Heading Rows – the first rows indicate the Lender and Date option selected		
Lender	N/A	The first line in the file contains the Lender Name configured in System Preferences in FactorSoft.
By	N/A	The second line in the file indicates Calc Age By option selected. Purchase Date – Aging calculated from purchase date Invoice Date – Aging calculated from invoice date
Client Heading Rows – each Client record is preceded by a client heading:		
Client	N/A	The client name and client number (in parenthesis following the name)
As-of	N/A	The as-of date of the report
Client/Debtor Records – each client/debtor relationship is preceded by a heading row (indicated by the Debtor name) followed by invoice-level aging detail and a Debtor total line:		
Debtor	N/A	The debtor name and debtor number (in parenthesis following the name)

Description	Column Header Name	Comments
Invoice	InvNo	Invoice number
	InvDate	Invoice date
	PurDate	Purchase date
	Sched	Schedule or Batch number
	Amount	Invoice amount
	Balance	Outstanding balance
	Age	Invoice age
	Current	Current invoice balance
	31-60	Invoice balance 31 to 60 days past due
	61-90	Invoice balance 61-90 days past due
	Over90	Invoice balance over 90 days past due
Debtor Total	Balance	Debtor total outstanding balance
	Current	Debtor total current invoice balance
	31-60	Debtor total invoice balance 31 to 60 days past due
	61-90	Debtor total invoice balance 61-90 days past due
	Over90	Debtor total invoice balance over 90 days past due
File Grand Total Row		
Final Total	Balance	File total outstanding balance

AIMS Export

The AIMS® (Apparel Information Management System®) credit file export allows the customer/debtor to transmit requests for credit to the lender. The lender then transmits response files back to the customer/debtor's AIMS system. The customer/debtor can transmit invoices for purchase from AIMS back to the lender.

See the Import Guide for the AIMS Request File, or AIMS Invoice Import file layouts.

AIMS Credit Response Export

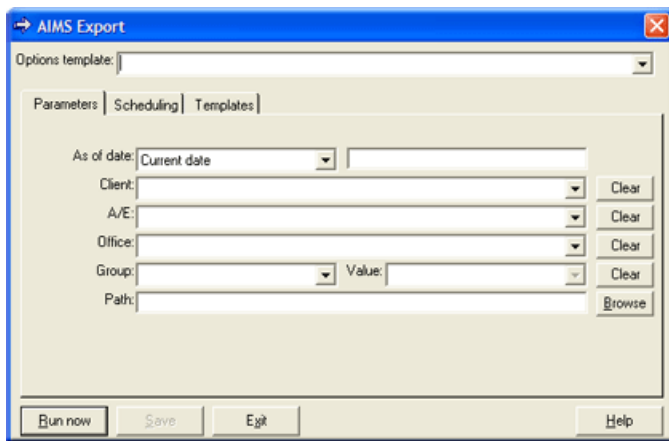
Credit requests imported in the AIMS file are worked by the lender in the Manage Credit Request screen in FactorSoft. The credit responses are transmitted back to AIMS Credit Export, which is accessed from the File menu, Export, Credit, AIMS Credit Export, and sent to the lender's customer.

You can enter the desired As-of Date, Client, and other selection criteria on the AIMS Export screen and then click Run Now to create an AIMS Export file manually. Alternately, you can schedule the AIMS Export service to run periodically via the Task Scheduler.

To schedule the an AIMS Export, set up the AIMS Export as described below:

1. In the Export module, select AIMS Credit Export from the Export module Credit menu.

The AIMS Export Screen opens:



2. Enter the template name in the **Options Template** field.

TIP

Use the criteria fields on the Parameters tab to limit the selection as desired.

Field	Description
Option Template	Lists any export template created to date. Select a template from the list to generate an export file based on its saved parameters. Type a new Options template name and click Save to create a new template for this export, then Select the template from the Templates tab and make any applicable parameter and scheduling selections to complete the template.

Parameters Tab

Field	Description
As of date	<p>Select date through which to calculate aging from the list:</p> <ul style="list-style-type: none"> • Current date • Previous month-end date • Specific date <p>If Specific date is selected, enter the date through which to report in the adjacent field.</p>
Client	Select the client to which to limit the AIMS export from the list. Click Clear to remove the selection. Leaving this field blank will include all clients in the export.
A/E	Select the account executive to which to limit the AIMS export from the list. Click Clear to remove the selection. Leaving this field blank will include all account executives in the export.
Office	Select the office to which to limit the AIMS export from the list. Click Clear to remove the selection. Leaving this field blank will include all offices in the export.
Group	Select the client group to which to limit the export file results from the list. Client Groups are defined in the Group Code Table. Click Clear to remove the selection.
Value	Select the specific client group value to which to limit the export file results from the list. Client Groups are defined in the Group Code Table. Click Clear to remove the selection.
Path	Enter the Path to which to write the export file. Click the Browse button to open a browser screen to navigate and automatically display the path.
Run now	Click this button to generate the export file immediately.
Save	Click this button to save the template name.
Exit	Click this button to close the screen.

3. Enter the **Path** to which to write the export file.
4. Click the **Save** button to save the template name.

A confirmation message appears. Click **OK** to clear the message.

TIP

Use the Templates tab to select the newly created template, and the Scheduling tab to set the interval at which the AIMS Export is polled to be processed.

5. Select the Templates tab.
6. Select the template from the list and click the **Select** button.
7. Select the Scheduling tab.
8. In the **Repeat Interval** group, select the desired interval option and specify the frequency (where applicable) at which the AIMS Export is polled to be processed.
9. Click **Save**.

The AIMS response file is generated. See AIMS Response File for more details.

Scheduling Tab

Click here for the [Scheduler tab](#) description.

Templates Tab

Click here for the [Templates tab](#) description.

System Preferences

The following system preferences for this export are found in the Administration module, System Preferences, **Data entry behavior**, **Purchase import** folder.

Preference	Description
Client Reference refers to debtor code	The AIMS files use the universal debtor number instead of the client reference number. Set this preference to the appropriate value to use the universal debtor number:

Preference	Description
	<ul style="list-style-type: none"> • Always client reference number - this value is the default • Always debtor code • Determined on Client Information Screen - the value is determined on the Purchase Terms panel of the Client Information window. <p>If Determined on Client Information screen is entered, the On input, use debtor code instead of client reference check box is available on the Purchase Terms panel of the Client information screen.</p> <p>In addition, the client reference number always displays on the debtor import. If this system preference is defined to use the debtor code or if the On input, use debtor code instead of client reference check box is selected on the Purchase Terms panel of the Client Information screen, the debtor code and the client reference number displays.</p>

AIMS Credit Response Layout

The AIMS response file is a fixed length flat file that must have the file extension “.AMR”. The file format is:

Field	Start	Length	Comments
Client Code	1	13	Lender-assigned client code (same in all records)
AIMS Account Code	14	10	Customer’s AIMS account code. This field is left-justified.
AIMS Order Number	24	15	Must match the AIMS Order Number in the credit request
Session Number	39	6	Not used
Approval Code	45	6	Approval code set by lender in the FactorSoft Approve/Deny Credit Request screen. This code is the first two characters in the description of the code in the FactorSoft Dispute Code Table.
Approval Amount	51	11	9(9)V99 (11 digits overall, left zero-filled, two implied decimal positions) This must match the order amount in the credit request
Status	62	1	Status code:

Field	Start	Length	Comments
			<ul style="list-style-type: none"> • A = Approved • D = Declined • H = Hold • R = Referred • S = SOA • V = Void
Delivery Date	63	6	Not used by AIMS
Customer P/O number	69	15	Not used by AIMS
Reason Code	84	2	Not used by AIMS
Remarks	86	60	Not used by AIMS. This field is populated from the Comments entered on the Approve/Deny Credit request screen.
Filler	146	55	Spaces
Record Length		200	

CoreLogic/CompuNet™ Extract

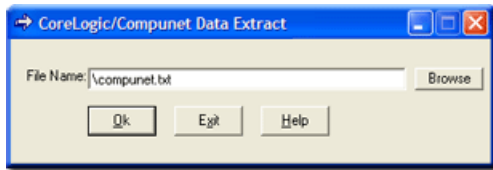
The CoreLogic/CompuNet Credit Report contains transportation-specific credit information for the trucking industry, combining data from freight payment histories, average days-to-pay, cross-referencing of business names, credit references and public information such as liens and judgment. You can create a data extract from FactorSoft for export to Core/Logic/CompuNet using the FactorSoft Export module's Core/Logic/CompuNet Extract option.

Click the links for the [CoreLogic/CompuNet](#) file layout.

To create the CoreLogic/CompuNet data extract:

1. In the FactorSoft Export module, select **CoreLogic/Compunet Extract** from the Export module Credit menu.

The CoreLogic/Compunet Data Extract screen opens, as shown below:



2. Click **Browse** and navigate to the folder location where the CoreLogic/CompuNet extract file is to be written.

The folder location is set to the folder to which the extract file was previously written by default.

3. Complete the **File Name** field, as described below:

Field	Description
File Name	Enter the File Name for the CoreLogic/CompuNet extract file. The File Name is compunet.txt by default. You can change the file to any name you wish, although you should always retain the ".TXT" file extension.
OK	Click this button to execute the CoreLogic/CompuNet data extract.
Exit	Click this button to close the screen.

4. Click **OK** to execute the CoreLogic/CompuNet data extract.

System Preferences

The following system preferences for this export are found in the Administration module, **System Preferences, Identification/system constants, Interface parameters** folder.

Preference	Description
Export only debtors with motor carrier numbers	Set to True to exclude any debtors that do not have a motor carrier number set from being included in the CoreLogic/Compunet Extract file.

CoreLogic/Compunet Extract File Layout

The CoreLogic/CompuNet extract file is a plain text report containing the following data for each client:

Position	Length	Comments
1	50	Account debtor name
51	50	City or province
101	2	State code
103	10	Postal Code
113	15	Telephone number
128	6	Motor carrier number
134	10	Date signed
144	12	Maximum invoice amount
156	20	Terms
176	10	Average days to pay
186	10	Total balance
196	10	Past due balance
206	10	Date of oldest invoice
216	10	Date of newest invoice
226	10	Date of last invoice
236	10	Number of invoices processed
246	50	Client name

Debtor Credit Export

The Debtor Credit Extract allows you to create a flat file containing the contact and credit information for each of the debtors in FactorSoft.

Currently, this option is used to create an extract file to Smyyth Group Service's credit reporting service.

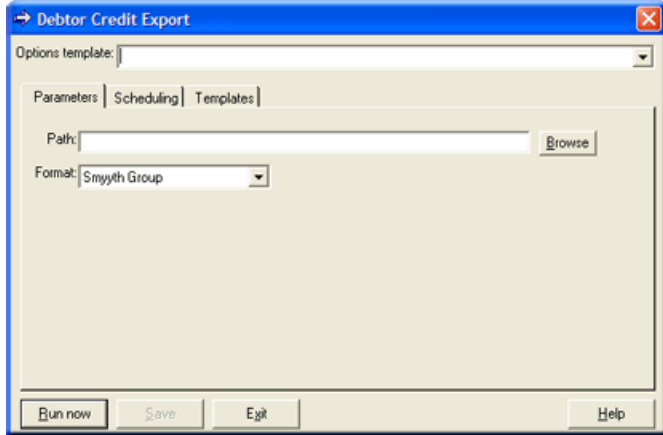
Click the links for the [FN Credit Exchange](#) or [Smyyth Group Debtor Extract](#) file layout.

1. In the Export module, select **Debtor Credit Extract** from the Credit menu.

The Debtor Credit Export screen opens.

NOTE

You can either run the extract manually or you can schedule the Debtor Extract service to run periodically via the Task Scheduler. The remaining instructions describe creating a template to schedule the service. To run the report manually, follow steps 2 through 4, and then click Run now.



2. Enter the template name in the **Option Templates** field.
3. Complete the Parameters tab, as described below:

Field	Description
Option Template	Lists any export template created to date. Select a template from the list to generate an export file based on its saved parameters. Type a new Options template name and click Save to create a new template for this export, then Select the template from the Templates tab and make any applicable parameter and scheduling selections to complete the template.

Parameters Tab

Field	Description
Path	Enter the Path to which to write the export file. Click the Browse button to open a browser screen to navigate and automatically display the path.
Format	Select the output format to be created:

Field	Description
	<ul style="list-style-type: none"> • FN Credit Exchange • Smyyth Group

4. Click the **Save** button to save the template name.

A confirmation message appears. Click **OK** to clear the message.

NOTE

Use the Templates tab to select the newly created template, and the Scheduling tab to set the interval at which the FactorSoft Task Processor polls for AIMS Exports to be processed.

5. Select the Templates tab.

6. Select the template from the list and click the **Select** button.

7. Select the Scheduling tab.

8. In the **Repeat Interval** group, select the desired interval option and specify the frequency (where applicable) that the event is polled on behalf of this template.

9. Click **Save**.

Scheduling Tab

Click here for the [Scheduler tab](#) description.

Templates Tab

Click here for the [Templates tab](#) description.

Smyyth Group Debtor Extract File Layout

The Smyyth Group extract file is a plain text file with fixed-length field formats, containing the following data for each debtor selected:

Position	Length	Comments
1	50	Debtor name
51	50	Filler
101	60	Debtor address line 1

Position	Length	Comments
161	60	Debtor address line 2
221	40	Debtor address city
261	40	Debtor address state
301	9	Debtor address ZIP Code
310	2	Debtor address country code
312	9	Debtor D&B DUNS number
321	20	Debtor primary phone number
341	20	Debtor code
361	10	Date reported (format = MM/DD/CCYY)
371	4	Trade group id
375	9	Trade provider id
384	9	High credit amount
393	9	Total receivables amount
402	9	Current receivables amount
411	9	Past due total amount
420	9	Past due 1 - 30 days amount
429	9	Past due 31 - 60 days amount
438	9	Past due 61 - 90 days amount
447	9	Past due 91 - 120 days amount
456	30	Filler
486	4	Debtor DSO
490	2	Years sold
492	5	Last sold date (format = MM/YY)
497	2	Filler

Position	Length	Comments
499	8	Debtor SIC
507	100	Filler

FN Credit Exchange Extract File Layout

When the FN Credit Exchange export is executed, the export file is written to the specified directory. The FN Credit Exchange file is a non-delimited comma-separated file with a ".TXT" file extension. The file contains the following data elements:

Element	Description
Debtor #	Customer/Debtor Code
Name	Customer/Debtor Name
Tax ID	Customer/Debtor Tax Identification Number
Phone	Customer/Debtor Primary Phone Number
Fax	Customer/Debtor Fax Phone Number
Address1	Customer/Debtor Address Line 1
Address2	Customer/Debtor Address Line 2
City	Customer/Debtor Address City
State	Customer/Debtor Address State
Zip	Customer/Debtor Address ZIP/Postal Code
Country	Customer/Debtor Address Country
Attention	Customer/Debtor Attention Contact
MailAddr1	Customer/Debtor Alternate Mailing Address Line 1
MailAddr2	Customer/Debtor Alternate Mailing Address Line 2
MailCity	Customer/Debtor Alternate Mailing Address City
MailState	Customer/Debtor Alternate Mailing Address State
MailZIP	Customer/Debtor Alternate Mailing Address ZIP/Postal Code
MailCountry	Customer/Debtor Alternate Mailing Address Country

Element	Description
~1-15	1-15 A/R Balance
~16-30	16-30 A/R Balance
~31-45	31-45 A/R Balance
~46-60	46-60 A/R Balance
~61-75	61-75 A/R Balance
~76-90	76-90 A/R Balance
91+	A/R Balance Over 91 days old

Dun & Bradstreet Data Extract

The Dun & Bradstreet Extract creates a flat file containing contact and credit information for selected clients within a specified date range, and this file can be submitted to Dun & Bradstreet for analysis.

Click the link for the [D&B](#) and [Experience Reporting](#) file elements.

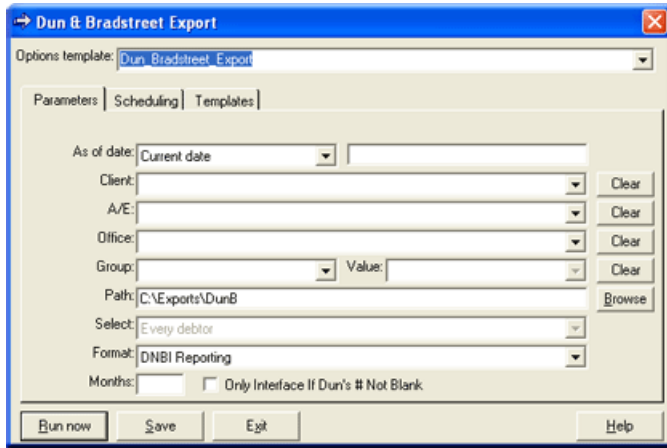
1. In FactorSoft, select **Dun and Bradstreet Data Extract** from the Credit menu.

The Dun & Bradstreet Export screen opens.

NOTE

You can either run the extract manually or you can schedule the D&B Extract service to run periodically via the Task Scheduler. The remaining instructions describe creating a template to schedule the service. To run the report manually, follow steps 2 through 4, and then click Run now.

2. Enter the template name in the **Options Template** field.



3. On the Parameters tab, complete the selection criteria to:

- Include the desired records in the extract.
- Click Browse and navigate to the folder location where the Dun & Bradstreet extract file is to be written.

The folder location is set to the folder to which the extract file was previously written by default. The file name for the D&B extract is DB_CCYYMMDD.txt where CCYYMMDD is the current FactorSoft Processing date.

- Select the Format for the data extract.

Field	Description
Option Template	Lists any export template created to date. Select a template from the list to generate an export file based on its saved parameters. Type a new Options template name and click Save to create a new template for this

Field	Description
	export, then Select the template from the Templates tab and make any applicable parameter and scheduling selections to complete the template.

Parameters Tab

Field	Description
As of date	Select the date to use for the records to include in the data extract from the list: <ul style="list-style-type: none"> • Current date: select records through the current FactorSoft processing date. • Previous month-end date: select records through the previous month-end date. • Specific date: If this option is selected, enter the date through which to select data in the adjacent field.
Client	Select the client to which to limit the data selection from the list. Click Clear to remove the selection. Leaving this field blank will include all clients in the results.
AE	Select the account executive to which to limit the data selection from the list. Click Clear to remove the selection. Leaving this field blank will include all account executives in the results.
Office	Select the office to which to limit the data selection from the list. Click Clear to remove the selection. Leaving this field blank will include all offices in the results.
Group	Select the client group to which to limit data selection from the list. Client Groups are defined in the Group Code Table. Click Clear to remove the selection.
Value	Select the specific client group value to which to limit data selection from the list. Client Groups are defined in the Group Code Table. Click Clear to remove the selection.
Path	Enter the folder location to which the export file will be written. To navigate to the folder location using a file browser window, click the Browse button.
Select	For the Experience Reporting format, select the debtor option to determine the debtors to be included in the data extract:

Field	Description
	<ul style="list-style-type: none"> • Every debtor • Every debtor that had a purchase against it in the last X months – enter the number of months in Months. • Every debtor with a balance – For the DNBI Reporting format the Select field is set to Every debtor by default and is not available for update.
Format	Select the format option to determine the data extract to be created: <ul style="list-style-type: none"> • DNBi Reporting (Standard) • DNBi Reporting (without Aging) • Experience Reporting
Months	For the Experience Reporting format, with the Select method of Every debtor that has had a purchase against it in the last X months , enter the number of months in the past to look for purchases to include a debtor in the extract.
Only Interface If Dun's # Not Blank	Select this option to exclude any debtors that do not have the D&B D-U-N-S field completed on the Credit Information panel of the Customer/Debtor Information screen .
Run now	Click this button to generate the export file immediately.
Save	Click this button to save the template name.
Exit	Click this button to close the screen.

4. Click the **Save** button to save the template name.

A confirmation message appears. Click OK to clear the message.

NOTE

Use the Templates tab to select the newly created template, and the Scheduling tab to set the interval at which the FactorSoft Task Processor polls for the D&B Extracts to be processed.

5. Select the Templates tab.
6. Select the template from the list and click the **Select** button.
7. Select the Scheduling tab.
8. In the **Repeat Interval** group, select the desired interval option and specify the frequency (where applicable) that the event is polled on behalf of this template.
9. Click **Save**.

Scheduling Tab

Click here for the [Scheduler tab](#) description.

Templates Tab

Click here for the [Templates tab](#) description.

DNBI Data Extract File Elements

The DNBI extract file is a tab-delimited file with a “.TXT” file extension. It contains one record for each FactorSoft Customer/Debtor record. The file contains the following data elements:

Description	Column Header Name
Internal FactorSoft Debtor Key	DEBTORKEY
Customer/Debtor Code	DEBTORCODE
Customer/Debtor Name	DEBTORNAME
Customer/Debtor Address Line 1	ADDRESS1
Customer/Debtor Address Line 2	ADDRESS2
Customer/Debtor Address City	CITY

Description	Column Header Name
Customer/Debtor Address State	STATE
Customer/Debtor Address ZIP Code	ZIP
Customer/Debtor Phone Number	PHONE
Customer/Debtor FAX Phone Number	FAX
Current Total A/R Balance	TOTALCURRENTAR
A/R Balance 1-30 days old	AR 1-30
A/R Balance 31-60 days old	AR 31-60
A/R Balance 61-90 days old	AR 61-90
A/R Balance 91-120 days old	AR 91-120
A/R Balance over 120 days old	AR 120+
Lender Name (set in System Preferences)	DBIDENTIFIER

Experience Reporting Data Extract File Elements

The Experience Reporting extract file is a tab-delimited file with a ".TXT" file extension. It contains one record for each FactorSoft Client/Debtor relationship. The file contains the following data elements:

Description	Column Header Name
Customer/Debtor Number	DEBTORNO
Customer/Debtor Name	DEBTORNAME
Customer/Debtor Street Address	STREET
Customer/Debtor Address City	CITY
Customer/Debtor Address State	STATE
Customer/Debtor Address ZIP	ZIP
Customer/Debtor Phone Number	PHONE
High Credit Amount	HIGHCREDIT

Description	Column Header Name
Current AR Total	TOTALAR
Current AR Past Due	PASTDUE
Average Days to Pay	WEIGHTEDDAYS
Date of Last Sale	LASTSALEDATE
D&B D-U-N-S Number	DUNSNUMBER

DNBi Data Import

A Dun and Bradstreet data import can be used in conjunction with the Dun and Bradstreet Credit File Export. For each outbound file, D&B prepares a return file that imports additional debtor credit data for debtors that have been uploaded to D&B in the contribution file export. This import will automatically update the following fields on the Credit D&B panel of the Debtor Information screen:

- Net worth
- D-U-N-S Number
- Paydex
- Credit Score
- Stress Score

The Folder_Monitor_Imports task must be enabled in the Engine for this interface. This task monitors the folder specified in System Preference Identification/system constants, Interface parameters, DNBi Import, Folder to watch at the interval specified in System Preference **Identification/system constants**, Interface parameters, DNBi Import, Frequency, and imports the data when available.

When the import has been successfully performed, a Processed sub-folder is created in the landing folder, and the import file is moved to the Processed folder. The imported debtor data is displayed on the Credit D&B panel of the Debtor Information screen. See the [Credit D&B panel](#) of the Debtor Information screen for details.

You can also create a spreadsheet showing the selected data from the DNBi import. In the Reports module, select [DNBi Spreadsheet](#) in the Debtor menu to open the Generate DNBi Spreadsheet screen.

EDI Menu – Export Module

The EDI Menu contains export options for payment and credit request exports.

Click the links below to see the reports available in the EDI Menu:

- [EDI 210 Freight Payment Requests](#)
- [EDI 870 Credit Requests](#)

EDI 210 – Freight Payment Requests

The EDI 210 Freight Payment Requests export is used in FactorSoft for electronic billing, and is typically used by a provider to request payment from a debtor or a third-party payment service. Requirements for successfully processing EDI 210 exports include:

- Set up of a Payment Service in the Tables. See [Payment Services Table](#) for details.
- Assign the Payment Service to a Debtor or Relationship. Once the Payment Service is defined, it is available in the Data Entry module and the Export module.

Sender and Receiver Qualifiers and IDs

Sender and Receiver Qualifiers and IDs are mutually agreed-upon between the company sending the information and the company receiving the data. Before any processing can take place, these qualifiers and IDs must be agreed upon, as they are a required part of each electronic data transmission

Invoices Subject to Payment Services

EDI 210 Data Entry

The EDI 210 format requires data not normally captured in FactorSoft. The Data Entry module, opened from the Office menu of the FactorSoft Desktop, is used to capture the additional data required for EDI 210 exports.

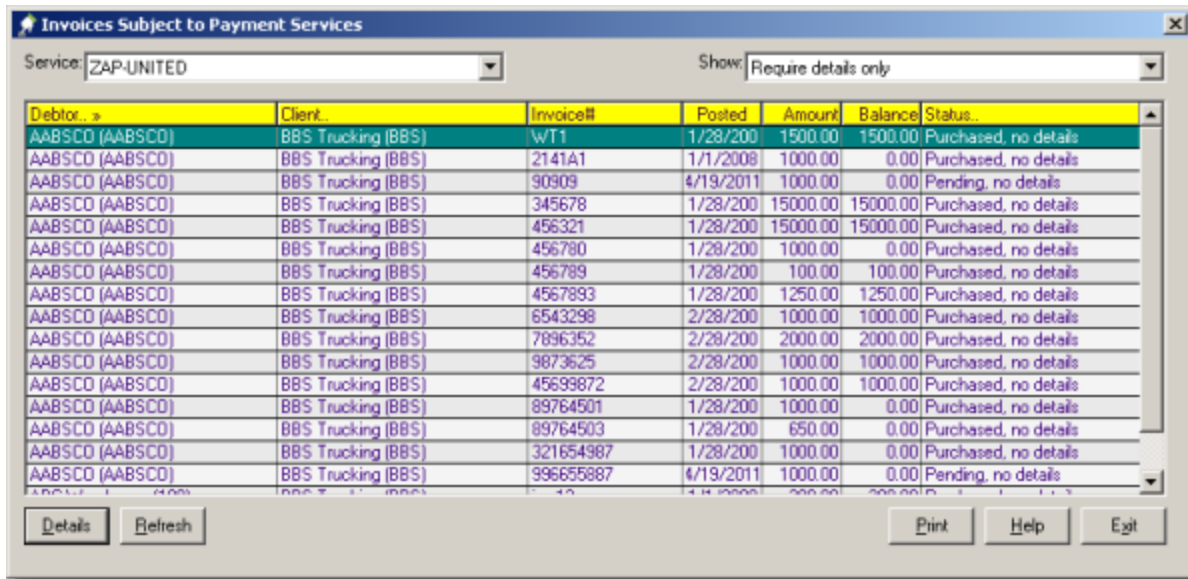
In the Data Entry module, select Detail Entry from the Invoices menu, to open the Invoices Subject to Payment Services screen.

The Invoices Subject to Payment Services screen displays the invoices that are eligible to be transmitted via the EDI 210 remote payment service. Invoices are included in this list if the payment service is set for the debtor on the Collections panel of the Debtor Information screen, or if the payment service is set for the client/debtor relationship on the Credit/No Buy panel of the Debtor Aging screen.

NOTE

Payment services are defined in the Payment Services Table in the Tables module. Refer to the FactorSoft Administrators Guide for details.

This screen is accessed from the Invoices menu of the Data Entry module and is used to access the Create New Invoice Detail screen for these invoices to provide bill of lading and other line-item information required by the EDI 210 format and/or the remote payment service.



Field	Subject
Service	Select the third-party payment service for which to display invoices. The third-party payment services are set up in the Payment Services Table in FactorSoft.
Show	Select the filter that determines the invoices displayed in the grid: <ul style="list-style-type: none"> • Require details only • Sent invoices, not paid • Purchased invoices, not sent • Purchased/Pending invoices, not sent
(Grid)	Displays the invoices for the selected payment service that are available to be updated with invoice details for electronic transmission.

Field	Subject
	<ul style="list-style-type: none"> • Debtor: the debtor name associated with the invoice • Client: the client name associated with the invoice • Invoice#: the invoice number • Posted: the transaction posted date for the purchase • Amount: the invoice amount • Balance: the outstanding balance on the invoice • Status: the invoice status for payment services transmission
Details	Select an invoice line item and click this button to open the View/Update Invoice Detail screen for the invoice.
Refresh	Click this button to update the information in the grid.
Print	Not used.
Exit	Click this button to close the screen.

Create New Invoice Detail

The Create New Invoice Detail screen is used to add detail to the invoices to be exported via EDI 210 Export File. The upper window contains the client, debtor and invoice number and amount. The invoice detail entry is performed from the three tabs: Fixed Elements, Entities, and Line Items. To learn more about these tabs, see the following:

- [Fixed Elements](#)
- [Entities](#)
- [Line Items](#)

Field	Subject
Client	Displays the client name and code associated with the invoice.
Debtor	Displays the debtor name and code associated with the invoice.
Invoice#	Displays the invoice number.
Amount	Select an invoice line item and click this button to open the View/Update Invoice Detail screen for the invoice.
Create	Click this button to add the invoice details for the invoice.
Print	Not used.
Exit	Click this button to close the screen.

EDI 210 Invoice Detail Fixed Elements Tab

This tab contains fields that complete invoice detail information for the EDI 210 B3 and L3 segments. This data can appear only once for each invoice.

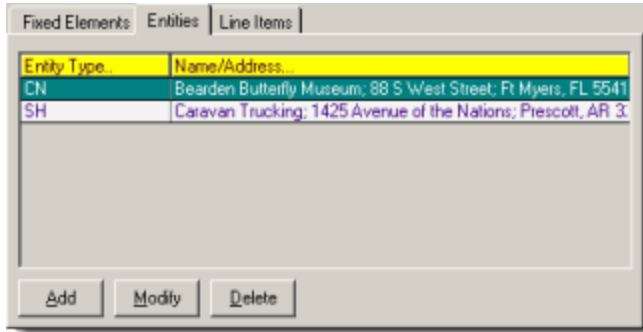
Fixed Elements	Entities	Line Items
Ship Date:	<input type="text"/>	Invoice Date: November 28, 2008
Delivery Date:	<input type="text"/>	Post Date: November 28, 2008
Weight:	<input type="text"/>	Lading Quantity: <input type="text"/>
Weight Type:	Gross	Weight Unit Code: Pounds

Field	Subject
Ship Date	Enter the shipment date, which is passed in element B312 in the EDI210 file. This is a date format field, YYYYMMDD.
Delivery Date	Enter the delivery date, which is passed in element B309 in the EDI210 file. This is a date format field, YYYYMMDD.
Weight	Enter the total weight, which is passed in element L301 in the EDI210 file. This is a maximum 10 position numeric field.
Weight Type	Enter the weight type indicator, which is passed in element L302 in the EDI210 file. <ul style="list-style-type: none"> • Gross • Actual
Invoice Date	Enter the invoice date, which is passed in element B306 in the EDI210 file.
Post Date	Enter the invoice post date, which is passed in element B312 in the EDI210 file.
Lading Quantity	Enter the quantity of goods associated with the invoice, which is passed in element L311 in the EDI210 file.
Weight Unit Code	Select the weight unit code, which is passed on element B305 in the EDI210 file. This field is only used if goods are rated by weight. <ul style="list-style-type: none"> • Pounds • Kilograms

Invoice Detail Entities Tab

This tab is used to enter the name and address data for the entities involved in shipment of the goods (shipper, consignee, pick up locations, etc.). Minimally a simple shipment from point A to point B would

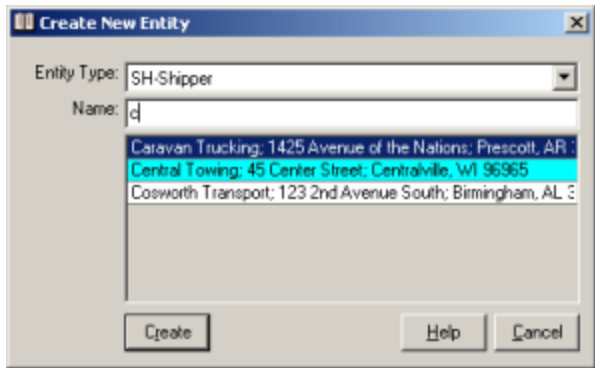
have two N record sets (see the EDI 210 Spec) – one for Shipper-(SH) and one for the delivery point, or Consignee-(CN). A multi-stop shipment could have many Additional Pick-up (AN) N Groups, etc.



Field	Subject
Grid	Displays each entity defined for the invoice as a line-item with the following data: <ul style="list-style-type: none"> Entity type: the entity type code Name/Address: the entity name and address information.
Add	Click this button to open the Create New Entity screen to add a new entity segment for the invoice.
Modify	Select an entity line-item and click this button to open the Modify Existing Entity screen to update an existing entity segment for the invoice.
Delete	Select an entity line-item and click this button to delete an existing entity segment for the invoice.

Create New Entity Dialog

This screen is used to create the entity type and name elements for the NI segment of the EDI 210 file for this invoice.



Field	Subject
Entity Type	<p>Select the entity type, which is passed in element N101:</p> <p>SH = Shipper</p> <p>CN = Consignee</p> <p>PR = Payer</p> <p>SF = Ship From</p> <p>AB = Additional Pick Up</p>
Name	<p>Enter a character (number or letter) or combination of characters to display the vendor names beginning with that character or combination of characters in the adjacent pick list. Vendors are created in the FactorSoft desktop on the Vendor Table screen, which is accessed from Office, Vendor List.</p> <p>Entities selected here create N segment records for the appropriate Entity Type when the EDI 210 file is generated. The fields passed (if present in Vendor record) are:</p> <ul style="list-style-type: none"> • Entity Name - N102 (required) • Entity Street Address 1 - N301 (required) • Entity Street Address - N302 (optional) • Entity City - N401 (required) • Entity State/Province - N402 (required) • Entity ZIP/Postal Code - N403 (required)
Create	Click this button to add the entity record for the invoice.
Cancel	Click this button to close the screen and abandon any unsaved changes.

Invoice Detail Line Items Tab

This tab is used to enter the Bill of Lading line items associated with the invoice. These fields compose the L segment line item charge details, which consist of a series of LX, L5, L0, L1, and L7 records.

Line	Description	Qty	Weight	Amount
1	Widgets	36	3600.00	252.00
2	Wheels	6	5400.00	528.00
3	Tools	3	3.00	720.00

Add Modify Delete

Field	Subject
Grid	<p>Displays each line-item charge detail as a line-item with the following data:</p> <ul style="list-style-type: none"> • Line: the line number • Description: the line-item description • Qty: the quantity for the line item • Weight: the weight of the line item • Amount: the total amount of the line item.
Add	Click this button to open the Create New Line screen to create a new Bill of Lading line item for the invoice.
Modify	Select a line-item and click this button to open the Modify Existing Line screen to update an existing Bill of Lading line item for the invoice for the invoice.
Delete	Select a line-item and click this button to delete an existing Bill of Lading line-item for the invoice.

Create New Line

This screen is used to create the Bill of Lading line item elements, which can occur up to 99 times for an invoice. Note that the total of the line item charges must match the invoice total amount.

Field	Subject
Line#	The Bill of Lading line number, which is passed in element LX01, L501, L001, L101, and L701 in the EDI 210 file.
Description	The line description, which is passed in element L502 in the EDI 210 file.
Mileage	The delivery mileage, which is passed in element L002 in the EDI 210 file
Weight	The delivery weight, which is passed in element L004 in the EDI 210 file.
Lading Qty	The quantity of the line-item, which is passed in element L008 in the EDI 210 file.
Freight	The freight unit rate amount, which is passed in element L102 in the EDI 210 file.
Total Charge	The total line charge amount, which is passed in element L104 in the EDI 210 file.
Unit Rate Qualifier Code	Select the unit rate qualifier code that qualifies the freight unit rate amount. This code is passed in element L103 in the EDI 210 file.
Create	Click this button to save the line-item for the invoice.
Cancel	Click this button to close the screen and abandon any unsaved changes.

EDI 210 Freight Payment Requests

Exporting the EDI 210 File

The EDI 210 Format is used for electronic billing—e.g. a provider sends an EDI 210 to request payment from a debtor or a third-party payment service. It is known as a Payment Request (sometimes a Freight Payment Request).

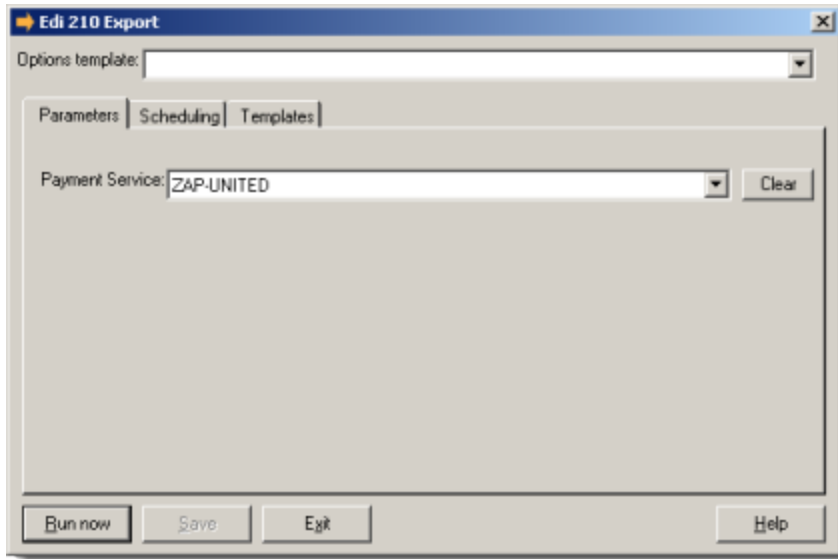
As with all EDI formats, certain options within FactorSoft must be set up in order to use the functionality:

- Security. To set up the Payment Service Table and associate that with a Debtor (or relationship), a user must have that security role. All users that will send the EDI export must have the security role to do so.
- Set up of a Payment Service in the Tables
- Assign the Payment Service to a Debtor or Relationship

Once the Payment Service is defined, it is available in the Data Entry module and the Export module. The Detail Entry window (found under **Office, Data Entry, Invoices**) is used to supply bill of lading and other line item information required by the EDI 210 format and/or the remote payment service. Once the invoice detail is entered, the invoices are ready for the EDI 210 export process in the Export module.

To export the EDI 210 File, open the Export module from the FactorSoft Desktop File Menu. In the Exports module, Select **EDI 210 Freight Payment Requests** from the EDI menu.

The EDI 210 Export can be run on demand, or can be scheduled to create export files in a specified location at predetermined times.



Field	Description
Option Template	Lists any export template created to date. Select a template from the list to generate an export file based on its saved parameters. Type a new Options template name and click Save to create a new template for this export, then Select the template from the Templates tab and make any applicable parameter and scheduling selections to complete the template.

Parameters Tab

Field	Description
Payment Service	Select the payment service code for which to create the EDI210 Freight Payment Request export. Payment services available in this list are defined in the Payment Services Table.
Run now	Click this button to generate the export file immediately.
Save	Click this button to save the template name.
Exit	Click this button to close the screen.

Scheduling Tab

Click here for the [Scheduler tab](#) description.

Templates Tab

Click here for the [Templates tab](#) description.

EDI 210 Specification

The EDI 210 Format is used for electronic billing—e.g. a provider sends an EDI 210 to request payment from a debtor or a third-party payment service. It is known as a Payment Request (sometimes a Freight Payment Request).

Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
ISA - Interchange Control Header - exactly one per file						
ISA01	Authorization Info. Qualifier	ID	M	F	'00'	Always '00'
ISA02	Authorization Information	AN	M	F		Always 10 spaces
ISA03	Security Info. Qualifier	ID	M	F	'00'	Always '00'
ISA04	Security Information	AN	M	F		Always 10 spaces
ISA05	Interchange ID Qualifier	ID	M	F	ISA05 from FactorSoft Payment Services Table	2
ISA06	Interchange Sender ID	AN	M	F	ISA06 from FactorSoft Payment Services Table	HCKW
ISA07	Interchange ID Qualifier	ID	M	F	'01'	Typically '01'
ISA08	Interchange Receiver	AN	M	F		

Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
	ID					
ISA09	Interchange Date	DT	M	V	File Date	YYMMDD
ISA10	Interchange Time	TM	M	V	File Time	HHMM
ISA11	Interchange Control Standard ID	ID	M	F	'U'	U representing U.S. EDI community
ISA12	Interchange Version #	ID	M	F	00401	Always '00401'. Standard issued as ANSI X12, 4010
ISA13	Interchange Control #	NO	M	V	Unique File ID	Repeated in IEA02
ISA14	Acknowledgment Requested	ID	M	F	'0'	'0' to represent that acknowledgment is requested
ISA15	Usage Indicator	ID	M	V	'T' or 'P'	Test or Production
ISA16	Component Element Separator	AN	M	F	'>'	">" will be the agreed on character
GS - Functional Group Header - exactly one per file						
GS01	Functional Identifier Code	ID	M	F	'IM'	'IM' Motor carrier freight details and invoice (210)
GS02	Application Sender's Code	AN	M	F	GS02 from FactorSoft Payment Services Table	Same as ISA06
GS03	Application Receiver's Code	AN	M	F	GS03 from FactorSoft Payment Services Table	Dictated by the receiving payment service.

Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
GS04	Date	DT	M	V	File Date	YYYYMMDD
GS05	Time	TM	M	V	File Time	HHMM
GS06	Group Control Number	NO	M	V	Unique ID for the Group Section	
GS07	Responsible Agency Code	ID	M	F	'X'	Always 'X' to indicate Accredited standards committee X12
GS08	Ver/Release/Industry ID Code	AN	M	F	'004010'	Always '004010'
ST - Transaction Set Header - exactly one per file						
ST01	Transaction set ID code	ID	M	F	'210'	
ST02	Transaction set control number	AN	M	V	Unique ID for the Transaction Set	Repeated in SE02
B3 - Beginning Segment for Carrier's Invoice - one record for each invoice						
B301	Shipment Qualifier	ID	O	F	Null	
B302	Invoice Number	AN	M	V	FactorSoft Invoice Number	Carrier Invoice Number
B303	Shipment ID Number	AN	O	V	FactorSoft BOL or Reference #	Bill of Lading number
B304	Shipment Method of Payment	ID	M	F	'CC'	'CC' = Collect 'PP' = Prepaid 'TP' = 3rd party Always col-

Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
						lections, so this field is treated as a fixed field with the contents of 'CC'
B305	Weight Unit Code	ID	O	V	If keyed by FactorSoft user, an L or a K will be sent to represent shipment weight in Lbs or Kg	L = Pounds K = Kilograms used only if rated by weight
B306	Invoice Date	DT	M	V	FactorSoft Invoice Date	
B307	Net Amount Due	N2	M	V	FactorSoft Total Invoice Amount, or balance due if resending and B308 is set to 'BD'	
B308	Correction Indicator	ID	O	V	Blank if first transmission. 'BD' if this is a retransmission for a Balance Due	
B309	Delivery Date	DT	O	V	Delivery Date	YYYYMMDD
B310	Date Time Qualifier	ID	O	F	Null	
B311	Standard Carrier Alpha Code	ID	M	V	ISA06 from Payment Services Table	

Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
B312	Date	DT	O	F	Ship Date as captured by FactorSoft user	YYYYMMDD
C3 - Currency - one record for each invoice						
C301	Currency Code	ID	M	V	FactorSoft ISO Currency code of Carrier Invoice	CAD = Canadian USD = U.S.
N9 - Reference Number - one record for each invoice						
N901	Reference Number Qualifier	ID	M	F	'BM'	A constant BM to indicate that the reference number transmitted in N902 will be a Bill of Lading #
N902	Reference Identification	AN	C	V	FactorSoft BOL or Reference #	The Reference ID as captured and as qualified in N901. Same as B303
N903	Free Form Description	AN	O	F	Null	Not used
N904	Date	DT	O	F	Null	Not used
N1 - Name - minimally one N1/N3/N4 record set per shipper or one set each for Shipper and Consignee. If multiple stops for the invoice are included, all stops must be represented by an N1/N3/N4 record set.						
N101	Entity Identifier Code	ID	M	V	Code of SH, CN, PR, SF, or AB in new detail screen	SH=Shipper CN=Consignee PR=Payer SF=Ship From



Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
						AB=Additional Pick Up Address These must be coded by FactorSoft based on info captured by data entry
N102	Name	AN	M	V	The Entity's Name for which the N3 and N4 info that follows pertains	
N103	ID Code Qualifier	ID	C	F	Null	
N104	ID Code	AN	C	F	Null	
N3 - Address Information - see notes for N1						
N301	Address Information	AN	M	V	Street Address in detail screen	Street Address information of the Entity from the preceding N1 record and the N3 record that follows
N302	Address Information	AN	M	V	Street Address in detail screen	Street Address information of the Entity from the preceding N1 record and the N3 record that follows
N4 - Geographic Location - see notes for N1						

Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
N401	City name	AN	M	V	City	City Name of Entity from preceding N1 and N3 records
N402	State / Province code	ID	M	V	State or Province	State or Province of Entity from preceding N1 and N3 records
N403	ZIP / Postal Code	ID	M	V	Zip or Postal Code	ZIP or Postal Code of Entity from preceding N1 and N3 records
<p>LX - Assigned Number - line item charge details consists of a series of LX, L5, L0, L1, and L7 records. There is a line item charge detail series for each detail line charge captured in FactorSoft from the BOL.</p>						
LX01	Assigned Number	NO	M	V	Sequential ID for this charge set	Sequential for each set of L record sets to follow. This number restarts for each carrier invoice.
<p>L5 - Description, Marks, and Numbers - see note for LX record</p>						
L501	Lading Line Item Number	NO	C	V	Sequential ID for this charge set	Same as LX01 for each distinct set
L502	Lading Description	AN	O	V	Charge Description	The Lading Description. Examples are 3RD PARTY for a third party charge or FUEL SURCHARGE, etc.

Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
L503	Commodity Code	AN	C	F	Null	Not used
L504	Commodity Code Qualifier	ID	C	F	Null	Not used
L0 - Line Item - Quantity and Weight - see note for LX record						
L001	Lading Line Item Number	NO	C	V	Sequential ID for this charge set	Sequential for each set of L record sets to follow. This number restarts for each carrier invoice.
L002	Billed Rate as Qty	NO	C	V	Mileage	Mileage is transmitted here if captured
L003	Billed Rate as Qualifier	AN	C	F	DM	If Mileage is transmitted in L002, this field must be DM.
L004	Weight	NO	C	F	Weight	
L005	Weight Qualifier	ID	C	F	'N' for Actual or 'G' for Gross weight	'N' = Actual Weight 'G' = Gross weight
L006	Volume	NO	C	F	Null	Not Used
L007	Volume Qualifier	ID	C	F	Null	Not Used
L008	Lading Quantity	NO	C	V	Quantity	
L009	Packaging Form Code	ID	C	V		
L010	Weight Units	ID	C	V	Weight Unit	Optional Unless there is a weight in L004

Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
L1 - Rate and Charges - see note for LX record						
L101	Lading Line Item Number	NO	C	V	Sequential ID for this charge set	Sequential for each set of L record sets to follow. This number restarts for each carrier invoice.
L102	Freight Rate	R	C	V	Freight Rate	The rate for this line item
L103	Rate/Value Qualifier	ID	C	V	Charge Type	PU - Per Unit PC - Per Car PW - Percentage CT - Charge Based on Percentage PM - Per Miles MN - Minimum Charge FR - Flate Rate Also see X12 data element dictionary
L104	Charge	N2	C	V	Charge Amount	This is the total charge amount for this line item
L105	Advances	N2	C	F	Null	Not Used
L106	Prepaid Amount	N2	C	F	Null	Not Used
L107	Spec Charge/Allow Code	ID	C	V	Null	See Chart

Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
L108	Special Charge Description	ID	C	F	Null	See Chart
L117	Billed/ Rated-as Quantity	NO	C	F	Null	Not Used
L118	Billed/ Rated-as Qualifier	ID	C	F	Null	Not Used
L7 - Tariff Reference - see note for LX record						
L701	Lading Line Item Number	NO	C	V	Null	Not Shown
L702	Tariff Agency Code	ID	O	V	Null	Not Shown
L703	Tariff Number	AN	O	V	Null	Not Shown
L704	Tariff Section	AN	O	V	Null	Not Shown
L705	Tariff Item Number	AN	O	V	Null	Not Shown
L3 - Total Weight and Charges for the BOL - 1 per invoice. The L3 record is mandatory and although it looks as if it belongs with the L Group, it does not.						
L301	Weight	R	C	V	Weight	
L302	Weight Qualifier	ID	C	V	'N' for Actual or 'G' for Gross weight as designated by detail input	'N' = Actual Weight 'G' = Gross weight
L303	Freight Rate	R	C	F		Not Used
L304	Rate/Value Qualifier	ID	C	F		Not Used
L305	Charge	N2	O	V	Charge for this lading item	
L306	Charge for this lading item	N2	O	F		Not Used

Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
L307	Prepaid Amount	N2	O	F		Not Used
L308	Spec Charge/Allow Code	ID	O	F		Not Used
L309		ID	O	F		Not Used
L310		ID	O	F		Not Used
L311	Lading Quantity	ID	O		Quantity	
SE - Transaction Set Trailer - exactly 1 per file						
SE01	Number of included segments	NO	M	V	Number of lines in the Transaction Set	This is the total number of line elements included in the Transaction Set inclusive of the ST and SE records
SE02	Transaction set control no.	AN	M	V	Unique ID for the Transaction Set	Must be the same as ST02
GE - Functional Group Trailer - exactly 1 per file						
GE01	Number of transaction set	NO	M	V	The number of ST records in the file	This is the number of transaction sets (or ST records) in the file.
GE02	Group control no.	NO	M	V	Unique ID for the Group Section	Must be the same as GS06
IEA - Interchange Control Trailer - exactly 1 per file						
IEA01	Number of Functional Groups	NO	M	F	'1'	Number of Functional Groups (or GS records) in the

Element Code	Element Name	Element Type	Man or Opt?	Fix or Var?	Content	Description
						file. Always be '1'
IEA02	Interchange Control Number	NO	M	V	Unique File ID	Must be the same as ISA13

EDI 870 Credit Request Decision

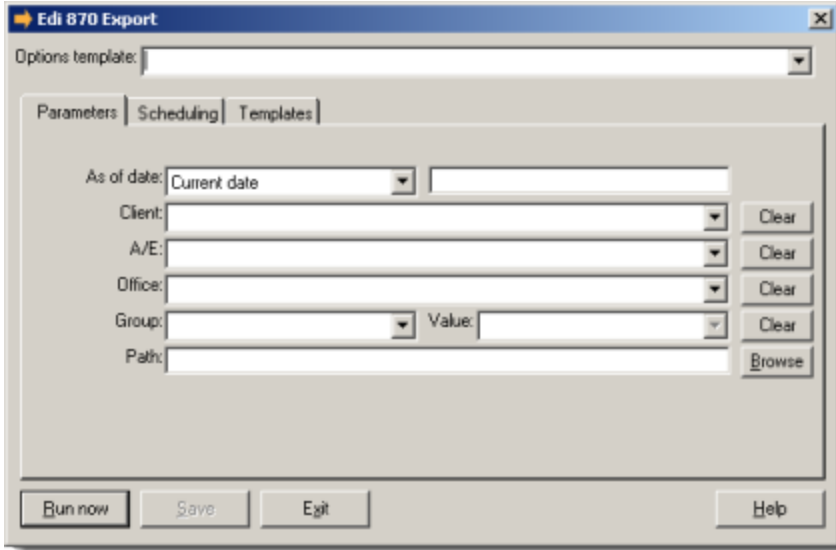
The EDI 870 reply file is used to acknowledge credit request status and decision. The file returns the credit decision on each order submitted using an EDI 850 Credit Order. It is possible that more than one order per record is sent on successive days, if multiple actions occur on the request prior to the final action. For example, if an order is Pending or Held on day one and then approved on day two, there would be an 870 returned for this request on day one with a status of 'H', and an 870 returned on day two with a status of 'A' to indicate the final action of Approval. The status of the order is exported daily until a final action of "Approved," "Declined," or "Approved Within Line" is returned.

The EDI 870 Export is generated from the Export module.

EDI 870 Export Screen

The EDI 870 Export screen is accessed from the EDI menu of the Export module. This screen allows you to create EDI 870 Credit Request Decision export files, which are used to acknowledge EDI 850 incoming Credit Request files.

The EDI 870 export can be run at will, or can be scheduled to create export files in a specified location at predetermined times. When the EDI 870 export is run, the system checks for EDI 850 files, and for every EDI 850 Credit Request, creates an acknowledgment of that request. If there are no EDI 850 files, then no responses are created.



Field	Description
Option Template	Lists any export template created to date. Select a template from the list to generate an export file based on its saved parameters. Type a new Options template name and click Save to create a new template for this export, then Select the template from the Templates tab and make any applicable parameter and scheduling selections to complete the template.

Parameters Tab

Field	Description
As of date	Select date through which to select credit request reply records to export: <ul style="list-style-type: none"> • Current date • Previous month-end date • Specific date If Specific date is selected, enter the date through which to report in the adjacent field.
Client	Select the client to which to limit the credit request reply export from the list. Click Clear to remove the selection. Leaving this field blank will include all clients in the export.
A/E	Select the account executive to which to limit the credit request reply

Field	Description
	export from the list. Click Clear to remove the selection. Leaving this field blank will include all account executives in the export.
Office	Select the office to which to limit the credit request reply export from the list. Click Clear to remove the selection. Leaving this field blank will include all offices in the export.
Group	Select the client group to which to limit the export file results from the list. Client Groups are defined in the Group Code Table. Click Clear to remove the selection.
Value	Select the specific client group value to which to limit the export file results from the list. Client Groups are defined in the Group Code Table. Click Clear to remove the selection.
Path	Enter the Path to which to write the export file. Click the Browse button to open a browser screen to navigate and automatically display the path.
Run now	Click this button to generate the export file immediately.
Save	Click this button to save the template name.
Exit	Click this button to close the screen.

Scheduling Tab

Click here for the [Scheduler tab](#) description.

Templates Tab

Click here for the [Templates tab](#) description.

System Preferences

The following system preferences for this function are found in the Administration module, System Preferences, **Identification/system constants, Interface parameters, EDI import/export** folder.

Note that The EDI Receiver identifier is defined in the **EDI identify** field on the Identity panel of the Client Information screen .

Preference	Description
EDI identifier	Enter the EDI sender identifier for exported EDI files. This preference is required to create valid EDI export files.

EDI 870 Credit Request Reply Specification

The EDI 870 Credit Request Reply transaction set contains the following segments:

- One header consisting of ISA and GS segments
- One to many body segments, representing invoice detail records, that consist of ST, BSR, REF (3), NI and SE segments
- One trailer consisting of GE and IEA segments

See the segment descriptions and examples below for details.

Header Segments

Element Code	Element Name	Description
ISA - Interchange Control Header - exactly one per file		
ISA01	Authorization Info. Qualifier	00
ISA02	Authorization Information	10 Blanks
ISA03	Security Info. Qualifier	00
ISA04	Security Information	10 Blanks
ISA05	Interchange Sender Qualifier	01 = DUNS Number
ISA06	Interchange Sender ID	DUNS number
ISA07	Interchange Receiver Qualifier	ZZ
ISA08	Interchange Receiver ID	'NNNNNNNNNN' – production
ISA09	Interchange Date	System-generated, YYMMDD.
ISA10	Interchange Time	System-generated, HHMM.
ISA11	Interchange Control Standard ID	U representing U.S. EDI community
ISA12	Interchange Version #	Always '00401'. Standard issued as ANSI X12
ISA13	Interchange Control #	Unique File ID, system-generated, 9 digit, sequential
ISA14	Acknowledgment Requested	'0' to represent that acknowledgment is requested

Element Code	Element Name	Description
ISA15	Usage Indicator	Test or Production
ISA16	Component Element Separator	"<' will be the agreed on character
GS - Functional Group Header - exactly one per file		
GS01	Functional Identifier Code	'PO'
GS02	Application Sender's Code	Same as ISA06
GS03	Application Receiver's Code	Same as ISA08
GS04	Date	System-generated, CCYYMMDD
GS05	Time	System-generated, HHMM
GS06	Group Control Number	Same as ISA13
GS07	Responsible Agency Code	Always 'X' to indicate Accredited standards committee X12
GS08	Ver/Release/Industry ID Code	Always '004010'

Body Segments

Element Code	Element Name	Man or Opt?	Content
ST - Transaction Set Header - one per invoice			
ST01	Transaction set ID code	M	'870'
ST02	Transaction set control number	M	Unique ID for the Transaction Set
BSR - Beginning Segment for Status Reply			
BSR01	Transaction Set Purpose	O	Not used
BSR02	Order/Item Code	M	AO
BSR03	Reference Number	M	Client control/request number
BSR04	Date	M	Date Request was received

Element Code	Element Name	Man or Opt?	Content
BSR08	Reference Number	M	Client Number
REF -- Reference Identification - Client Number			
REF01	Reference Qualifier	M	OE = Client Number.
REF02	Reference Number	M	Client Number. 6 Characters, alphanumeric
REF -- Reference Identification - Order Decision Code			
REF01	Reference Qualifier	M	ZZ = Line Requested Amount.
REF02	Reference Number	M	Line Requested Amount. 10 Digits, right-aligned, zero-padded
REF -- Reference Identification - Order Decision Code			
REF01	Reference Qualifier	M	ZY = Order Decision.
REF02	Reference Number	M	Order Decision Code: H = Pending/Held A = Approved or Approved within Line D = Declined S = Single Order Approval (SOA)
REF -- Reference Identification - Request Number			
REF01	Reference Qualifier	M	AY = Request Number
REF02	Reference Number	M	Request Number, nine digits, zero padded
N1 - Name - Client			
N101	Entity Identifier Code	M	BY = Client
N102	Name	M	Client Number
N103	ID Code Qualifier	M	93
N104	ID Code	M	Customer account number
SE - Transaction Set Trailer - one per invoice			

Element Code	Element Name	Man or Opt?	Content
SE01	Number of included segments	M	Number of lines in the Transaction Set
SE02	Transaction set control number	M	Unique ID for the Transaction Set

Trailer Segments

Element Code	Element Name	Content
GE - Functional Group Trailer - exactly 1 per file		
GE01	Number of transaction sets	The number of ST records in the file. Numeric, six characters, zero-padded
GE02	Group control no.	Unique ID for the Group Section. Numeric, nine characters
IEA - Interchange Control Trailer - exactly 1 per file		
IEA01	Number of Functional Groups	Numeric, six characters
IEA02	Interchange Control Number	Unique File ID. Numeric, nine characters

EDI 870 Example

The following example EDI 870 shows the contents of a file containing four credit responses.

ISA*00* *00* *01*123456789*ZZ*987654321*000000000*050201*0945*U*00401*000000221*0*P* GS*RS*123456789*987654321*20050201*0945*000000221*X*004010<	Header Lines
ST*870*0001< BSR* 3*AO*018273*050131***0000034587< REF*ZZ*000209700< REF*ZZ*A< REF*AY*002649< N1*BY*0000034587*93*FAS246< SE*12*0001<	Response #1

ST*870*0002< BSR* 3*AO*018274*050131***0000034587< REF*ZZ*000200000< REF*ZZ*D< REF*AY*002816< N1*BY*0000034587*93*CFMJ63< SE*12*0002<	Response #2
ST*870*0003< BSR* 3*AO*018275*050131***0000034587< REF*ZZ*0040000000< REF*ZZ*D< REF*AY*003112< N1*BY*0000034587*93*KMART01< SE*12*0003<	Response #3
ST*870*0004< BSR* 3*AO*018276*050131***0000034587< REF*ZZ*0000001000< REF*ZZ*K< REF*AY*003142< N1*BY*0000034587*93*LTJT01< SE*12*0004<	Response #4
GE*000004*000000221< IEA*00001*000000221<	Trailer Lines

Other Menu – Export Module

The Other Menu provides options for exporting data detail account entries for use with a variety of accounting software applications, as well as transferring data from one client to another.

Click the links below to see the reports available in the Other Menu:

- [Aquent Export](#)
- [Chargeback Export](#)
- [G/L Export Facility](#)
- [Payment Export](#)
- [Recovery Systems Export](#)
- [Refund Disbursement](#)
- [Transfer Data](#)
- [OFAC Export](#)

Aquent Export

The Aquent Export function allows the export of data for the Aquent Financial system.

This report allows the user to print a summary of the Cash posted for a given date range.

Field	Description
Options Template	Lists any option template created to date. Select a template from the list to generate a file based on its saved display parameters. Type a new Option template name and click Save to create a new template for this option, then Select the template from the Templates tab and make any applicable parameter and scheduling selections to complete the template.

Parameters Tab

Use the Parameters tab to specify the option's selection criteria.

Field	Description
Date range	Select the date range to use for the data from the list: <ul style="list-style-type: none"> - Last month - Current month-to-date - Year thru last month date - Current year to date - Specific date range

Field	Description
	If the Specific date range option is selected, enter the beginning and ending dates of the date range to which to limit the data in the adjacent fields.
Client	Select the client to which to limit the report results from the list. Click Clear to remove the selection. Leaving this field blank will include all clients in the results.
AE	Select the Account Executive to which to limit the results, or leave this field blank to include all AE's.
Office	Select the office (as defined in the Office Table) for which this report is to be generated. Click Clear to remove the selection.
Client Group	Select the client group (as defined in the Group Code Table) for which this report is to be generated. Click Clear to remove the selection.
Value	Select the client group's value (as defined in the Group Code Table) for which this report is to be generated. Click Clear to remove the selection.
Path	Enter the path to which the Aquent export file will be written. Click Browse to open a browser window that you can use to navigate to the export location.
Run now	Click this button to produce the Aquent Export file for the selected criteria.
Save	Click this button to save the template settings.
Exit	Click this button to close the screen.

Scheduling Tab

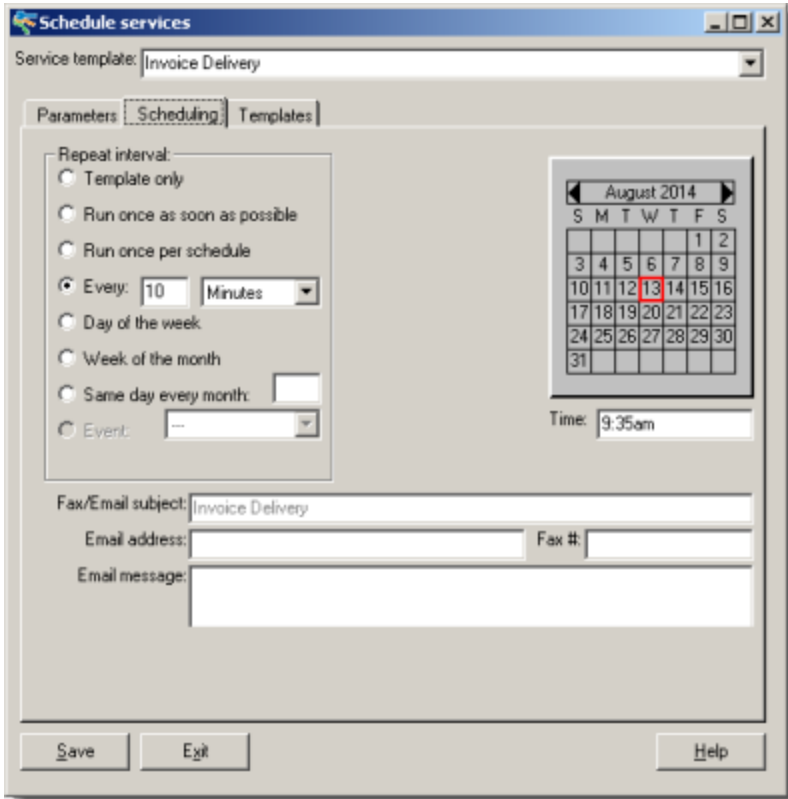
Click here for the [Scheduler tab](#) description.

Templates Tab

Click here for the [Templates tab](#) description.

Scheduling Tab

Use the Scheduling tab to set the interval at which the service is to be polled and executed by the Engine.



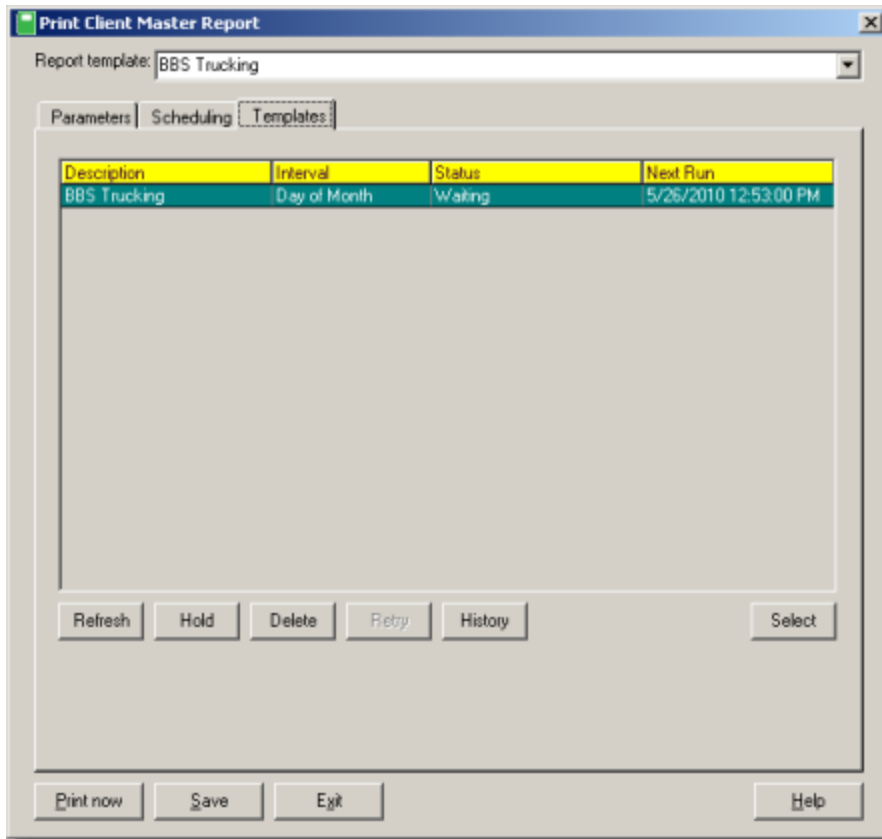
Field	Description
Template only	Defer selecting a scheduled polling time. The Engine will not execute tasks marked as Template Only
Run once per schedule	Execute the task once, at the next periodic polling of the database.
Run once per schedule	Set a schedule to poll the service. Select a date in the adjacent calendar and enter the time at which the service should start.
Every	Enter an interval number in the first field and select the interval from the drop-down list. The available options are: Day Week Month Year.
Day of the week	Select this option and the applicable weekday in the adjacent list to poll on a weekly basis. To poll at a specific time of day, enter the time in the adjacent Time field.
Week of the Month	Select the applicable week in the adjacent list, and select the applicable weekday from the Day drop-down list to poll during a specific week each month. To poll at a specific time of day, enter the time in the adjacent Time field.
Same Day Every	Select a date in the adjacent calendar and enter the time at which service or

Field	Description
Month	report is to be polled to poll on a specific day each month.
Event	Not used.
Fax/email subject	If Email or Fax output methods are selected, enter a subject description in this field to appear in the subject line of the email or Fax. Processes that do not allow email/fax distribution will not display this field.
Email address	If the Email output method is selected, enter a body text to appear in the body of the email. Processes that do not allow email/fax distribution will not display this field.
Email message	If the Email output method is selected, enter the email address or addresses to which the email is to be sent. Processes that do not allow email/fax distribution will not display this field.

Using the Templates Tab

The **Templates** tab lists the saved templates (if any) for the report. These are the reports that have been scheduled to be run by the engine.

On this tab you can select a template to open it and then work with it, delete a template you no longer need, place a scheduled template on hold, retry a template job that has failed, or view the history for a template report.



The list shows the following information for each template.

- **Description** – Name given to the template when it was created (or last modified).
- **Interval** – The interval defined for the template (on the **Scheduling** tab).
- **Status** – Indicates the status of the scheduled template.
 - **Waiting** – Report is waiting to be run by the engine.
 - **Running Complete** – Report is running or completed.
 - **Held by user** – Report was put on hold. If a report is on hold, select it and click the **Retry** button to release the hold.
 - **Failed/Unknown** – The scheduled report has failed or the status is unknown. If the report has failed, select it and click the **Retry** button to reset the report and have the system try again (based on the interval).
- **Next Run** – Shows when the report will next run, if applicable.

Use the buttons defined in the table below to work with the templates in the list.

Button	Use To:
Refresh	Updates the list to show the most recent information.
Hold	Places the scheduled template on hold. Templates that are on hold are not run by the engine until the hold is released (use the Retry button).
Delete	Permanently deletes the template from the system.
Retry	Retries a template that has failed (Failed/Unknown status) or releases the hold on a template (Held status).
History	Shows the history for the template which details when the template Report Detail history for the selected report job.
Select	Click this button to modify the Parameters and/or Scheduling options for the template.

Chargeback Export

The Generate Chargeback Export screen creates a file containing chargeback invoices for the specified selection criteria in your choice of tab-delimited, comma-delimited, or un-delimited (flat) files.

Field	Description
Report Template	Lists any option template created to date. Select a template from the list to generate a file based on its saved display parameters. Type a new Option template name and click Save to create a new template for this option, then Select the template from the Templates tab and make any applicable parameter and scheduling selections to complete the template.

Parameters Tab

Use the Parameters tab to specify the option's selection criteria.

Field	Description
Client	Select the client to which to limit the export results from the list. Click Clear to remove the selection. Leaving this field blank will include all clients in the results.
AE	Select the Account Executive (FactorSoft user) to which to limit the results in the report, or leave blank to include all users. When a user is selected, the report is limited to clients that have that user selected in the A/E field on the Control panel of the <i>Client Information</i> screen.

Field	Description
	To limit the A/E field to list only those users that have been marked as an A/E, use the following System Preference: <ul style="list-style-type: none"> Terminology > Select account executive based on check box: TRUE
Office	Select the office (as defined in the Office Table) for which this export is to be generated. Click Clear to remove the selection.
Client Group	Select the client group (as defined in the Group Code Table) for which this export is to be generated. Click Clear to remove the selection.
Value	Select the client group's value (as defined in the Group Code Table) for which this export is to be generated. Click Clear to remove the selection.
Date range	Select the date range to use for the data from the list: <ul style="list-style-type: none"> Last month Current month-to-date Year thru last month date Current year to date Specific date range <p>If the Specific date range option is selected, enter the beginning and ending dates of the date range to which to limit the data in the adjacent fields.</p>
Path	Enter the path to which the chargeback export file will be written. Click Browse to open a browser window that you can use to navigate to the export location.
Format	Select the file format to be generated: <ul style="list-style-type: none"> Tab delimited Comma delimited Flat file
Run now	Click this button to produce the Chargeback Export file for the selected criteria.
Save	Click this button to save the template settings.
Exit	Click this button to close the screen.

Scheduling Tab

Click here for the [Scheduler tab](#) description.

Templates Tab

Click here for the [Templates tab](#) description.

Sample File

Below is a sample of what to expect in a Chargeback Export:

```
File Edit Format View Help
AGCREF AGC 02/28/2020AGCTest 02/12/202000010000000001000000CB0000000000101 111000 00006150000
00000000ACOALSON Amanda Test Debtor AGCDEB
AGCREF AGC 02/28/2020021821-2 02/28/2020000000500000000050000CB0000000000102 0 00000000000THIS INVOICE WAS
REISSUED00000000ACOALSON Amanda Test Debtor AGCDEB
AGCREF AGC 02/28/2020021821-4 02/21/2020000000200000000020000CB0000000000104 0 00000000000
00000000ACOALSON Amanda Test Debtor AGCDEB
AGCREF AGC 02/28/2020021821-2 02/28/2020000000500000000050000CB0000000000108 0 00000000000
00000000ACOALSON Amanda Test Debtor AGCDEB
AGCREF AGC 02/28/2020021721-2 02/21/202000002000000000200000CB0000000000109 0 00000000000
00000000ACOALSON Amanda Test Debtor AGCDEB
123 AGC 03/02/2021030221-6 03/01/20210000015000000000150000CB0000000000114 0003 00000150000
00000000ACOALSON Amanda Debt -from CW AGCDEBCW
AGCREF AGC 03/15/2021012520AGC 02/28/202000002222000000222200CB0000000000118 0 00000000000
00000000ACOALSON Amanda Test Debtor AGCDEB
AGCREF AGC 04/01/2021031521 03/02/2021000001500000000150000CB0000000000119 1111 00000130000
00000000ACOALSON Amanda Test Debtor AGCDEB
```

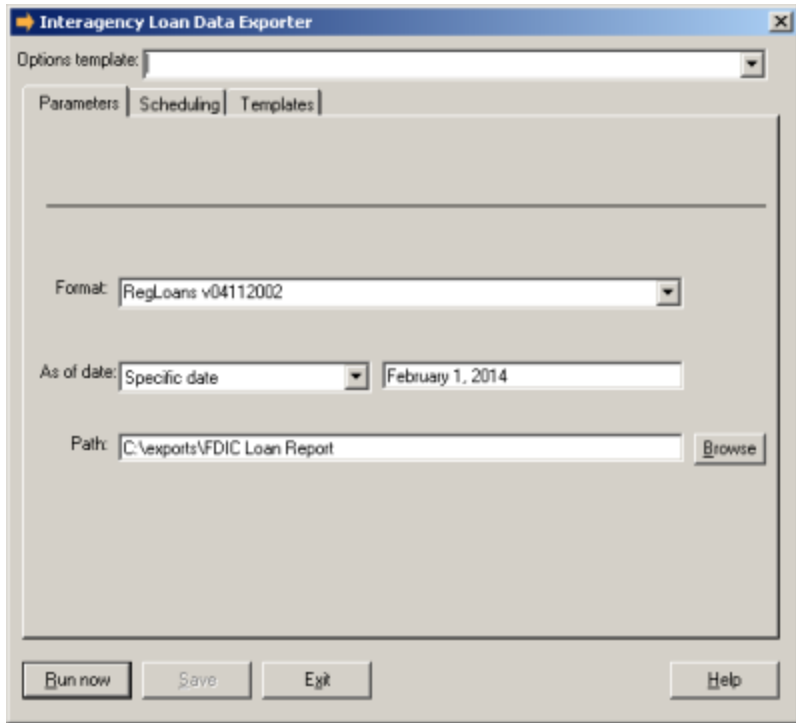
Interagency Loan Data Export

This data export creates an Interagency Loan Data Request (ILDR) file to be submitted to the FDIC/FFEIC for voluntary loan audit reporting. This function is enabled by setting the following System Preferences in the **Identification/system constants, Name & address** folder.

Preference	Description
FDIC Certificate Number	The lender's FDIC Certificate Number, which is a unique number assigned by the FDIC used to identify institutions and for the issuance of insurance certificates.
Charter Number	The lender's OCC Charter Number, issued by the Office of the Comptroller of the Currency, an independent bureau of the U.S. Department of the Treasury.
UBPR Short Name	The lender's short name used for the Uniform Bank Performance Report.

The Interagency Loan Data Exporter is accessed from the Other menu of the Export module. The export file name is NNNN_YYYYMMDD_RegLoans.TXT, where:

- NNNN is the bank short name from System Preference UBPR Short Name, can be any length, and may contain spaces but no punctuation.
- YYYYMMDD is the As-of Date of the loan information



Field	Description
Option Template	Lists any export template created to date. Select a template from the list to generate an export file based on its saved parameters. Type a new Options template name and click Save to create a new template for this export, then Select the template from the Templates tab and make any applicable parameter and scheduling selections to complete the template.

Parameters Tab

Field	Description
Format	Currently the RegLoans v04112002 format is the only available format. This format produces the IDLR to the FDIC/FFEIC version dated April 11, 2002.
As of date	Enter the single specific date declared by the Fed during the course of an audit.
Path	Enter the path to which to write the export file. Click the Browse button to open a browser screen to navigate and automatically display the path.

Payment Export

The Payment Export is accessed from the Other Menu of the FactorSoft Export module, and is used to create an export file with payment transaction information for a specific date.

Field	Description
Option Template	Lists any export template created to date. Select a template from the list to generate an export file based on its saved parameters. Type a new Options template name and click Save to create a new template for this export, then Select the template from the Templates tab and make any applicable parameter and scheduling selections to complete the template.

Parameters Tab

Field	Description
As of date	Select date through which to include records: <ul style="list-style-type: none">• Current date• Previous month-end date• Specific date If Specific date is selected, enter the date through which to include records in the adjacent field.
Client	Select the client to which to limit the Payment Export from the list. Click Clear to remove the selection. Leaving this field blank will include all clients in the export.
A/E	Select the account executive to which to limit the Payment Export from the list. Click Clear to remove the selection. Leaving this field blank will include all account executives in the export.
Office	Select the office to which to limit the Payment Export from the list. Click Clear to remove the selection. Leaving this field blank will include all offices in the export.
Group	Select the client group to which to limit the export file results from the list. Client Groups are defined in the Group Code Table. Click Clear to remove the selection.
Value	Select the specific client group value to which to limit the export file results from the list. Client Groups are defined in the Group Code Table. Click Clear to remove the selection.

Field	Description
Path	Enter the Path to which to write the export file. Click the Browse button to open a browser screen to navigate and automatically display the path.
Format	Select the export format: <ul style="list-style-type: none"> • SAGE Export: create a text export file for the SAGE Business Works accounting software. • Excel (tab delimited) export: create a tab-delimited Excel spreadsheet payment export file
Run now	Click this button to generate the export file immediately.
Save	Click this button to save the template name.
Exit	Click this button to close the screen.

Scheduling Tab

Click here for the [Scheduler tab](#) description.

Templates Tab

Click here for the [Templates tab](#) description.

File Layouts

The SAGE format produces a text file with the following layout:

Column	Contents	Length
1	cliRefNo	20
2	Invoice Number	30
3	Net Pmt Applied to Inv	12 (includes decimal point in 10th position)
4	Sign of Payment	1 (a + or -)
5	Payment Post Date	10 (yyyymmdd)
6	Invoice Description	50 (second reference)
7	Invoice P.O. Number	40 (unique identifier)

The Excel tab-delimited export file is a tab-delimited file that contains data for the following columns:

Debtor Name	The Debtor/Payor Name
INVNO	The invoice number for which a payment transaction was posted
TXNAMT	The net payment amount applied to the invoice. For example, an \$80 payment and a \$20 C/B will be sent as a \$100 payment.
Invoice Date	The payment date for the invoice.
ChkSource	The check source.
CheckNo	The check number.

Recovery Systems Export

The Recovery Systems Export extracts A/R details for items that have been charged off in FactorSoft for submission to credit reporting agencies. Currently, there are two formats available, both for reporting to the FICO Recovery Management System. When the extract is run, all invoices for the given selection parameters that have been charged off are included in a flat file for transmission to FICO.

Click here for the [export file format](#).

Field	Description
Report Template	Lists any templates created to date. Select a template from the list to generate an export based on its saved display parameters. Type a new Report template name and click Save to create a new template for this export, then Select the template from the Templates tab and make any applicable parameter and scheduling selections to complete the template.

Parameters Tab

Field	Description
Date range	Select the date option to use to select charge-off items from the list: <ul style="list-style-type: none"> • Last month • Current month-to-date • Year through last month-end • Current year to date • Specific date

Field	Description
	If Specific date is selected, enter the beginning and ending dates of the desired date range in the adjacent
Path	Enter the path to which to write the export data file. Click the Browse button to open a browser screen, on which you can navigate to the folder location.
Format	Select the export file format to be produced: <ul style="list-style-type: none"> • Fair Isaac RMS (1): produce the full RMS export file • Fair Isaac RMS (2): produce the truncated RMS export file
Print now	Click this button to generate the export file selected.
Save	Click this button to save updates to the currently selected template.
Exit	Click this button to close the screen.

Scheduling Tab

Click here for the [Scheduler tab](#) description.

Templates Tab

Click here for the [Templates tab](#) description.

Refund Disbursement

The Refund Disbursement export is used to distribute refunds by creating journals; the refunds are created by using the Refund adjustment type on the Data Entry tab of the Client Adjustments Batch screen, and processed via the Refund Disbursement Export.

Field	Description
(Scroll)	Enter a character (number or letter) or combination of characters to advance the list to the client name beginning with that character or combination of characters.
(Grid)	Displays each processed refund disbursement entered on the Adjustment Batch screen with a type of RFND as a line-item with the following information:

Field	Description
	<ul style="list-style-type: none"> • Debtor: the customer/debtor name for the invoice • Client: the client name for the invoice • Inv#: the invoice number • Purchased: the invoice purchase date • Amount: the original purchase amount for the invoice • Refunded: the refund transaction date • Refund: the refund amount
Action	<p>Select the refund action to be performed:</p> <ul style="list-style-type: none"> • Disburse to debtor: make payment to the debtor. The Payee, Address, and City fields are automatically completed with the debtor information. • Disburse to client: make payment to the client. The Payee, Address, and City fields are automatically completed with the client information. • Disburse to vendor: make payment to a third party set up in the Vendor Table (accessed from FactorSoft's Office menu). • Disburse to other: make payment to a third party. The Payee field becomes a debtor entry field so that you can enter the payee name. • Wash items against each other: wash two refund items against each other, thereby cancelling them. The items must be of the same dollar value, one a credit, the other a debit. • Transfer funds to cash reserves: apply the refund to the cash reserves account. • Transfer funds to hold account: apply the refund to a hold account selected from the Hold Account list (account has the Hold Account option selected on the Hold account tab of the Account Table) • Transfer funds to G/L/ account: apply the refund to a G/L account selected from the G/L Account list.
Payee	<p>Displays the payee to whom the refund disbursement is to be paid.</p> <p>This field is automatically filled with the applicable data when the Disburse to</p>

Field	Description
	<p>debtor, Disburse to client, or Disburse to vendor option is selected in Action.</p> <p>If the Disburse to other option is selected in Action, this becomes a data entry field to enter the Payee name.</p>
Address	<p>Displays the street address of the payee address.</p> <p>This field is automatically filled with the applicable data when the Disburse to debtor, Disburse to client, or Disburse to vendor option is selected in Action.</p> <p>If the Disburse to other option is selected in Action, this becomes a data entry field to enter the payee address.</p>
City	<p>Displays the city state and ZIP/Postal Code of the payee address.</p> <p>This field is automatically filled with the applicable data when the Disburse to debtor, Disburse to client, or Disburse to vendor option is selected in Action.</p> <p>If the Disburse to other option is selected in Action, this becomes a data entry field to enter the payee address.</p>
Description	<p>Enter a free-form text description of the disbursement. This field allows a maximum of 200 characters.</p>
Account	<p>Select the account to which to apply the refund.</p> <p>If Transfer funds to hold account is selected in Action, the label changes to Hold Account, and the list displays all of the accounts with the Hold Account option selected on the Hold account tab of the Account Table.</p> <p>If Transfer funds to G/L account is selected in Action, the label changes to G/L Account, and the list displays all of the accounts set up in the Account Table.</p>
Pay By	<p>Select the payment method for the disbursement.</p>
Cash Account	<p>Select the cash account to be affected by the transaction.</p>
Paid On	<p>Enter the date on which the disbursement occurred. This is the date on which the check was printed, or the wire was sent.</p>
Check/Tran#	<p>Enter the check number or other disbursement transaction number.</p>
Process	<p>Click this button to generate the disbursement. If the Refund Disbursement resulted in the posting of a check or wire, complete the process in the Write Checks screen.</p>

Field	Description
Refresh	Click to refresh the grid with any images scanned since the grid was last loaded.
Total Listed	Displays the total number of disbursement line-items listed in the grid.
Selected	Displays the total number of disbursement line-items selected for processing.
Value	Displays the total dollar amount of the disbursement line-items selected for processing.
Exit	Click this button to close the screen.

Transfer Out

The Transfer Out screen is opened from the Transfer Data selection in the Other menu of the Export module. This function creates an output XML file containing pending invoice, pending transfer, and debtor records for selected clients that can be imported into another client. Before using this function, transfer client groups must be set up in the [Data Transfer Table](#).

Field	Description
Transfer Client	Select the Transfer Group for which to create the transfer data output file. The transfer groups are set up in the Data Transfer Table.
Pending Invoices	Displays the number of pending invoices for the client group selected for the export.
Pending Payments	Displays the number of pending payments for the client group selected for the export.
New or existing Debtors	Displays the number of debtors for the client group selected for the export.
Transfer #	Displays the unique transfer number for the transfer.
Output folder	Displays the output folder where the export file will be written. The folder location is specified in the Data Transfer Table for the transfer group.
Process	Click this button to create the transfer file for the selected transfer group.
Exit	Click this button to close the screen.

OFAC Export

The OFAC Exporter creates an output file containing active clients and debtors as of the specified date. The purpose of this extract is to generate a list of all clients and debtors for comparison to the OFAC (US Office of Foreign Asset Control) Specially Designated Nationals List (SDN) to verify compliance in not lending money to targeted foreign countries, terrorists, international narcotics traffickers, those engaged in activities related to the proliferation of weapons of mass destruction, and other threats to the national security, foreign policy or the economy of the United States.

Field	Display
Option Template	Lists any export template created to date. Select a template from the list to generate an export file based on its saved parameters. Type a new Options template name and click Save to create a new template for this export, then Select the template from the Templates tab and make any applicable parameter and scheduling selections to complete the template.

Parameters Tab

Field	Display
Format	<p>Select the output file format to produce:</p> <ul style="list-style-type: none"> • TFS Format: extracts the name and address of all clients and debtors • PPS/Early Warn Identity Check Format: extracts all clients and debtors who have not previously been extracted (determined by the OFACExport date column in the Clients and Debtors database tables) • TFS Format - All active clients and debtors: extracts all clients and debtors for the portfolio regardless of As of date (note that the As of date field is not available when this option is selected). Extracts all active clients including ABL clients, (but not including master clients) and all debtors and master debtors.
As of date	<p>Select date through which to include records:</p> <ul style="list-style-type: none"> • Current date • Previous month-end date • Specific date <p>If Specific date is selected, enter the date through which to include records in the adjacent field.</p>

Field	Display
Path	Enter the fully qualified file path to which to write the export file. Click the Browse button to open a browser screen to navigate and automatically display the path.
Extract all	Select this option to extract all records, not just those not previously extracted.
Run now	Click this button to generate the export file immediately.
Save	Click this button to save the template name.
Exit	Click this button to close the screen.

Scheduling Tab

Click here for the [Scheduler tab](#) description.

Templates Tab

Click here for the [Templates tab](#) description.



EDI Exports

EDI, or Electronic Data Interchange, files are text files that contain data formatted according to standard rules. There are separate standards depending upon what type of data is being received or transmitted. Some of the available options are: invoice, credit request, and purchase order. Each type has a number designations. The currently accepted formats in FactorSoft:

- **210** - Outgoing Invoices (typically used when invoicing one of your borrowers debtors)
- **810** - Incoming Invoices (see Import Guide)
- **820** - Incoming Payments (see Import Guide)
- **850** - Incoming Credit or Single Order Request (see Import Guide)
- **855** - Outgoing Order Reply File
- **870** - Outgoing Credit Request Decision File

The majority of these formats are processed through the Engine. These files are imported directly into FactorSoft. Note that you can run the 850 as either a credit request or purchase order input (but not both). Set System Preference **Identification/system constants, Interface parameters, EDI Import Export, 850 Transactions are**.

The exceptions are the exports: the EDI210 invoice export and EDI870 Credit Request Decision file export, which are executed from the Export module. In addition, the EDI210 and EDI820 formats utilize the Data Entry modules in FactorSoft. For the 210, the Data Entry module is used to enter required invoice details not otherwise held in FactorSoft. For the 820, the Data Entry module is used to define sending and receiving entities (payors and payees), and the adjustment codes required for successful payment import. See the individual sections for each format for any special processing requirements.

EDI 822 Credit Export

The EDI 822 flat (ASCII) file exports data using the Export List feature in the Admin Module. This file includes information about a client's credit availability.

In the Admin Module, on the **Administration** menu, click **Export List**. Then, on the *Export List* screen, click **New**. On the *Export Detail* screen that appears you can select EDI 822 Flat File from the **Export Name** list and define the following:

Parameters	Destination	Scheduling		
Description	Data Type	Requi...	Value	
As of Date: 0-Current, 1-Specifi...	Integer	Yes		
Specific Date	String	No		

Parameters

Field	Description
As of Date	Enter a "0" in the Value field to generate the file for the current date. Enter "1" in the Value field to define a specific date.
Specific Date	If you enter "1" for the Value field for As of Date , enter the date of credit availability you want in the file. The format for the date should be YYYY/MM/DD.

EDI 855 Credit Decision Specification

The X12 855 transaction set is a Purchase Order Acknowledgment, used by sellers to confirm the receipt of a purchase order (an EDI 850 transaction) from a buyer. In FactorSoft, the 855 is being used to communicate a credit decision on a credit request submitted via the EDI 850 Credit Order transaction.

The EDI 855 Credit Decision transaction set contains the following segments:

- One header consisting of ISA and GS segments
- One to many body segments, representing invoice detail records, that consist of ST, BAK, REF (up to 9), ITD, DTM, NI, N3, N4, AMT and SE segments
- One trailer consisting of GE and IEA segments

See the segment descriptions and examples below for details.

Header Segments

Element Code	Element Name	Description
ISA - Interchange Control Header - exactly one per file		
ISA01	Authorization Info. Qualifier	*ANY

Element Code	Element Name	Description
ISA02	Authorization Information	*ANY
ISA03	Security Info. Qualifier	*ANY
ISA04	Security Information	*ANY
ISA05	Interchange Sender Qualifier	01 = DUNS Number
ISA06	Interchange Sender ID	Agreed upon
ISA07	Interchange Receiver Qualifier	Same as ISA05
ISA08	Interchange Receiver ID	Actual element identified in ISA07
ISA09	Interchange Date	System-generated, YYMMDD.
ISA10	Interchange Time	System-generated, HHMM.
ISA11	Interchange Control Standard ID	U representing U.S. EDI community
ISA12	Interchange Version #	Always '00401'. Standard issued as ANSI X12
ISA13	Interchange Control #	Unique File ID, system-generated, sequential
ISA14	Acknowledgment Requested	'0' to represent that acknowledgment is requested
ISA15	Usage Indicator	Test or Production
ISA16	Component Element Separator	Hex 3E
GS - Functional Group Header - exactly one per file		
GS01	Functional Identifier Code	'PR'
GS02	Application Sender's Code	Same as ISA06
GS03	Application Receiver's Code	Same as ISA08
GS04	Date	System-generated, CCYYMMDD
GS05	Time	System-generated, HHMM
GS06	Group Control Number	System-generated, sequential
GS07	Responsible Agency Code	Always 'X' to indicate Accredited standards committee X12

Element Code	Element Name	Description
GS08	Ver/Release/Industry ID Code	Always '004010'

Body Segments

Element Code	Element Name	Man or Opt?	Content
ST - Transaction Set Header			
ST01	Transaction set ID code	M	'855'
ST02	Transaction set control number	M	Unique ID for the Transaction Set
BAK- Beginning Segment for credit decision- one record for each decision			
BAK01	Transaction Set Purpose	O	01
BAK02	Acknowledgment Type	M	AH=Hold AT=Accepted RJ=Rejected
BAK03	Purchase Order Number	M	10 characters, alphanumeric
BAK04	Order Date	M	Order Date, CCYYMMDD
BAK06	Request Reference Number	M	Request/Order Number
BAK08	Reference Identification	M	Customer Number, 11 characters, alphanumeric
BAK09	Decision Date	M	Decision Date, CCYYMMDD
REF -Reference Identification - Client Number			
REF01	Reference Qualifier	M	23 = Client Number.
REF02	Reference Number	M	Client Number. 4 characters, numeric
REF - Reference Identification - Line or Order Code			
REF01	Reference Qualifier	M	CE = Line or Order Code

Element Code	Element Name	Man or Opt?	Content
			L = Line O = Order
REF02	Reference Number	M	Line Requested Amount. 11 Digits, numeric. 9 (9)V99
REF - Reference Identification - Line Type			
REF01	Reference Qualifier	O	E9 = Line Type.
REF02	Reference Number	O	Not used
REF - Reference Identification - Reason Code			
REF01	Reference Qualifier	M	ZZ = Reason Code.
REF02	Reference Number	M	Reason code. 2 digits, numeric.
REF03	Reference Description	O	20 characters, alphanumeric
REF - Reference Identification - Reason Code			
REF01	Reference Qualifier	M	ZZ = Reason Code.
REF02	Reference Number	M	Reason code. 2 digits, numeric.
REF03	Reference Description	O	20 characters, alphanumeric
REF - Reference Identification - Reason Code			
REF01	Reference Qualifier	M	ZZ = Reason Code.
REF02	Reference Number	M	Reason code. 2 digits, numeric.
REF03	Reference Description	O	20 characters, alphanumeric
REF - Reference Identification - Credit Officer			
REF01	Reference Qualifier	M	A6 = Credit Officer Number.
REF02	Reference Number	M	2 characters, alphanumeric (typically numeric).
REF - Reference Identification - EDI or Manual Order Flag			

Element Code	Element Name	Man or Opt?	Content
REF01	Reference Qualifier	M	AR = EDI or Manual Order Flag.
REF02	Reference Number	M	E = EDI M = Manual Order.
REF - Reference Identification - Original Order Amount			
REF01	Reference Qualifier	M	OI = Original Order Amount.
REF02	Reference Number	M	Order Amount. 9 digits, numeric, no decimal positions
ITD - -Terms of Sale			
ITD12	Terms Description	M	Alphanumeric, 30 characters (3 for terms code, 1 blank, and 26 for description).
DTM - Date/Time - Expiration Date			
DTM01	Date/Time Qualifier	M	036 = Expiration date
DTM02	Date/Time	M	Credit request expiration date. CCYYMMDD
N1 - Name - Customer			
N101	Entity Identifier Code	M	BS = Customer Name
N102	Name	M	Customer name
N103	ID Code Qualifier	M	91
N104	ID Code	M	Customer number assigned
N3 - Bill-To Party Address			
N301	Address Information	M	Address Line 1
N302	Address Information	O	Address Line 2
N4 - Bill-To Party Address, City State, ZIP/Postal Code			
N401	City Name	M	Alphanumeric, 15 characters.
N402	State or Province Code	M	Alphanumeric, 2 characters

Element Code	Element Name	Man or Opt?	Content
N403	ZIP or Postal Code	M	Alphanumeric, 10 characters, left-justified.
N404	Country Code	O	Alphanumeric, 3 characters
AMT- Credit Limit			
AMT01	Amount Qualifier Code	M	LM = Credit Limit
AMT02	Monetary Amount	M	9 digits, numeric, no decimal positions
SE - Transaction Set Trailer - one per invoice			
SE01	Number of included segments	M	Number of lines in the Transaction Set
SE02	Transaction set control number	M	Unique ID for the Transaction Set

Trailer Segments

Element Code	Element Name	Content
GE - Functional Group Trailer - exactly 1 per file		
GE01	Number of transaction sets	The number of ST records in the file. Numeric, six characters
GE02	Group control no.	Unique ID for the Group Section. Numeric, nine characters
IEA - Interchange Control Trailer - exactly 1 per file		
IEA01	Number of Functional Groups	Numeric, six characters
IEA02	Interchange Control Number	Unique File ID. Numeric, nine characters

RiskFactor Credit Analysis Overview

The RiskFactor Export application extracts information from a FactorSoft database and creates an export to RiskFactor for risk analysis.

RiskFactor Export is created specifically for RiskFactor Solutions' **RiskFactor** analysis application. For more information about this product, please refer to the product documentation included with the application, or visit their website at www.riskfactor-solutions.com.

Before the RiskFactor application can analyze your data, you must define export values and specify the following FactorSoft settings:

- **Groups and Values:** used to identify various group elements such as, clients, debtors, managers, etc. to the RiskFactor application. After these values are defined, they must then be specified in corresponding System Preferences.
- **Data Elements:** these include Currency, Client/Debtor information, and Recourse/Non-recourse settings.
- **System Preferences:** including both general FactorSoft preferences and RiskFactor specific preferences.

See the following topics for details about configuring the RiskFactor Interface:

- RiskFactor Group Settings
- RiskFactor Settings and Export Values
- RiskFactor Directory Structure

Risk Factor Credit Analysis Interface

The Risk Factor Credit Analysis Interface is used to generate several documents in the Risk Factor format for analyzing credit. The files are zipped and written to a file location of your choice, as specified in the System Preferences. The Risk Factor Credit Analysis Export can be found in the **Admin Module > Administration > Export List** and can be scheduled via the Engine as well as added to the Date Roll Process as an Overnight Task.

CAUTION

If the RiskFactor Credit Analysis fails during the Date Roll process, users will need to re-run the export using the method described in the Re-run RiskFactor section of the RiskFactor Add-on Guide.

Click here for the [Risk Factor File Specifications](#).

System Preferences

The Risk Factor Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, Risk Factor Export Interface** folder, as described following:

Preference	Description
Account manager group	The client group that will be used to identify the account manager for a client.
Client factor identifier	The value that will be passed to Risk Factors as the client factor identifier.
Client manager group	The client group that will be used to identify the client manager for a client.
Client type rule	Defines how the client type is determined 0 "A/R finance clients are 'F', all others are 'I'" 1 All clients will be 'F' 2 All clients will be 'I'
Create dated folders	If true the extracted data will be placed in a dated folder under the export folder and copied to the extract folder; if false the data will be placed directly in the in the export folder.
Credit controller	The client group that will be used to identify the collection controller for a cli-

Preference	Description
group	ent.
Debtor factor identifier	The value that will be passed to Risk Factors as the debtor factor identifier.
Output Path	Specify the folder in which the file will be saved when it is created by the interface.
Run with date change	The risk factor extract will be run as a function of the desktop service.
Sales person group	The client group that will be used to identify the sales person for a client.
Status group	The client group that will be used to identify Risk Factor status. If blank the active/inactive from the client information screen is used. If not blank only the first letter of the value is used.
Target debt turn	The desired average time in days for the clients customers to pay invoices.
Treat hold account adjustments as cash	Hold account adjustments will be treated as cash.
Use client/debtor number instead of key	If True the user maintained client and debtor numbers will be used instead of the internal client and debtor keys .

Scheduling the Risk Factor Interface as an Overnight Task with the Date Poll Process is configured in System Preferences, **Identification/system constants, CLMS|Engine, Overnight Tasks** folder, as described following:

Preference	Description
Select RiskFactor template to use when run With Overnight interval is scheduled	Select the template to enable the Overnight Task during the Date Roll process.

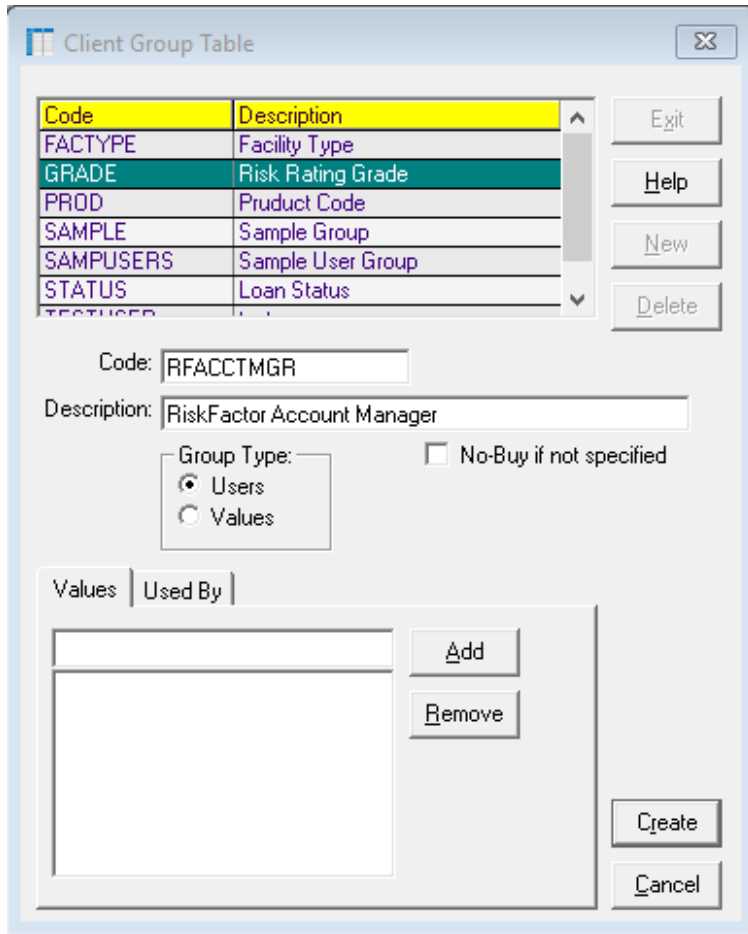
RiskFactor Group Settings

The RiskFactor application analyzes several “groups” as they relate to your accounts. Examples of these include Account Manager, Client Manager, Credit Controller, and Salesperson. These group elements are required for RiskFactor, must be created in the Group Table located at **Tables > Client & Debtor > Client Group Codes**, and the corresponding values assigned on each client record.

The following group assignments are required. These groups are then identified as the corresponding RiskFactor groups in System Preferences.

NOTE

A failure to specify and assign these elements will not cause the export operation to fail, but may generate invalid export files and cause the RiskFactor analysis to be invalid.

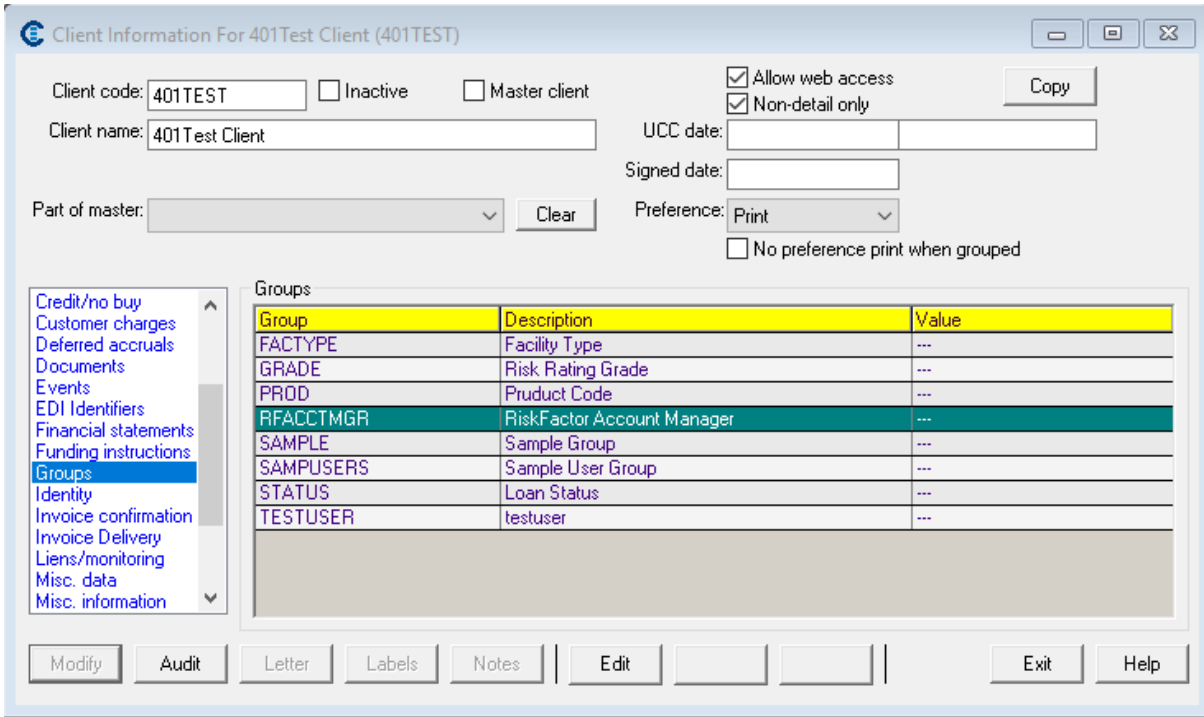


Group	Description
Account manager group	This client group is used to identify the user to be passed to RiskFactor as the account manager for a client. Set the Group Type to Users.
Client manager group	This client group is used to identify the user to be passed to RiskFactor as the client manager for a client . Set the Group Type to Users.
Credit controller group	This client group is used to identify the user to be passed to RiskFactor as the collection controller for a client . Set the Group Type to Users.

Group	Description
Sales person group	This client group is used to identify the user to be passed to RiskFactor as the sales person for a client . Set the Group Type to Users.

Assigning Group Values

The Client Group Table values are assigned to the appropriate client personnel in the Groups panel of the Client Information screen, as shown in the following illustration:



RiskFactor Settings and Export Values

There are several variables to define in order to create a usable export file for RiskFactor.

- First, there are several system settings, such as Currency, Client/Debtor information, and Check Source that must be set.
- Second, there are System Preferences which are used to identify groups, clients, debtors, managers, etc.

System Settings

There are three system settings that need to be specified:

Currency

Before a valid RiskFactor export can be run, you must declare the primary currency type in FactorSoft. This must be a recognized ISO standard currency code (e.g. USD).

The currency setting can be set to one of two ways, at the Client Level or the System Level.

- **Client Level:** Using this method allows individual clients to have different currency types.
- **System Level:** Using this method applies a default currency type to all clients. Set System Preference **Identification/system constants, System constants, Native currency** to the desired native currency.

Note that if any clients utilize a currency different than the system default, then a currency must be specified for every client, even if the client's currency is the default currency.

Client/Debtor Identification

Every client, debtor, and relationship/account is identified in each export by a unique identification number. The RiskFactor Export allows this identifier to be system generated (recommended) or to pass a user defined identifier. Although an option exists to use the Client/debtor identifier Jack Henry™ strongly recommends that you use the **ClientKey**, which is the default method. This method uses an internal key to identify the client \ debtor. This method ensures that a unique identifier is passed with each client, each debtor, and each account record.

The method is determined by System Preference **Identification/system constants, Interface parameters, Risk Factor interface, Use client/debtor number instead of key**. Set this preference to **False** to use the ClientKey method.

Check Source

All Transactions must have a Check Source assigned.

TIP

Check sources are defined on the Check Source Table Maintenance screen in the Tables module.

Recourse/Non-recourse

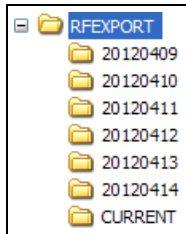
If a client is classified as Recourse, the recourse days must be set on either the Resource panel of the Client Terms screen or the Purchase Terms panel of the Client Information screen.

If a client is Non-Recourse, the Non-Recourse option on the Purchase Terms panel of the Client Information screen must be selected.

For each client, access the Purchase Terms panel to ensure the presence and accuracy of this information.

RiskFactor Directory Structure

When RiskFactor Export is generated, the export files are created in a new subdirectory (named in YYYYMMDD format) in the specified path, then copied to the CURRENT directory for processing by RiskFactor. Each of the dated folders archive the data extracts, in case you need to re-analyze the export for a certain date. Following is an example of a RiskFactor Extract directory:



TIP

You can also elect to produce the export files directly in the path specified in System Preference **Identification/system constants, Interface parameters, Risk Factor Interface, Folders for extract output** and overwrite the files in the directory with each export and not create the dated archive folders. Set System Preference **Identification/system constants, Interface parameters, Risk Factor Interface, Create dated folders** to **False** to overwrite extract files.

Date Logic

Extracts will run from the last run date plus one day through the current FactorSoft processing date. This ensures that extracts contain all data from the point of the previous extract, up to the current date.

Risk Factor File Specifications

NOTE

Not every Commercial Finance Company will have Groups defined within their system. Where this is the case, this file will be created but will contain no records. Also, Source System codes are present to assist in reconciliation and testing and are not displayed in the RiskFactor system.

The files generated are .lst files that are zipped with each file being presented in the following format:

Table File - rftbl.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates. This is reserved for future use so that categories can be derived from multiple Source systems or multiple Commercial Finance Companies within a single Source system.	Optional
Category Type	Alphanumeric	10	Describes the type of code in the Table file. Examples:- 'GNMGR' – General Manager 'CLMGR' – Client Manager 'CRCTL' – Credit Controller 'CURCR' – Currency 'FACTY' – Facility Type 'BRCHC' – Branch 'BUSIN' – Business Indicator 'ADJCD' – Adjustment Code 'DISPC' – Dispute Code 'DSAPC' – Disapproval Code 'DEDCD' – Deduction Code 'REASC' – Reassign Code	Required
Code	Alphanumeric	10	The Table Entry Code is the code used in riskFactor that is supplied and is to be looked up in this file. (Left justified) Example – 'JSMITH'	Required
Description	Alphanumeric	225	Description / lookup result (This field is free format, left justified) Example – 'John Smith'	Required
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Group File - rfcltgrp.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates. This allows riskFactor to process data extracts from Source systems that have multiple Commercial Finance Companies defined or to process data from more than one Source system.	Required
Client Identifier Group	Alphanumeric	30	Uniquely identifies the Client Group.	Required
Client Group Name	Alphanumeric	50	The name displayed for the Client Group.	Required
Open Date	Alphanumeric	8	The date the Client Group was defined on the operational system. [YYYYMMDD]	Required
Client Group Rating	Alphanumeric	10	A rating code for the Group. (Used for information only)	Optional
Group Facility Limit	Numeric	18	The maximum limit of finance allocated to the Group. Note that this may be more, or less, than the sum total of Client Facility limits.	Optional
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Client File - rfclt.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required

Name	Format	Len	Description	Required
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates.	Required
Client Identifier	Alphanumeric	30	This is the code by which the Client is uniquely identified within the Source system.	Required
Client Name	Alphanumeric	50	The display name for the Client.	Required
Open Date	Alphanumeric	8	The date the Client was defined on the Source system. [YYYYMMDD]	Required
Client Rating	Alphanumeric	10	A rating code for the Client. (Used for information only)	Optional
Client Limit	Numeric	18	The maximum limit of finance allocated to the client. Note that this may be more, or less, than the sum total of Client Facility limits.	Optional
Client Group Identifier	Alphanumeric	30	Links the Client to a Group. Blank if not part of a Group. Client Group Identifiers are defined on the Client Group file.	Optional
Client Branch Identifier	Alphanumeric	10	Organizational unit of the Commercial Finance Company responsible for Client. Blank if not part of a Branch.	Optional
Client Address Line 1	Alphanumeric	50	The first line of the Client's address	Optional
Client Address Line 2	Alphanumeric	50	The second line of the Client's address.	Optional
Client Address Line 3	Alphanumeric	50	The third line of the Client's address.	Optional
Client Address Line	Alphanumeric	50	The fourth line of the Client's address.	Optional

Name	Format	Len	Description	Required
4				
Client Address - City	Alphanumeric	50	Client address city.	Optional
Client Address - County	Alphanumeric	50	Client address county.	Optional
Client Address - Country	Alphanumeric	50	Client address country.	Optional
Client Address - Post Code	Alphanumeric	10	Client address postcode.	Optional
Client Contact Name	Alphanumeric	50	The Contact Name for the Client.	Optional
Client Telephone Number	Alphanumeric	20	The telephone number of the Client Contact.	Optional
Client Registered Company Number	Alphanumeric	10	This is the registered number of the Client (as kept at Companies House).	Optional
Client's Industry Code	Alphanumeric	10	This is the Standard Industry Code (SIC) to identify the industry within which the Client trades.	Optional
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Client Facility File - rfcfac.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates.	Required
Client Identifier	Alphanumeric	30	As defined on the Client file.	Required
Client Facility Identifier	Alphanumeric	30	This is the code by which the Client Facility is uniquely identified within the Source system. If the Client on the Source system has more than one currency then there will be one Client Facility record for each currency.	Required
Facility Type Code	Alphanumeric	1	Facility / Business categories identified within the source system. The code will be used to look up the description from the Table file (FACTY). Codes :- 'F' – Full Factoring Only 'I' – Invoice Discounting (Any facility with ID in total or a part of the Account). These are examples of those that could be used. Further codes can be used as an expansion of the system.	Required
Product Code	Alphanumeric	10	The Product Code for the Facility. Used to identify products offered by the Commercial Finance Company (e.g. CHOCS, Small Business factoring).	Optional
Facility Branch Identifier	Alphanumeric	10	Organisational unit of the Commercial Finance Company to which the Client Facility is allocated. Blank if not part of a Branch.	Optional

Name	Format	Len	Description	Required
Client Facility Currency Code	Alphanumeric	3	Currency code for the Client Facility. The code will be used to look up the description from the Table file. Example - 'GBP', 'EUR', etc This must be an ISO standard currency code.	Required
Active Indicator	Alphanumeric	1	Active Indicator. Codes - 'A' - Active 'I' - Inactive 'C' - Ceased	Required
Open Date	Alphanumeric	8	The date the Client Group was defined on the operational system. [YYYYMMDD]	Required
Client Manager Code	Alphanumeric	10	The code for the Client Manager allocated to the Client Facility. This is will be used to lookup the Client Manager Name from the Table file using 'CLMGR' type code.	Optional Note: At least one of the Manager codes must be used.
Client Executive Code	Alphanumeric	10	The code for the Client Executive allocated to the Client Facility. This will be used to lookup the Client Executive Name from the Table file using 'CLEXC' type code.	Optional Note: At least one of the Manager codes must be used.
Account Manager Code	Alphanumeric	10	The code for the Account Manager allocated to the Client Facility. This will be used to lookup the Account Manager Name from the Table file using 'CLACC' type code.	Optional Note: At least one of the Manager codes must be used.
Credit Controller Code	Alphanumeric	10	The code for the Credit Controller allocated to the Client Facility. This is the code that will be used to lookup the Credit Controller Name from the Table file, using 'CLCCM' type code.	Optional Note: At least one of the Manager codes must be used.
Sales Person Code	Alphanumeric	10	The code for the Sales Person allocated to the Client Facility. This is the code that will be used to lookup the Sales Person Name from the Table file, using 'CLSAL' type code.	Optional Note: At least one of the Manager codes must be used.

Name	Format	Len	Description	Required
Payment Method	Alphanumeric	10	Payment method indicator Codes – ‘P’ – Pay-as-paid (non maturity) ‘M’ – Maturity	Optional
Recourse Indicator	Alphanumeric	1	The code for the Client’s type of agreement. Codes – ‘N’ – Non Recourse ‘R’ – Recourse	Required
Prepayment Rate	Numeric	14	Prepayment rate. The percentage at which the Client receives advance payment on the approved balance of the Sales Ledger.	Required
Facility Limit Amount	Numeric	18	The maximum limit of finance allocated to the Client Facility.	Required
Payment Day Count	Numeric	3	The standard credit terms allowed by a Client to its Customers. e.g. 30 days = 30 45 days = 45 60 days = 60 90 days = 90 End of current month = 15 End of next month = 45	Required
Target Debt Turn Count	Numeric	3	The average time taken for the Client’s customers to pay invoices. This is expressed in a number of days.	Required
A/R Gross Balance Amount	Numeric	18	The outstanding Accounts Receivable Balance including all Funding Approved and Funding Disapproved Items.	Required
A/R Net Balance Amount	Numeric	18	The outstanding Accounts Receivable Balance excluding Funding Disapproved Items.	Required
Current Account Balance Amount	Numeric	18	The balance of the account that records the level of finance (this may include charges) provided to the Client Facility.	Required
Gross Availability Amount	Numeric	18	The amount available to a Client Facility having taken into account any Funding Disapproved Items but not restricted by the Client Facility Limit.	Required

Name	Format	Len	Description	Required
Net Avail-ability Amount	Numeric	18	The amount available to a Client Facility having taken into account any Funding Disapproved Items and restricted by the Client Facility Limit.	Required
Disapproved Balance Amount	Numeric	18	The net sum of Funding Disapproved Items. This will take into account any double counting where items may be disapproved for more than one reason. For example, if an invoice is over age and is also disputed it will only be counted once.	Required
Dispute Balance Amount	Numeric	18	The sum total for Disputed Items. Note that this includes all Disputed Items regardless of whether they are also Disapproved for Funding or not.	Required
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Client Facility Transaction File - rfc1trn.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates.	Required
Client Identifier	Alphanumeric	30	As defined on the Client file.	Required
Client Facility Identifier	Alphanumeric	30	As defined on the Client Facility file	Required
RiskFactor Transaction Code	Numeric	2	Transaction Code Codes – '01' – Payments	Required

Name	Format	Len	Description	Required
Source System Transaction code	Alphanumeric	10	Transaction code used in source system. Payment Types may be distinguished on the source system. For example, BACS and CHAPS payments.	Required
Post Date	Alphanumeric	8	The Posting Date of the Transaction. [YYYYMMDD]	Required
Client Facility Currency Code	Alphanumeric	3	Currency code for the Client Facility. The code will be used to look up the description from the Table file. Example - 'GBP', 'EUR', etc This must be an ISO standard currency code.	Required
Transaction Amount	Numeric	18	Transaction Amount (the Item Amount) in Client Facility Currency.	Required
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Open Invoice File - rfinvopn.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates.	Required
Client Identifier	Alphanumeric	30	As defined on the Client file.	Required
Client Facility Identifier	Alphanumeric	30	As defined on the Client Facility file	Required
Debtor Factor Identifier	Alphanumeric	30	The Commercial Finance Company responsible for collecting the debt. If a third party is responsible for collecting the debt then this field identifies that	Optional

Name	Format	Len	Description	Required
			company. Otherwise, it identifies the Client's Commercial Finance Company.	
Debtor Identifier	Alphanumeric	30	Debtor Identifier. If blank it will be treated as a Bulk Total.	Optional
Debtor Account Identifier	Alphanumeric	30	Debtor Account Identifier. If blank it will be treated as a Bulk Total. For Factoring records this will contain the Debtor Account Number, which uniquely identifies the Debtor Ledger.	Optional
Invoice Number	Alphanumeric	30	Invoice number.	Required
RiskFactor Transaction Code	Numeric	2	RiskFactor Transaction Code Codes – '01' – Invoice type 1 '02' – Invoice type 2 '03' – Invoice type 3	Required
Source System Transaction code	Alphanumeric	10	Source System Transaction Code	Required
Post Date	Alphanumeric	8	The Posting Date of the Transaction. [YYYYMMDD]	Required
Item Currency Code	Alphanumeric	3	Item Currency code. This must be an ISO standard currency code.	Required
Item Date	Alphanumeric	8	Date of the Invoice. [YYYYMMDD]	Required
Final Due Date	Alphanumeric	8	Final Due date of the Invoice. [YYYYMMDD]	Required
Item Gross Amount	Numeric	18	Invoice Gross Item Amount (the original value of the Invoice when it was first posted to the Source System).	Required
Item Net Amount	Numeric	18	Invoice Net Item Amount (Original Item Amount). Value of the Invoice before Tax.	Optional

Name	Format	Len	Description	Required
Item Tax Amount	Numeric	18	Invoice Tax Amount (Original Item Amount)	Optional
Item Balance Amount	Numeric	18	Balance remaining on the Item, (Balance Outstanding). This amount may be different to the Invoice Gross Amount where there has been a partial allocation of Credit Items (Cash, Credit Notes, or Credit Adjustments) to an invoice. The Item Balance Amount shows the value of the Invoice remaining after the partial allocation.	Required
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Disapproved/Dispute File - rfopndsp.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates.	Required
Client Identifier	Alphanumeric	30	As defined on the Client file.	Required
Client Facility Identifier	Alphanumeric	30	As defined on the Client Facility file	Required
Debtor Factor Identifier	Alphanumeric	30	The Commercial Finance Company responsible for collecting the debt. If a third party is responsible for collecting the debt then this field identifies that company. Otherwise, it identifies the Client's Commercial Finance Company.	Optional
Debtor Identifier	Alphanumeric	30	Debtor Identifier. If blank it will be treated	Optional

Name	Format	Len	Description	Required
tifier			as a Bulk Total.	
Debtor Account Identifier	Alphanumeric	30	Debtor Account Identifier. If blank it will be treated as a Bulk Total. For Factoring records this will contain the Debtor Account Number, which uniquely identifies the Debtor Ledger.	Optional
Item Identifier	Alphanumeric	30	Invoice/Item number.	Required
Post Date	Alphanumeric	8	The Posting Date of the Transaction. [YYYYMMDD]	Required
Item Currency Code	Alphanumeric	3	Item Currency code. This must be an ISO standard currency code.	Required
RiskFactor Disapproved Funding Code	Numeric	2	Item Funding Disapproval Code. Codes: '01' – Funding Limit Exceeded '02' – Legal Ineligible '03' – Dispute ineligible '04' – Expired ineligible (aged) '05' – Contra '06' – Prime Debtor (concentration) '07' – Reconciliation '08' – Other	Optional. Note: Mandatory in case of funding disapproval
Source System Disapproved Funding Code	Alphanumeric	10	Item funding disapproval code that is relevant to the source system. Must exist in the system table (DISAPP).	Optional. Note: Mandatory in case of funding disapproval
Disapproved Funding Amount	Numeric	18	The amount of the item that is disapproved for funding reasons. Format: +12345678901234.12	Optional. Note: Mandatory in case of funding disapproval
RiskFactor Unapproved	Numeric	2	RiskFactor Credit Item Unapproved Code.	Optional. Note: Mandatory

Name	Format	Len	Description	Required
Credit Code			Codes: '01' – Funding Limit Exceeded '02' – Legal Ineligible '03' – Dispute ineligible '04' – Expired ineligible (aged) '05' – Contra '06' – Prime Debtor (concentration) '07' – Reconciliation '08' – Other	in case of credit not approved
Source System Unapproved Credit Code	Alphanumeric	10	Credit Item Unapproved Code from the Source System. Must exist in the system table (UNAPP).	Optional. Note: Mandatory in case of credit not approved
Unapproved Credit Amount	Numeric	18	The amount of the item that is unapproved (recourse) for credit reasons. Format: +123456789012.1234	Optional. Note: Mandatory in case of credit not approved
Item Tax Amount	Numeric	18	Invoice Tax Amount (Original Item Amount)	Optional
RiskFactor Dispute Code	Numeric	2	RiskFactor Dispute Code. Codes – '01' – High '02' – Medium '03' – Low	Optional. Note: Mandatory in case of dispute
Source System Dispute Code	Alphanumeric	10	Source System Dispute Code. Must exist in the system table (DISPUTE).	Optional. Note: Mandatory in case of dispute
Dispute Amount	Numeric	18	The amount of the Item that is in dispute.	Optional. Note: Mandatory in case of dispute

Name	Format	Len	Description	Required
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Closed Invoice File - rfcinv.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates.	Required
Client Identifier	Alphanumeric	30	As defined on the Client file.	Required
Client Facility Identifier	Alphanumeric	30	As defined on the Client Facility file	Required
Debtor Factor Identifier	Alphanumeric	30	The Commercial Finance Company responsible for collecting the debt. If a third party is responsible for collecting the debt then this field identifies that company. Otherwise, it identifies the Client's Commercial Finance Company. As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Debtor Identifier	Alphanumeric	30	Debtor Identifier. If blank it will be treated as a Bulk Total. As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Debtor Account Identifier	Alphanumeric	30	Debtor Account Identifier. If blank it will be treated as a Bulk Total As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Invoice Number	Alphanumeric	30	Invoice number.	Required

Name	Format	Len	Description	Required
RiskFactor Transaction Code	Numeric	2	RiskFactor Transaction Code Codes – '01' – Invoice type 1 '02' – Invoice type 2 '03' – Invoice type 3	Required
Source System Transaction code	Alphanumeric	10	Source System Transaction Code	Required
Post Date	Alphanumeric	8	The Posting Date of the Transaction. [YYYYMMDD]	Required
Item Currency Code	Alphanumeric	3	Item Currency code. This must be an ISO standard currency code.	Required
Item Date	Alphanumeric	8	Date of the Invoice. [YYYYMMDD]	Required
Close Date	Alphanumeric	8	Close Date. This should always be the same and the Extract Date. [YYYYMMDD]	Required
Final Due Date	Alphanumeric	8	Final Due date of the Invoice. [YYYYMMDD]	Optional
Item Gross Amount	Numeric	18	Invoice Gross Item Amount (the original value of the Invoice when it was first posted to the Source System).	Required
Item Balance Amount	Numeric	18	Balance remaining on the Item, (Balance Outstanding). This amount may be different to the Invoice Gross Amount where there has been a partial allocation of Credit Items (Cash, Credit Notes, or Credit Adjustments) to an invoice. The Item Balance Amount shows the value of the Invoice remaining after the partial allocation.	Required
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Cash Open File - rfcshop.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates.	Required
Client Identifier	Alphanumeric	30	As defined on the Client file.	Required
Client Facility Identifier	Alphanumeric	30	As defined on the Client Facility file	Required
Debtor Factor Identifier	Alphanumeric	30	The Commercial Finance Company responsible for collecting the debt. If a third party is responsible for collecting the debt then this field identifies that company. Otherwise, it identifies the Client's Commercial Finance Company. As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Debtor Identifier	Alphanumeric	30	Debtor Identifier. If blank it will be treated as a Bulk Total. As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Debtor Account Identifier	Alphanumeric	30	Debtor Account Identifier. If blank it will be treated as a Bulk Total. For Factoring records this will contain the Debtor Account Number, which uniquely identifies the Debtor Ledger. As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Item Identifier	Alphanumeric	30	Item Number.	Required
RiskFactor Transaction	Numeric	2	RiskFactor Transaction Code	Required



Name	Format	Len	Description	Required
Code			Codes – '01' – Cash '02' – Other Cash '03' – Unpaid Cheques	
Source System Transaction code	Alphanumeric	10	Source System Transaction Code	Required
Post Date	Alphanumeric	8	The Posting Date of the Transaction. Set to internal machine date on the day the entry is made. [YYYYMMDD]	Required
Item Currency Code	Alphanumeric	3	Item Currency code. This must be an ISO standard currency code.	Required
Item Date	Alphanumeric	8	Date of the Invoice. [YYYYMMDD]	Required
Item Gross Amount	Numeric	18	Cash Gross Item Amount (the original value of the Cash Item when it was first posted to the Source System). Format: +12345678901234.12	Required
Item Balance Amount	Numeric	18	Cash Balance Amount (Balance Outstanding). This amount may be different to the Cash Gross Amount where there has been a partial allocation of a Cash Item to an invoice(s). The Item Balance Amount shows the value of the Cash Item remaining after the partial allocation. Format: +12345678901234.12	Required
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Cash Applied File - rfcshap.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's cur-	Required

Name	Format	Len	Description	Required
			rent business day. [YYYYMMDD]	
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates.	Required
Client Identifier	Alphanumeric	30	As defined on the Client file.	Required
Client Facility Identifier	Alphanumeric	30	As defined on the Client Facility file	Required
Debtor Factor Identifier	Alphanumeric	30	The Commercial Finance Company responsible for collecting the debt. If a third party is responsible for collecting the debt then this field identifies that company. Otherwise, it identifies the Client's Commercial Finance Company. As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Debtor Identifier	Alphanumeric	30	Debtor Identifier. If blank it will be treated as a Bulk Total. As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Debtor Account Identifier	Alphanumeric	30	Debtor Account Identifier. If blank it will be treated as a Bulk Total. For Factoring records this will contain the Debtor Account Number, which uniquely identifies the Debtor Ledger. As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Cash Item Identifier	Alphanumeric	30	Item Number of the Cash Item.	Required
Invoice Item Identifier	Alphanumeric	30	Item Number of the Invoice to which the Cash Item has been applied.	Required
RiskFactor Transaction	Numeric	2	RiskFactor Transaction Code Codes –	Required

Name	Format	Len	Description	Required
Code			'01' – Cash '02' – Other Cash	
Source System Transaction code	Alphanumeric	10	Source System Transaction Code	Required
Post Date	Alphanumeric	8	The Posting Date of the Transaction. Set to internal machine date on the day the entry is made. [YYYYMMDD]	Required
Item Currency Code	Alphanumeric	3	Item Currency code. This must be an ISO standard currency code.	Required
Item Date	Alphanumeric	8	Date of the Invoice. [YYYYMMDD]	Required
Close Date	Alphanumeric	8	Close Date. This should always be the same as the Extract Date. [YYYYMMDD]	Required
Item Amount	Numeric	18	Amount applied to an invoice.	Required
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Item Adjustment File - rfitadj.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates.	Required
Client Identifier	Alphanumeric	30	As defined on the Client file.	Required
Client Facility Identifier	Alphanumeric	30	As defined on the Client Facility file	Required

Name	Format	Len	Description	Required
Debtor Factor Identifier	Alphanumeric	30	The Commercial Finance Company responsible for collecting the debt. If a third party is responsible for collecting the debt then this field identifies that company. Otherwise, it identifies the Client's Commercial Finance Company. As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Debtor Identifier	Alphanumeric	30	Debtor Identifier. If blank it will be treated as a Bulk Total. As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Debtor Account Identifier	Alphanumeric	30	Debtor Account Identifier. If blank it will be treated as a Bulk Total. For Factoring records this will contain the Debtor Account Number, which uniquely identifies the Debtor Ledger. As defined in the Client-Debtor Analysis Extract File Formats document.	Optional
Item Identifier	Alphanumeric	30	Item Number	Required
RiskFactor Transaction Code	Numeric	2	RiskFactor Transaction Code Codes – '01' – Credit Note '02' – Other Credit Note '03' – Debit Adjustment '04' – Credit Adjustment (this will include things such as Bad Debt Write-offs, Reassignments, Discount Adjustments for Short Payments) '05' – Balancing adjustment. This is used to accommodate the scenario where invoices are short-paid. Rather than showing the short-paid amount as an Item Balance Amount on the original invoice, the invoice is fully closed and an adjustment	Required

Name	Format	Len	Description	Required
			is created for the amount of the short-payment. This transaction is processed in riskFactor as follows: it is used in calculating the open items balance but is NOT used as part of the new transactions created calculations that affect the movement of the client facility (and customer) balance.	
Source System Transaction code	Alphanumeric	10	Source System Transaction Code	Required
Post Date	Alphanumeric	8	The Posting Date of the Transaction. Set to internal machine date on the day the entry is made. [YYYYMMDD]	Required
Item Currency Code	Alphanumeric	3	Item Currency code. This must be an ISO standard currency code.	Required
Item Date	Alphanumeric	8	Date of the Invoice. [YYYYMMDD]	Required
Close Date	Alphanumeric	8	Closed Date. If the Closed Date is blank then this indicates that the Item was open and outstanding on the day of the extract. If the item has a Closed Date then this will always be the same as the Extract date and indicates it was closed on the day of the extract. Items that were closed prior to the date of the extract are not to be included. [YYYYMMDD]	Required
Item Gross Amount	Numeric	18	Gross Item Amount . This is the amount of the Item that was initially posted to the Source system.	Required
Item Balance Amount	Numeric	18	Item Balance Amount.	Required
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Currency Table File - rfrate.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Client Factor Identifier	Alphanumeric	30	The identifying code of the Commercial Finance Company to which this record relates.	Optional
Base Currency Code	Alphanumeric	3	Base Currency of the System This must be an ISO standard currency code.	Required
Currency Code	Alphanumeric	3	Currency Code. The code will be used to look up the description from the Table file. This must be an ISO standard currency code.	Required
Exchange Rate	Numeric	14	Exchange rate. The figure by which the amount will be multiplied by to convert the amount to the base currency.	Required
Euro Indicator	Alphanumeric	1	Indicates if the currency is part of the European Monetary Market. Codes: 'Y' – Yes 'N' – No	Optional
Euro Rate	Numeric	14	Euro Rate. The figure by which the amount will be multiplied by to convert the amount to the Euro currency.	Optional
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Client/Item Control Files

rfcltgrpc.lst = Group file - rfccltc.lst = Client file - rfcclfac.lst = Client Facility file - rfccltrnc.lst = Client Facility Transaction file - rfinvopn.lst = c Open Invoice file - rfofndspc.lst = Disapproved / Dispute file - rfcclinvc.lst = Closed Invoice file - rfcshopc.lst = Cash Open file - rfcshapc.lst = Cash Applied file - Rfitadjc.lst = Item Adjustment file - Rftblc.lst = Table file - Rfratec.lst = Currency table

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Extract File Name	Alphanumeric	10	File name of the extract file to which the control file relates: <ul style="list-style-type: none"> - rfcltgrpc.lst = Group file - rfcltc.lst = Client file - rfcfac.lst = Client Facility file - rfcitrnc.lst = Client Facility Transaction file - rfinvopn.lst = c Open Invoice file - rfopndspc.lst = Disapproved / Dispute file - rfcinvc.lst = Closed Invoice file - rfcshopc.lst = Cash Open file - rfcshapc.lst = Cash Applied file - Rfitadjc.lst = Item Adjustment file - Rftblc.lst = Table file - Rfratec.lst = Currency table 	Required
Extract Date Start	Alphanumeric	8	Date on which the extract started. [YYYYMMDD]	Required
Extract Start Time	Numeric	6	Time at which the extract started. [HHMMSS]	Required
Extract End Date	Alphanumeric	8	Date on which the extract ended. [YYYYMMDD]	Required
Extract End Time	Numeric	6	Time at which the extract ended. [HHMMSS]	Required
Record Count	Numeric	9	Number of records extracted to the extract file.	Required
Hash Total	Numeric	20	Summed total of a chosen field within the extract file. Format – +1234567890123456.12 Group file - Number of records in the file. Client file - Number of records in the file.	Required

Name	Format	Len	Description	Required
			Client Facility File - Account Receivable Balance Amount. Client Facility Transaction file - Transaction Amount. Invoice Open file - Item Gross Amount. Invoice Disapproved / Dispute file - Disapproved Funding Amount. Invoice Closed file - Item Gross Amount. Cash Open File - Item Gross Amount. Cash Applied file - Item Amount. Item Adjustment file - Item Amount. Table file - Number of records in the file. Currency file - Exchange Rate.	
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Debtor Group File - rfdgrp.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Debtor Factor Identifier	Alphanumeric	30	The Commercial Finance Company responsible for collecting the debt. If a third party is responsible for collecting the debt then this field identifies that company. Otherwise, it identifies the Client's Commercial Finance Company.	Required
Debtor Group Identifier	Alphanumeric	30	The unique identifier for this Debtor Group.	Required
Debtor Group Name	Alphanumeric	30	The display name for this Debtor Group	Required
Open Date	Alphanumeric	8	The date the Debtor Group was first defined on the Source system. [YYYYMMDD]	Required

Name	Format	Len	Description	Required
Debtor Group Rating	Alphanumeric	10	A rating code for the Debtor Group. (Used for information only)	Optional
Rating Type	Alphanumeric	10	A code to describe the type of Debtor Rating Type. e.g. 'Dun & Bradstreet', 'Expirion', Equifax, etc.	Optional
Litigation Indicator	Alphanumeric	1	Indicates that legal action is being taken against this Debtor Group. Values – 'Y' or 'N' (Information Only)	Optional
Debtor Group Status Code	Alphanumeric	10	Code for the current status of the Debtor Group. For example: Active/Inactive status, the Dunning status, etc. (Information Only)	Optional
Credit Limit	Numeric	18	Credit Limit. For non-recourse clients this is the amount on risk to the Commercial Finance Company. For Recourse Clients this is an opinion for information only. For Export Customers, the Credit Limit may be set by the Import Commercial Finance Company. For Clients using a third party Trade Credit Insurance Company this may be the Limit set by the Insurance Company. Format: +12345678901234.12	Optional
Credit Limit Start Date	Alphanumeric	8	The date that the Credit Limit was set. [YYYYMMDD]	Optional
Credit Limit Expiry Date	Alphanumeric	8	The date that the Credit Limit is due to expire. [YYYYMMDD]	Optional
Finance Limit Amount	Numeric	18	Finance Limit Amount. This is the limit to which the Commercial Finance Company wishes to provide finance against a Debtor Group.	Optional

Name	Format	Len	Description	Required
			Format: +12345678901234.12	
Finance Limit Start Date	Alphanumeric	8	The date that the Finance Limit was set. [YYYYMMDD]	Optional
Finance Limit Expiry Date	Alphanumeric	8	The date that the Finance Limit is due to expire. [YYYYMMDD]	Optional
RF Credit Limit Reason Code	Alphanumeric	2	RiskFactor Reason Code for the Credit Limit provided. Codes – '01' – Fully Approved '02' – Partially Approved '03' – Canceled	Optional
Constitution Indicator	Alphanumeric	10	Constitution Indicator. e.g. Limited, Non-Limited, Government Body, etc.	Optional
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Debtor File - rfdbr.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Debtor Factor Identifier	Alphanumeric	30	The Commercial Finance Company responsible for collecting the debt. If a third party is responsible for collecting the debt then this field identifies that company. Otherwise, it identifies the Client's Commercial Finance Company.	Required
Debtor Identifier	Alphanumeric	30	The unique identifier for this Debtor.	Required
Debtor Name	Alphanumeric	30	The display name for this Debtor.	Required
Open Date	Alphanumeric	8	The date the Debtor Group was first	Required

Name	Format	Len	Description	Required
			defined on the Source system. [YYYYMMDD]	
Debtor Rating	Alphanumeric	10	A rating code for the Debtor. (Used for information only)	Optional
Debtor Rating Type	Alphanumeric	10	A code to describe the type of Debtor Rating Field.	Optional
Debtor Group Identifier	Alphanumeric	30	Unique Identifier to Identify the Debtor Group.	Optional
External Bureau Number	Alphanumeric	10	External Bureau Number (e.g. Duns Number, Expiration Number, Equifax Number, etc.)	Optional
Litigation Indicator	Alphanumeric	1	Indicates that legal action is being taken against this Debtor Group. Values – 'Y' or 'N' (Information Only)	Optional
Debtor Status Code	Alphanumeric	10	Code for the current status of the Debtor Group. For example: Active/Inactive (Information Only)	Optional
Credit Limit Amount	Numeric	18	Credit Limit. For non-recourse clients this is the amount on risk to the Commercial Finance Company. For Recourse Clients this is an opinion for information only. For Export Customers, the Credit Limit may be set by the Import Commercial Finance Company. For Clients using a third party Trade Credit Insurance Company this may be the Limit set by the Insurance Company. Format: +12345678901234.12	Optional
Credit Limit Start Date	Alphanumeric	8	The date that the Credit Limit was set. [YYYYMMDD]	Optional

Name	Format	Len	Description	Required
Credit Limit Expiry Date	Alphanumeric	8	The date that the Credit Limit is due to expire. [YYYYMMDD]	Optional
Finance Limit Amount	Numeric	18	Finance Limit Amount. This is the limit to which the Commercial Finance Company wishes to provide finance against a Debtor Group. Format: +12345678901234.12	Optional
Finance Limit Start Date	Alphanumeric	8	The date that the Finance Limit was set. [YYYYMMDD]	Optional
Finance Limit Expiry Date	Alphanumeric	8	The date that the Finance Limit is due to expire. [YYYYMMDD]	Optional
RF Credit Limit Reason Code	Alphanumeric	2	RiskFactor Reason Code for the Credit Limit provided. Codes – '01' – Fully Approved '02' – Partially Approved '03' – Canceled	Optional
Debtor Address Line 1	Alphanumeric	50	The first line of the Debtor's address	Optional
Debtor Address Line 2	Alphanumeric	50	The second line of the Debtor's address.	Optional
Debtor Address Line 3	Alphanumeric	50	The third line of the Debtor's address.	Optional
Debtor Address - Post Code	Alphanumeric	10	The Post Code of the Debtor's address.	Optional
Debtor Contact Name	Alphanumeric	50	This is the Contact Name for the Debtor.	Optional

Name	Format	Len	Description	Required
Debtor Telephone Number	Alphanumeric	20	This is the telephone number of the Debtor's Contact.	Optional
Debtor Registered Company Number	Alphanumeric	10	This is the registered number of the Debtor (as kept at Companies House).	Optional
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Client Debtor Account File - rfdbrac.lst

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Client Factor Identifier	Alphanumeric	30	As defined on the Client Factor file.	Required
Client Identifier	Alphanumeric	30	As defined on the Client file.	Required
Client Facility Identifier	Alphanumeric	30	As defined on the Client Facility file	Required
Debtor Factor Identifier	Alphanumeric	30	The Commercial Finance Company responsible for collecting the debt. If a third party is responsible for collecting the debt then this field identifies that company. Otherwise, it identifies the Client's Commercial Finance Company.	Required
Debtor Identifier	Alphanumeric	30	As defined on the Debtor file or blank for a Bulk Total.	Required
Debtor Account Identifier	Alphanumeric	30	Uniquely identifies the Debtor Account.	Required

Name	Format	Len	Description	Required
Debtor Account Currency Code	Alphanumeric	3	Currency for this Debtor Account. Example: 'GBP', EUR 'USD', etc.	Optional
Active Indicator	Alphanumeric	1	Indicates whether the client is currently active 'A' = Active 'I' = Inactive	Optional
Open Date	Alphanumeric	8	The date the Debtor Group was first defined on the Source system. [YYYYMMDD]	Required
Credit Controller Code	Alphanumeric	10	The code for the Credit Controller (Underwriter) of the Debtor. This is the code that will be used to lookup the Credit Controller Name from the Table file, using 'CRDTCTLR' type code.	Required
Litigation Indicator	Alphanumeric	1	Indicates that legal action is being taken against this Debtor Group. Values – 'Y' or 'N' (Information Only)	Optional
Debtor Account Status Code	Alphanumeric	10	Code for the current status of the Debtor Group. For example: Dunning status (Information Only)	Optional
Credit Limit Amount	Numeric	18	Credit Limit. For non-recourse clients this is the amount on risk to the Commercial Finance Company. For Recourse Clients this is an opinion for information only. For Export Customers, the Credit Limit may be set by the Import Commercial Finance Company. For Clients using a third party Trade Credit Insurance Company this may be the Limit set by the Insurance Company. Format: +12345678901234.12	Optional

Name	Format	Len	Description	Required
Credit Limit Start Date	Alphanumeric	8	The date that the Credit Limit was set. [YYYYMMDD]	Optional
Credit Limit Expiry Date	Alphanumeric	8	The date that the Credit Limit is due to expire. [YYYYMMDD]	Optional
RF Credit Limit Reason Code	Alphanumeric	2	RiskFactor Reason Code for the Credit Limit provided. Codes – '01' – Fully Approved '02' – Partially Approved '03' – Canceled	Optional
Funding Limit Amount	Numeric	18	Funding Limit Amount Format: +12345678901234.12	Optional
Funding Limit Rate	Numeric	14	Funding Limit Rate (Concentration limit). Format: +12345.1234567 Normally defaulted to Client level.	Optional
Funding Limit Start Date	Alphanumeric	8	Funding Limit Date. [YYYYMMDD]	Optional
Funding Limit Expiry Date	Alphanumeric	8	Funding Limit Expiry Date. [YYYYMMDD]	Optional
Debtor Terms Day Count	Numeric	3	The standard credit terms allowed for this Debtor Account.	Required
AR Net Balance	Numeric	18	Account Receivable Balance Amount. The total amount owed by the Debtor Account to the Client Facility. Format: +12345678901234.12	Required
Unallocated Credit Balance Amount	Numeric	18	Unallocated Credit Balance Amount. The total of all open and outstanding Credit Items (other than Cash items) on the date of the Extract. Format: +12345678901234.12	Required
Unapplied Cash Amount	Numeric	18	Unapplied Cash Amount. The total of all open and outstanding Cash Items on the	Required

Name	Format	Len	Description	Required
			date of the extract. Format: +12345678901234.12	
Recourse Balance Amount	Numeric	18	Recourse Balance Amount Format: +12345678901234.12 Balance outstanding for Recourse. In other words, the outstanding amount not covered by a Non-Recourse Credit Limit. For fully approved Non-Recourse Debtor Accounts the amount will be zero.	Required
Funding Disapproved Balance Amount	Numeric	18	Funding Disapproved Balance Amount. The total amount of Debt which is not eligible for Funding purposes at the date of the extract for the Debtor Account. Format: +12345678901234.12	Required
Credit Unapproved Balance Amount	Numeric	18	Credit Unapproved Balance Amount. The total amount of debt which is covered by a Non-Recourse Credit Limit. For fully approved Non-Recourse Debtor Accounts the amount will be the same as the Debtor Account AR Net Balance Amount. Format: +12345678901234.12	Required
Dispute Balance Amount	Numeric	18	Dispute Balance Amount. The total amount of Debt which is disputed at the date of the Extract for the Debtor Account. Format: +12345678901234.12	Required
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required




































Client/Debtor Analysis Control Files

rfdgrpc.lst = Debtor Group file - rfdbrc.lst = Debtor file - rfdbracc.lst = Client Debtor Account file.

Name	Format	Len	Description	Required
Effective Date	Alphanumeric	8	Processing date on the source system for this data. This is the source system's current business day. [YYYYMMDD]	Required
Extract File Name	Alphanumeric	10	File name of the extract file to which the control file relates: 'rfdgrp' – Debtor Group file. 'rfdbr' – Debtor file. 'rfdbrac' – Client Debtor Account file.	Required
Extract Date Start	Alphanumeric	8	Date on which the extract started. [YYYYMMDD]	Required
Extract Start Time	Numeric	6	Time at which the extract started. [HHMMSS]	Required
Extract End Date	Alphanumeric	8	Date on which the extract ended. [YYYYMMDD]	Required
Extract End Time	Numeric	6	Time at which the extract ended. [HHMMSS]	Required
Record Count	Numeric	9	Number of records extracted to the extract file.	Required
Hash Total	Numeric	20	Summed total of a chosen field within the extract file. Format – +1234567890123456.12 Debtor Group file - Count of records in the file. Debtor file - Credit Limit Amount. Client Debtor Account file - A/R Net Balance Amount.	Required
Delimiter	X	1	Always 'X' to indicate the end of the record.	Required

Sample File List

The below image is a sample of what to expect in each RiskFactor Zip File.

 rfablage.lst	11/6/2019 9:06 AM	LST File	0 KB
 rfablagec.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfablbal.lst	11/6/2019 9:07 AM	LST File	3 KB
 rfablbalc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfcifac.lst	11/6/2019 9:07 AM	LST File	38 KB
 rfcifacc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfclinv.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfclinvc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfcit.lst	11/6/2019 9:07 AM	LST File	69 KB
 rfcitc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfcitgrp.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfcitgrpc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfcittrn.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfcittrnc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rf-control.xls	11/6/2019 9:07 AM	Microsoft Excel W...	5 KB
 rfcshap.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfcshapc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfcshop.lst	11/6/2019 9:07 AM	LST File	3 KB
 rfcshopc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfdbr.lst	11/6/2019 9:07 AM	LST File	17 KB
 rfdbrac.lst	11/6/2019 9:07 AM	LST File	114 KB
 rfdbracc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfdbrc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfdgrp.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfdgrpc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfinvopn.lst	11/6/2019 9:07 AM	LST File	218 KB
 rfinvopnc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfitadj.lst	11/6/2019 9:07 AM	LST File	3 KB
 rfitadjc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfopndsp.lst	11/6/2019 9:07 AM	LST File	216 KB
 rfopndspc.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfrate.lst	11/6/2019 9:07 AM	LST File	1 KB
 rfratec.lst	11/6/2019 9:07 AM	LST File	1 KB
 rftbl.lst	11/6/2019 9:07 AM	LST File	21 KB
 rftblc.lst	11/6/2019 9:07 AM	LST File	1 KB

Export Debtors

Smyyth Group Debtor Extract File Layout

The Smyyth Group extract file is a plain text file with fixed-length field formats, containing the following data for each debtor selected:

Position	Length	Comments
1	50	Debtor name
51	50	Filler
101	60	Debtor address line 1
161	60	Debtor address line 2
221	40	Debtor address city
261	40	Debtor address state
301	9	Debtor address ZIP Code
310	2	Debtor address country code
312	9	Debtor D&B DUNS number
321	20	Debtor primary phone number
341	20	Debtor code
361	10	Date reported (format = MM/DD/CCYY)
371	4	Trade group id
375	9	Trade provider id
384	9	High credit amount
393	9	Total receivables amount
402	9	Current receivables amount
411	9	Past due total amount
420	9	Past due 1 - 30 days amount

Position	Length	Comments
429	9	Past due 31 - 60 days amount
438	9	Past due 61 - 90 days amount
447	9	Past due 91 - 120 days amount
456	30	Filler
486	4	Debtor DSO
490	2	Years sold
492	5	Last sold date (format = MM/YY)
497	2	Filler
499	8	Debtor SIC
507	100	Filler

Export Invoices

FIS Invoice Extract

The FIS Invoice Extract option allows you to export invoice records in a format for use with FIS Loan sub-system reporting tools. All open invoices are included in the extract file. On the day that an invoice is paid to zero, the invoice is passed once more with a "0.00" FACT.AMOUNT and INV.AMOUNT. On the next extract, it is not included.

Click the link for "FIS Invoice Extract File Layout" on page 572.

To create the FIS Invoice Extract:

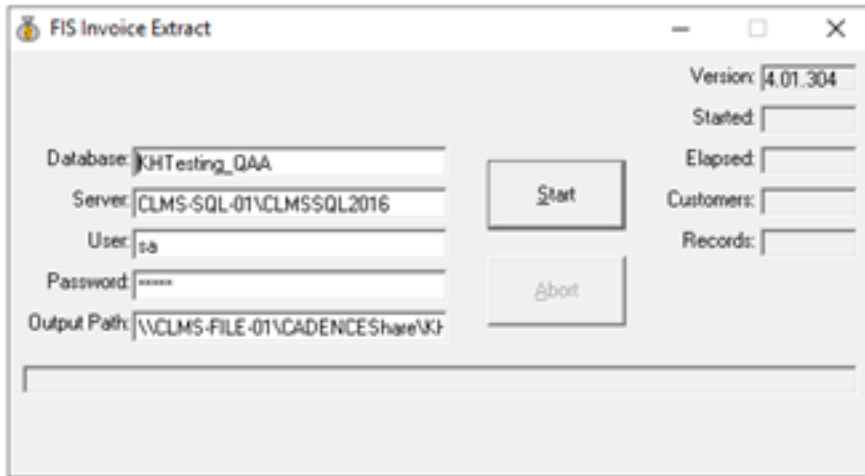
1. Open the FIS Invoice Extract program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled FisInvoice_Extract.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The FIS Invoice Extract program opens on your desktop, as shown below:



2. Complete the FIS Invoice Extract screen as described below:

Field	Description
Database	Enter the actual database name (as defined to FactorSoft in the Control File in the Database Name field) from which to extract invoice data.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
Output Path	Enter the fully qualified folder location in which to create the extract file.
Start	Click this button to generate the extract file.
Abort	Click this button to stop the extract process once started.

Field	Description
Version	Displays the version number of the FIS Invoice Extract program.
Started	Displays the time that the current extract was started.
Elapsed	Displays the time elapsed thus far in an executed extract.
Customers	Displays the number of debtor records accessed thus far in an executed extract.
Records	Displays the number of invoice records written to the extract file thus far in an executed extract.

3. Click the **Start** button to execute the FIS Invoice Extract.

System Preferences

The following system preferences for this export are found in the Administration module, System Preferences, **Identification/system constants, Interface parameters, FIS Invoice Extract** folder.

Preference	Description
Account number for factoring fee	Enter the account number to be used for the factoring fee.
Account number for insurance fee	Enter the account number to be used for the insurance fee.
Debtor group value used for collateral type	Enter the Debtor Group code to be used for the extract.
Debtor group value used for HO classification	Enter the Debtor Group code to be used for the extract.
Debtor group value used for risk rating	Enter the Debtor Group code to be used for the extract.

FIS Invoice Extract File Layout

The FIS Invoice Extract creates a text file named **FS_IBS-LN_YYYYMMDD_nn**, where **YYYYMMDD** is the current processing date and **NN** is the batch number:

Name	Format	Length	Mandatory or Optional	Description
CUSTOMER.ID	Numeric	10	Mandatory	Client number associated with

Name	Format	Length	Mandatory or Optional	Description
				the invoice Client number must be an existing customer in FIS IBS/CIS
INV.CUSTOMER.ID	Numeric	10	Mandatory	Debtor code for the invoice Debtor number must be an existing customer in FIS IBS/CIS
INV.NUMBER	Numeric	16	Mandatory	Invoice Number FactorSoft provides unique invoice numbers for a client on the file coming to FIS
CURRENCY	Numeric	3	Mandatory	Valid ISO currency code (numeric) 840 = US Dollar
FACT.AMOUNT	Numeric	16(2)	Mandatory	Amount to be used on discount contract. Invoice Amount minus fee rate or expenses.
INV.AMOUNT	Numeric	16(2)	Mandatory	Amount to be used on discount contract. Invoice Amount minus fee rate or expenses. Numeric with two decimal places. Decimal separator is the dot (.) The file contains a row when the invoice amount becomes 0.
VALUE.DATE	Numeric	8	Mandatory	Invoice Issue Date. YYYYMMDD.
MATURITY.DATE	Numeric	8	Mandatory	Invoice Due Date. YYYYMMDD.
DRAWDOWN.ACCOUNT	Numeric	16	Mandatory	Checking account number where purchase funds are deposited (could also be an internal account of the bank). Must be an

Name	Format	Length	Mandatory or Optional	Description
				existing account in FIS Client Bank Relationship Account in FactorSoft.
INTEREST.RATE	Numeric	11(5)	Mandatory	Interest applied to the discount amount to calculate interest amount. Advance Rate in FactorSoft.
PRIN.LIQ.ACCT	Numeric	16	Mandatory	Checking account number where invoice-payment funds are deposited. It could also be an internal account of the bank. Must be an existing account in FIS. Client Bank Relationship Account in FactorSoft.
INT.LIQ.ACCT	Numeric	16	Mandatory	Typically the same account as the DRAWDOWN.ACCOUNT. It could also be an internal account of the bank. Must be an existing account in FIS. Client Bank Relationship Account in FactorSoft.
ESCROW ACCT	Numeric	16	Optional	Account used to account difference between invoice and discount amount. Must be an existing account in FIS. Reserve Account at Client Bank Relationship Account in FactorSoft (Optional)
RESERVE.AMOUNT	Numeric	16(2)	Optional	Amount escrowed for invoice.
MISC Debtor Group #1	Alphanumeric	5	Mandatory	Debtor Group 1

Name	Format	Length	Mandatory or Optional	Description
MISC Debtor Group #2	Numeric	3	Mandatory	Debtor Group 2
L.DESCRPTION	Alphanumeric	25	Optional	Free-form transaction description. FactorSoft passes blanks.
MISC Debtor Group Code #3	Alphanumeric	35	Optional	Debtor Group 3
PAST.DUE.FEE.CODE	Numeric	3	Optional	Cushion fee. 30 (Cushion Fee) or blank. Code used from Due Date Fees, if applied.
PAST.DUE.FEE.AMT	Numeric	10(2)	Optional	If PAST.DUE.FEE.CODE = 30, this field contains the fee to be applied in order to calculate Purchase Price. Otherwise zero-filled. FactorSoft fee from Due Date fees for invoice
FACTORING.FEE.CODE	Numeric	3	Optional	Factoring Fee Code. 31 (Servicing Fee) or blank. Purchase Fee Code from Extra Fees
FACTORING.FEE.AMT	Numeric	10(2)	Optional	If FACTORING.FEE.CODE = 31, this field contains the fee to be applied in order to calculate Purchase Price. Otherwise zero-filled. FactorSoft Purchase Fee from Extra Fees. For this field to be populated into the extract file, the appropriate account number must be

Name	Format	Length	Mandatory or Optional	Description
				entered in System Preference Identification/system constants , Interface parameters, FIS Invoice Extract, Account number for factoring fee.
INSURANCE.FEE.CODE	Numeric	3	Optional	Insurance fee code. 32 (Insurance Fee) or blank. Insurance Code from Purchase Expense.
INSURANCE FEE.AMT	Numeric	10(2)	Optional	If INSURANCE.FEE.CODE = 32, this field contains the fee to be applied in order to calculate Purchase Price. Otherwise zero-filled. FactorSoft Insurance Fee from Purchase Expense For this field to be populated into the extract file, the appropriate account number must be entered in System Preference Identification/system constants , Interface parameters, FIS Invoice Extract, Account number for insurance fee.
BATCH.NO	Numeric	5	Optional	FactorSoft batch number
CLIENT TAX ID	Numeric	9	Mandatory	Client TAX ID - from Client Information Identity Panel
DEBTOR TAX ID	Numeric	9	Mandatory	Debtor TAX ID - from Debtor Information Identity Panel
BRANCH ID	Alphanumeric	20	Mandatory	Office Code - from Client Information Control Panel
LENDER	Alpha	12	Optional	Account Executive from Client

Name	Format	Length	Mandatory or Optional	Description
				Information - Control Panel
INTEREST AMOUNT (one day's accrual)	Numeric	11(5)	Mandatory	<p>Interest amount based on Interest Rate and the Outstanding Invoice Balance. Not stored in FactorSoft.</p> <p><u>Calculation:</u></p> <p>IntAmt = 0</p> <p>If FeeRate <> 0 Then</p> <p>DueDate = DateAdd("d", .DaysDue, .InvDate)</p> <p>Days = DateDiff("d", PostDate, DueDate)</p> <p>If Days <> 0 Then IntAmt = objFixAmt.FixAmt(.InvAmt * FeeRate * Days / 36000)</p> <p>End If</p>

CIT Invoice Export

Select the Invoice Exporter option in the Export Name field of the Export List to create the CIT Proprietary Summary Invoice file to be submitted to CIT Systems.

Parameters

Field	Description
Format	Enter 0 for the CIT export.
Use Specific Date	Enter Yes to generate the report for an as-of date specified in the Specific Date parameter. Enter No to generate the export as-of the current FactorSoft processing date.
Specific Date	Enter the specific as-of date from which to run the export. Format = MM/DD/CCYY. This field is only required if Use Specific Date is set to Yes .

Field	Description
Office	Enter the office to which to limit the export records. Offices are defined in the Office Table.
Pending(P), Processed(R), or Both	Select the invoice status filter by which to limit the export records: <ul style="list-style-type: none"> • P = Include pending invoice only • R = Include processed invoices only • blank = Include all invoices

CIT Invoice Export Layout

The CIT Invoice Export contains four separate record types:

- Name and Address Record
- Invoice Detail Record
- Assignment Total Record
- Transmission Total Record

Assuming the file contains two clients, 1111 and 2222, the file would be structured thusly:

- Name and address Record for Client 1111/Debtor 123
Invoice Detail Record #1 for Client 1111/Debtor 123
Invoice Detail Record #1 for Client 1111/Debtor 123
- Name and address Record for Client 1111/Debtor 456
Invoice Detail Record #1 for Client 1111/Debtor 456
Invoice Detail Record #1 for Client 1111/Debtor 456
Assignment Total Record for Client 1111
- Name and address Record for Client 2222/Debtor 789
Invoice Detail Record #1 for Client 2222/Debtor 789
Invoice Detail Record #1 for Client 222/Debtor 789

- Name and address Record for Client 2222/Debtor 123

Invoice Detail Record #1 for Client 2222/Debtor 123

Assignment Total Record for Client 2222

- Transmission Total Record

Name and Address Record

Used to identify debtor information for debtors not already present in CIT. Must be a Name and Address record for each debtor referred in Invoice Data Records. There can be one to many Invoice Data Records for each Name and Address Record within client/debtor assignment. Record sequence is not critical. If the same debtor appears in a batch for more than one client/debtor assignment, the Name and Address Record must appear for each client/debtor assignment.

Name	Type	Pos	Len	Req	Description
Client Number	Numeric	1	4	Yes	
Filler		5	2		
Record Type	Alphanumeric	7	1	Yes	Always "A"
Client Debtor Number	Alphanumeric	8	15	Yes	Left-justified, leading zeros, right-filled with spaces
Debtor Name	Alphanumeric	23	30	Yes	
Debtor Address 1	Alphanumeric	53	30		
Debtor Address 2	Alphanumeric	83	30		Optional
Debtor Address City	Alphanumeric	113	17		
Debtor Address State Code	Alpha	130	2		
Debtor Address ZIP/Postal Code	Alphanumeric	132	9		Left-justified, leading zeroes

Name	Type	Pos	Len	Req	Description
Future Use	Alpha	141	17		
Debtor Address Country Code	Alphanumeric	158	3		Standard Country Code
Debtor Phone Number	Numeric	161	10		

Invoice Data Record

Name	Type	Pos	Len	Req	Description
Client Number	Numeric	1	4	Yes	
Trade Style	Alphanumeric	5	1		
Blank		6	1		
Record Type	Alphanumeric	7	1	Yes	D = invoice C = Credit Memo Credit memos should appear in a separate client/debtor assignment and must be net discounted amount of the invoice.
Client Debtor Number	Alphanumeric	8	15	Yes	Left-justified, leading zeros, right-filled with spaces
Invoice Number	Alphanumeric	23	8	Yes	Left-justified
Filler		31	7		
Invoice Amount	Numeric	38	10	Yes	Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 0000012345
Invoice Date	Date	48	6	Yes	MMDDYY
Invoice As Of Date	Date	54	6		MMDDYY
Client Terms	Alphanumeric	60	3	Yes	Left-justified, 000 for credit memo

Name	Type	Pos	Len	Req	Description
Code					Note that either the Terms Code or Terms Description must be provided. If both are provided, the Terms Code is used.
Merchandise Code	Alphanumeric	63	1		<p>Must be set to "1" if Merchandise Amount is provided.</p> <p>Purpose of Merchandise fields is to determine the amount of discount if there is a discount terms code. For example, assuming a terms code having a discount, the gross invoice amount is \$1000 with \$50 freight. Normally, you would not want the freight discounted. Therefore, the discountable merchandise amount would be \$950 with the following fields in the Invoice Data Record affected:</p> <ul style="list-style-type: none"> • Invoice Amount = 0000100000 • Merchandise Code = 1 • Merchandise Amount = 0000095000
Merchandise Amount	Numeric	64	10		<p>Right-justified, leading zeros, decimal implied.</p> <p>Ex. \$123.45 = 0000012345</p>
Debtor Store Number	Alphanumeric	74	5		Mandatory for chain store, otherwise optional
Debtor Purchase Order Number	Alphanumeric	79	22	Y	Mandatory
Debtor Department Number	Alphanumeric	101	6		Optional
Risk Code	Alphanumeric	107	1		<p>Optional</p> <p>1 = Client Risk</p>

Name	Type	Pos	Len	Req	Description
Filler		108	4		
Discount Type Code	Alphanumeric	112	1		Optional The Discount Type and Discount Amount fields are rarely used as discounts are typically handled via the terms code. If not, set Discount Type Code to "1" and use the Discount Amount. Invoice Amount must be gross amount before discount.
Discount Amount	Numeric	113	10		Optional Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 0000012345
Credit Memo Invoice Number	Alphanumeric	123	8		Original invoice number to which credit memo refers. Must be present for Record Type "C". Enter "CREDIT" if unknown.
Future Use	Alphanumeric	131	38		
Terms Description	Alphanumeric	169	15		Note that either the Terms Code or Terms Description must be provided. If both are provided, the Terms Code is used.

Client/Debtor Assignment Total Record

Must be present at the after each client/debtor assignment in the file.

Name	Type	Pos	Len	Req	Description
Client Number	Numeric	1	4	Yes	
Filler		5	2	Yes	Always "99"
Record Type		7	1	Yes	Always "S"
Client Debtor Number		8	15	Yes	All 9's
Number of N/A	Numeric	23	6	Yes	Number of name and address records in

Name	Type	Pos	Len	Req	Description
Records					the client/debtor assignment
Number of Invoice Records	Numeric	29	6	Yes	Number of Invoice Data Records in the client/debtor assignment
Number of Credit Memo Records	Numeric	35	6	Yes	Number of credit memo records in the client/debtor assignment. If no credit memos, must be zero-filled
Total Invoice Amount	Numeric	41	12	Yes	Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 000000012345
Total Credit Memo Amount	Numeric	53	12	Yes	Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 000000012345 If no credit memos, must be zero-filled
Assignment Number	Alphanumeric	65	4	Yes	Must be unique for each client/debtor assignment, and should not be repeated for at least 30 days
Assignment Date	Date	69	6	Yes	MMDDYY. Date appearing on assignment form.
Factoring Fee Code	Numeric	75	1		Always zero unless notified otherwise. Allows different factoring fees for client/debtor assignments. Up to five rates can be specified (base plus four) by entering 0, 1, 2, 3, or 4. CIT will inform the lender if these fields are necessary.
Future Use		76	95		

Transmission Total Record

Must be the last record of the batch.

Name	Type	Pos	Len	Req	Description
Client Number	Numeric	1	4	Yes	Always "9999"
Trade Style		5	2	Yes	Always "99"
Record Type	Alphanumeric	7	1	Yes	Always "T"
Client Debtor Number		8	15	Yes	All 9's
Number of N/A Records	Numeric	23	6	Yes	Number of name and address records in the batch
Number of Invoice Records	Numeric	29	6	Yes	Number of Invoice Data Records in the batch
Number of Credit Memo Records	Numeric	35	6	Yes	Number of credit memo records in the batch. If no credit memos, must be zero-filled
Total Invoice Amount	Numeric	41	12	Yes	Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 000000012345
Total Credit Memo Amount	Numeric	53	12	Yes	Right-justified, leading zeros, decimal implied. Ex. \$123.45 = 000000012345 If no credit memos, must be zero-filled
Transmission Date	Date	65	6	Yes	MMDDYY
Future Use	Alphanumeric	71	100		

Check and Wire Interfaces

Check and Wire Interfaces Overview

Check and Wire Interfaces are used to generate payment files in various formats from the *Write Checks* screen. These files are written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.



Each of the available options has unique set up requirements and output file formats. The general set-up guidelines are explained below

Setting Up Check and Wire Interfaces

Set up the following to use the Check or Wire Interfaces:

- System Preferences
- G/L Account
- Client Information Bank Relationship panel

System Preferences

See the specific section following for System Preference Details.

G/L Account Set-up

Create an account for the wire file in the Tables module:

1. Select Accounts for the Accounting Menu. The Account Table screen opens.
2. Click **New** to create the new account,
3. Set up the wire account with the following attributes:
 - On the Accounting report tab, select **Special Non-G/L**.
 - On the Cash/wire account tab, set the **Wire pay-by code** to a unique value for the wire account
 - On the Cash/wire account tab, set the **Override crystal report module** to the appropriate code, as documented in specific link above.

Client Information Bank Relationship

You can configure clients to pay by wire or file transfer by default, so that when checks are written, these customers will be added to the wire file created for the receiver.

NOTE

If a client is not configured to pay by wire or file transfer in Client Information, you can manually select the wire or file pay-by method on the Payout tab of the Purchase/Schedule Batch screen to pay invoices for those batches.

To set a client to pay by wire or file transfer by default:

1. Select the client from the *Client List (F3)* screen and then click **Client Information**. The *Client Information* screen opens for the client.
2. Select the **Bank Relationships** panel.
3. Click **New**. The *Client/Bank Relationship* screen opens.
4. Complete the bank account information.
5. Select the pay-by method for the wire or file transfer account in the **Pay By** field.
6. Select the **Default Bank Account** option.
7. Click **Create**. Payments to the client will be included in the specified transfer file by default.

Automatic Check Interface Processing

A task (**Check Writer**) can be configured in the Engine to write check and wire interface files automatically, as opposed to when checks are written out of the Check Writer in the FactorSoft Desktop. To enable this functionality, a cash account must be set up for the check writer in the Tables module with **Cash account** and **Use Automatic Check Writer** options selected and the **Override crystal report module** set to an automatic check writer .dll name (which will always have the prefix "ECW_") on the Cash/wire Account tab of the Account Table screen, as shown below.

The screenshot shows the 'Account Table' window with the 'Cash/wire Account' tab selected. The window contains a table of accounts and a configuration panel below it.

Account #	Description
DESNEWZEALAND	DesBank New Zealand
DUEPARTICIPANT	Due from Participant
ECWACCD	ECWACCD
ECWAPPD	ECWAPPD
FLEETONE	Fleetone Wire
FRBWIRE	FRB Wire
IRB	IRB Wire

Buttons: New, Delete, Change, Help

Tabs: Standard | Accounting report | **Cash/wire Account** | Hold account | Variations | Balance forward

Cash account
 Use Automatic Check Writer Only
 Preview instead of printing
 Balances are included in report

Bank account#: 010101010101
Bank ABA#: 000000001
Swift Code:
ISO Country Code:
Alpha Prefix/Next Check Number: 1011
Override crystal report module: FSW_IBB

Wire pay-by code: 17
Override cash account: 1050-2 - Cash Account 2

Buttons: Ok, Exit, Print, Audit

A service template must also be created and scheduled for the **Check Writer** service in the Administration module. For more information on setting up service templates, see How to Schedule Services in the FactorSoft Administrator's Guide.

The Engine monitors the FactorSoft database for automatic check records and when one or more is discovered, the check writer .dll is executed to automatically write the check interface file in the appropriate format. In case of a failure, the Engine automatically emails the admin recipient(s) configured in the Engine.

Once the Accounts are set-up, navigate to the Write Checks Screen from the Write Checks module.

Payee	Type	Description	Amount	Hold
Wire Writer	RsvRel	Reserve Release	1.00	No
Wire Writer	RsvRel	Reserve Release	5.00	Yes
Wire Writer	RsvRel	Reserve Release	10.52	Yes

Double-Click Entry to Toggle Hold Status

Cash Account: FRBWIRE - FRB Wire

Check Date: December 11, 2019

First Check Number: 5031

Buttons: Ok, Hold All, Unhold All, Exit, Help

Footer: BBSADMIN, Bennett

820 FedWire Interface

The 820 FedWire Interface is used to generate a wire file in the 820 FedWire format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [820 FedWire File Specifications](#).

System Preferences

The 820 FedWire Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, 820 FedWire Interface parameters** folder, as described following:

Preference	Description
Check Writer Output folder	Specify the folder in which the file will be saved when it is created by the interface.
Export template to use for delivery of wire file	Indicates the existing export template to use in delivering the wire file.
Authorization Information Qualifier	Enter Authorization Information Qualifier.
Security Information Qualifier	Enter Security Information Qualifier.
Interchange Sender ID Qualifier	Enter Interchange Sender ID Qualifier.

Preference	Description
Interchange Sender ID	Enter Interchange Sender ID.
Interchange Receiver ID Qualifier	Enter Interchange Receiver ID Qualifier.
Interchange Receiver ID	Enter Interchange Receiver ID.
Repetition Separator	Repetition Separator [.]
Interchange Control Version Number	Always '00501'. Standard issued as ANSI X12 820
Interchange Control Number [RJZF]	Unique File ID, system-generated, sequential.
ACK Requested	'0' to represent that acknowledgment is requested.
Usage Indicator	Enter Test or Production [p=production / t=test]
Component Element Separator	&
Functional Identifier Code	Enter Functional Identifier Code.
Responsibility Agency Code	Enter Responsibility Agency Code.
Version Identifier Code	GS Version Identifier Code. [005010]
Transaction Set ID Code	Enter Transaction Set ID Code.
Transaction Set Control # [RJZF]	System generated, sequential
Transaction Handling Code	Enter Transaction Handling Code
Credit/Debit Flag Code	Credi/Debit Flag - Empty

Preference	Description
Payment Method Code	Enter Payment Method Code
Payor account FI type	Enter Payer Account FI Type [01=ABA / 02=BIC]
Payor Account FI value	Enter Payer Account FI Value
Originating Account Number Qualifier	Enter Originating Account Number Qualifier.
Originating Account Number	Enter Originating Account Number.
Beneficiary Account Number Qualifier	Enter Beneficiary Account Number Qualifier.
Trace Type Code	Enter Trace Type Code.
Entity ID Code	Enter Entity Code ID.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_820F**.

820 FedWire File Specifications

The 820 FedWire file is .txt file with the following specifications.

Field Name	Required	Len	Description
ISA 01	Yes	2	Authorization Information Qualifier Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Authorization Information Qualifier.
ISA 03	Yes	2	Security Information Qualifier Set in System Preference Identification/system con-

Field Name	Required	Len	Description
			stants , Interface parameters, 820 FedWire Interface parameters, Security Information Qualifier.
ISA 05	Yes	2	Interchange Sender ID Qualifier Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Interchange Sender ID Qualifier.
ISA 06	Yes	15	Interchange Sender ID Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Interchange Sender ID.
ISA 07	Yes	2	Interchange Receiver ID Qualifier Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Interchange Receiver ID Qualifier.
ISA 08	Yes	15	Interchange Receiver ID Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Interchange Receiver ID.
ISA 11	Yes	1	Repetition Separator [.]
ISA 12	Yes	5	Interchange Control Version Number [00501] Hard-coded
ISA 13	Yes	9	Interchange Control Number [RJZF]
ISA 14	Yes	1	ACK Requested [0=no, 1=yes]
ISA 15	Yes	1	Usage Indicator [p=production, t=test] Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Usage Indicator.
ISA 16	Yes	1	Component Element Separator [&] Hard-coded
GS 01	Yes	2	Functional Identifier Code Set in System Preference Identification/system con-

Field Name	Required	Len	Description
			stants , Interface parameters, 820 FedWire Interface parameters, Functional Identifier Code .
GS 07	Yes	2	Responsibility Agency Code Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Responsibility Agency Code .
GS 08	Yes	12	Version Identifier Code [005010] Hard-coded
ST 01	Yes	3	Transaction Set ID Code Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Transaction Set ID Code .
ST 02	Yes	9	Transaction Set Control # [RJZF]
BPR 01	Yes	2	Transaction Handling Code Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Transaction Handling Code .
BPR 03	Yes	1	Credit/Debit Flag Code, empty
BPR 04	Yes	3	Payment Method Code Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Payment Method Code .
BPR 06	Yes	2	Payor account FI type [01=ABA, 02=BIC] Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Payer Account FI Type .
BPR 07	Yes	12	Payor Account FI value Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Payer Account FI Value .

Field Name	Required	Len	Description
BPR 08	Yes	3	Originating Account Number Qualifier Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Operating Account Number Qualifier .
BPR 09	Yes	34	Originating Account Number Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Originating Account Number .
BPR 14	Yes	3	Beneficiary Account Number Qualifier Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Beneficiary Account Number Qualifier .
TRN 01	Yes	1	Trace Type Code Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Trace Type Code .
CUR 01	Yes	1	Entity ID Code Set in System Preference Identification/system constants , Interface parameters, 820 FedWire Interface parameters, Entity ID Code .

Sample Wire File

The below image is a sample of what to expect in each 820FedWire File.

```

Sample820F_20191009_09135858.txt - Notepad
File Edit Format View Help
ISA*00*          *00*          *ZZ*MagnetTrade  *ZZ*BBVACompass  *191009*0913*:*00501*987654336*1*t*&~
GS*RA*MagnetTrade*BBVACompass*20191009*0913*987654336*X*005010~
ST*820*000000009~
BPR*D*10**FWT**01*062001186*DA*6746690825***01*000000001*DA*010101010101*20190425~
NTE*OBI*Reserve Release~
TRN*1*201~
CUR*ZZ*USD~
N1*PR*BBVA Compass Magnet Trade~
N3*2200 Post Tree Blvd.*~
N3*Birmingham AL 77056*~
N1*BE*Client A~
N3*1111 Wells Street~
N3*Pleasantry AL~
N1*RB*Wells Fargo~
N3*1111 Wells Street~
N3*Pleasantry AL~
SE*15*000000009~
GE*1*987654336~
IEA*1*987654336~

```

Bank of America Positive Pay Interface

The Bank of America Positive Pay Interface is used to generate a wire file in the BofA Positive Pay format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution. A Positive Pay file contains a list of checks written for any given day and is used to help detect fraud on the account (pending and zchecks are not included).

Click here for the [Bank of America Positive Pay File Specifications](#).

System Preferences

The BofA PositivePay Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, BofA Positive Pay Interface parameters** folder, as described following:

Preference	Description
Account Number	Enter Bank of America Account Number
Last Positive Pay Extract Date	Last Positive Pay Extract Date (MMDDYY). Auto-populates with the last date/time the Bank of America Positive Pay Export was ran.



Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **BofA_PositivePay**.

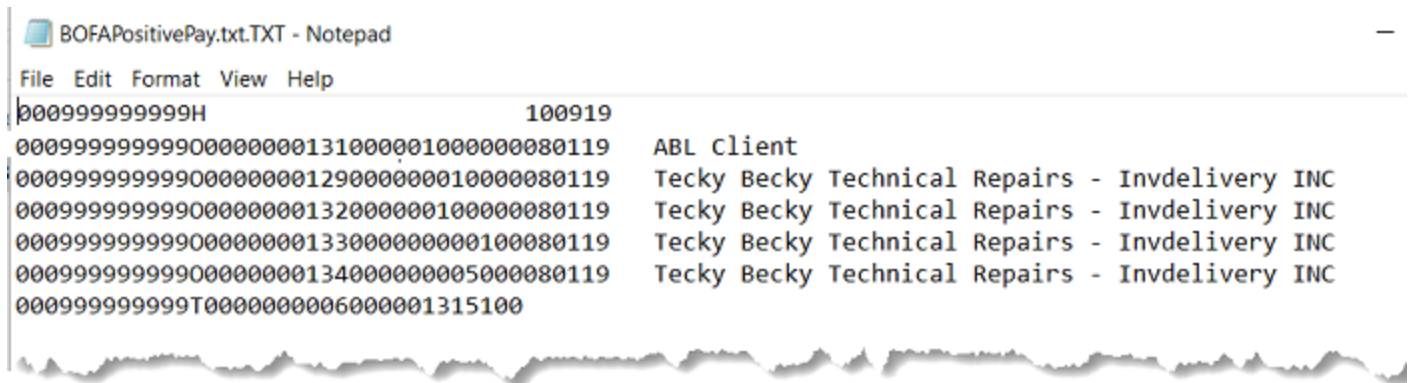
Bank of America Positive Pay File Specifications

The BofA Positive Pay file is a .txt generated file in the following format:

Name	Type	Len	Description	Hard Coded / System Preference
Account Number	Numeric	12	Bank of America Account Number	Set in System Preference > Identification/System Constants > Interface Parameters > BofA_PositivePay > Account Number
Date	Numeric	6	MMDDYY	Set in System Preference > Identification/System Constants > Interface Parameters > BofA_PositivePay > Date

Sample Wire File

The below image is a sample of what to expect in each BofA_PositivePay Wire File.



Bank of America Interface

The Bank of America Interface is used to generate a wire file in the BofA format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [BofA File Specifications](#).

NOTE

For domestic same day ACH transactions, the Pay by Method's Account Number on the Standard tab, used on the transaction must be **ACHSD**.

System Preferences

The BofA Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, Bank of America export parameters** folder, as described following:

Preference	Description
Account number	Enter the Lender's BOA Account Number. This data is used in field 4 of the Partner Identification Record.
ACH Company I.D.	Enter the BOA ACH Company ID. This data is used in field 2 of the P20 record.
Company I.D.	Enter the unique ID assigned to BofA customer's business entity. This data is used in field 3 of the Sign On Record.
Output path	Specify the folder in which the file will be saved when it is created by the interface.
Testing indication	Set to True to indicate that the output file is a test file. Set to False to indicate that the file is a production file. This indicator is set in the output file in field 8 of the Partner Identification File.
Transit routing ABA number	Enter the originator (BofA) transit and routing number. This data is used in field 3 of the P40 record.
Ordering Party ID	Enter the Ordering Party Id used in field 3 of the P50 record.
GPG encryption required	Set this option to True to encrypt the Bank of America export files using GPG encryption. If set to True, the three other GPG preferences must be set to successfully create the interface file.
GPG encryption key	Enter the public key used to encrypt the files.
GPG decryption key	Enter the private key used to decrypt the file.
GPG program path	Enter the path to the GPG encryption program. Enter the path only, not the executable name (GPG.exe).
Foreign Transactions	Enter the BOA ACH Company ID for foreign transactions. This data is used in

Preference	Description
ACH Company I.D.	field 2 of the P20 record.
Foreign Transactions Branch Code	Enter the foreign transaction branch code.
Foreign Transactions Output Path	Specify the folder in which the foreign transaction file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_BOFA**.

Bank of America File Specifications

The file is an ASCII file with each record being 80 characters in the following format:

Field	Name	Type	Pos	Len	Req	Description
Sign On Record - Exactly 1 per file; First Record in File						
1	Sign On Identification	Alphanumeric	1	6	Yes	Always 'SIGNON'
2	Set Identification	Alphanumeric	7	3	Yes	Always 'REC'
3	Company ID	Alphanumeric	10	10	Yes	<p>Unique ID assigned to BofA Customer's business entity (division, financial service center, subsidiary, etc.).</p> <p>1. If Domestic ACH, then System Preference > Identification/System Constants > Interface Parameters > Bank of Export parameters > ACH Company ID</p> <p>2. If Foreign ACH, then System Preference > Identification/System Constants > Interface Parameters ></p>

Field	Name	Type	Pos	Len	Req	Description
						Bank of Export parameters > Foreign ACH Company ID 3. If Wire, then System Preference > Identification/System Constants > Interface Parameters > Bank of Export parameters > Company ID
4	File Creation Date	Numeric	20	8	Yes	YYYYMMDD
5	File Creation Time	Numeric	28	6	Yes	HHMMSS
6	File ID	Alphanumeric	34	8	Yes	Unique Transmission number (last transmission file + 1)
7	FILLER	Blanks	42	39	No	
Partner Identification Record - 1 per payment, 1 to many per file						
1	Tag Identification	Alphanumeric	1	3	Yes	Always 'CRF'
2	Set identification	Alphanumeric	4	6	Yes	Always 'BAF820'
3	Company ID	Alphanumeric	10	10	Yes	ECS ORIGINATOR ID. Same as Field 3 of Sign On Record
4	Ordering Bank Branch ID and Account Number	Alphanumeric	20	35	Yes	Lender's BOA Account Number 1. If Domestic ACH, then Account Table > Pay by Method > Cash/Wire Account Tab > Bank Account # or Override Cash Account > Bank Account # 2. If Foreign ACH, then System preferences > Identification/System Constants > Interface Parameters > Bank of Export parameters > Foreign Transaction Branch Code + Account Table > Pay

Field	Name	Type	Pos	Len	Req	Description
						by Method > Cash/Wire Account Tab > Bank Account # or Override Cash Account > Bank Account #
5	Payment Method Code	Alphanumeric	55	3	Yes	Variable - "ACH" for ACH, "FWT" for wire, "SWT" for SWIFT
6	Payment Due Date	Numeric	58	8	Yes	Today for wires (FWT) or Today + 1 business day for ACH transactions
7	Currency	Alphanumeric	66	3	Yes	Currency code
8	Production/Test Indicator	Alphanumeric	69	2	Yes	P0=Production Transmission T1=Test Transmission Set in System Preference Identification/system constants , Interface parameters, Bank of America export parameters, Testing indication. True = T1 (test), False = P0 (production).
9	File Layout Version Number	Date	71	7	Yes	CRF01.8
10	Filler	Blanks	78	3	No	
P20 Record - Payment Details. 1 per transaction, 1 to many per batch						
P20.1	Record Type	Alphanumeric	1	3	Yes	Always 'P20'
P20.2	Unique Company ID	Alphanumeric	4	10	Yes	BOA ACH Company ID 1. If Domestic ACH, then Sys- tem Preference > Iden- tification/System Constants > Interface Parameters > Bank of Export parameters > ACH Company ID

Field	Name	Type	Pos	Len	Req	Description
						<p>2. If Foreign ACH, then System Preference > Identification/System Constants > Interface Parameters > Bank of Export parameters > Foreign ACH Company ID</p> <p>3. If Wire, then System Preference > Identification/System Constants > Interface Parameters > Bank of Export parameters > Company ID</p>
P20.3	Payment Creation Date	Numeric	14	8	Yes	YYYYMMDD
P20.4	Payment Method	Alphanumeric	22	3	Yes	9th digit of Destination R/T
P20.5	Message/Payment Ref No.	Alphanumeric	25	15	Yes	FactorSoft check number
P20.6	Payment DueDate	Numeric	40	8	Yes	Same as PAR Identification Record Field 6
P20.7	Payment Amount	Numeric	48	18	Yes	9(8)V99
P20.8	Payment Currency Code	Alphanumeric	66	3	Yes	ISO currency code from FactorSoft Client Information
P20.9	Payment Handling Code	Alphanumeric	69	3	Yes	Always "D". Constant to indicate payment only
P20.10	Payment Debit/Credit Code	Alphanumeric	72	3	Yes	Always "C". Constant to indicate Credit to the receiver
P20.11	Payment Format	Alphanumeric	75	3	Yes	Always "CTX"
P20.12	Payment offset (settlement)	Alphanumeric	78	1	Yes	Always "C"
P20.13	Foreign Character Transaction Flag	Alphanumeric	79	1	Yes	Blank
P20.14	Filler	Blanks	80	1		

Field	Name	Type	Pos	Len	Req	Description
P32 Record - Wire Special Instructions 1 to 3 per transaction						
P32.1	Record Type	Alphanumeric	1	3	Yes	Always 'P32'
P32.2	Sender of Instruction	Alphanumeric	4	3	No	Blank
P32.3	Receiver of Instruction	Alphanumeric	7	3	No	Blank
P32.4	Instruction Code	Alphanumeric	10	3	No	Always "ADD"
P32.5	Instruction Text	Alphanumeric	21	12	Yes	<p>The first 35 characters of the Special Instructions from Client/Bank Relationship screen. The P32 record is repeated if the instruction is more than 35 characters, up to three records. As an example, if Special Instructions were: "For the further credit to Onion Bank Watkins Account; Account Number WA99", three P32 records would be created:</p> <p>P32 ADDFor the further credit to Onion Ban</p> <p>P32 ADDk Watkins Account; Account Num</p> <p>P32 ADDber WA999</p>
P32.6	Filler	Blanks	48	33		
P40 Record - Originator Bank Information - 1 per transaction						
P40.1	Record Type	Alphanumeric	1	3	Yes	Always 'P40'
P40.2	Originator Bank Branch & Account Number	Alphanumeric	4	35	Yes	<p>Lender BOA Account number. Omit dashes/spaces in account number.</p> <p>1. If Domestic ACH, then Sys-</p>

Field	Name	Type	Pos	Len	Req	Description
						<p>tem Preference > Identification/System Constants > Interface Parameters > Bank of Export parameters > Cash/Wire Account Tab > Then System Preference > Identification/System Constants > Interface Parameters > Bank of Export parameters > Account number</p> <p>2. If Foreign ACH, then System preferences > Identification/System Constants > Interface Parameters > Bank of Export parameters > Foreign Transaction Branch Code + Account Table > Pay by Method > Cash/Wire Account Tab > Bank Account # or Override Cash Account > Bank Account #</p>
P40.3	Originator Bank ID Code	Alphanumeric	39	11	Yes	<p>BOA Routing and Transit number. Required for checks / drafts.</p> <p>Set in System Preference Identification/system constants, Interface parameters, Bank of America export parameters, Transit routing ABA number.</p>
P40.4	Originator Bank Account Currency Code	Alphanumeric	50	3	Yes	Always "USD"
P40.5	Originator Bank ISO Country Code	Alphanumeric	53	2	Yes	Always "US"

Field	Name	Type	Pos	Len	Req	Description
P40.6	Financial Charges Allocation Code	Alphanumeric	55	2	Yes	Always "15" to indicate that all charges are borne by the payment originator
P40.7	Filler	Blanks	57	24		
P41 Record - Receiving Bank Information - 1 per transaction (Conditional - not required for check/draft payments)						
P41.1	Record Type	Alphanumeric	1	3	Yes	Always 'P41'
P41.2	Receiving Bank ID Code Qualifier	Alphanumeric	4	3	Cond	"ACH" for ACH, "FWT" for Wires, and "SWT" for Swift
P41.3	Receiving Bank Sort (ID) Code	Alphanumeric	7	11	Cond	From FactorSoft Client Information, Bank Relationship. For Canadian ACH: 1. If Client Bank Relationship has ABA, then ABA # 2. If Client Bank Relationship has both an ABA# and Swift Code, then Swift
P41.4	Receiving Bank Account Type	Alphanumeric	18	3	Cond	Always "DA"
P41.5	Receiving Bank Account Number	Alphanumeric	21	35	Cond	Account Number of receiving (client's) bank account. Omit dashes/spaces or any other special characters
P41.6	Building Society Roll Number	Alphanumeric	56	19	Cond	Blank
P41.7	Receiving Bank ISO Country Code	Blanks	75	2	Cond	ISO Country Code. From FactorSoft Client Information, Bank Relationship.

Field	Name	Type	Pos	Len	Req	Description
						<u>Important Note:</u> any non-US bank <u>must</u> have the ISO Country Code set in the Client Information, Bank Relationship tab. If no code is set, FactorSoft assumes the bank is a US bank, and when the file is received at BofA, an ABA# is expected and the transactions will error when none is found. Therefore, the best policy is to always provide the ISO Country Code for all bank accounts.
P41.8	Filler	Blanks	57	24		
P42 Record - Receiving Bank Address Record - 1 per transaction (Conditional)						
P42.1	Record Type	Alphanumeric	1	3	Yes	Always 'P42'
P42.2	Receiving Bank ID Code Qualifier	Alphanumeric	4	2	Cond	Constant of "RB" to indicate Receiving Bank (Beneficiary's Bank). Used for U.S. Wire Transactions.
P42.3	Receiving Bank Name	Alphanumeric	6	33	No	Bank Name from FactorSoft Client Information, Bank Relationship.
P42.4	Receiving Bank Branch Number	Alphanumeric	39	12	Cond	Blanks
P42.5	Receiving Bank Branch Name/Place (City)	Alphanumeric	51	30	Cond	Blank
P45 Record - Intermediary Bank Information- 1 per transaction (Conditional)						
P45.1	Record Type	Alphanumeric	1	3	Yes	Always 'P45'

Field	Name	Type	Pos	Len	Req	Description
P45.2	Intermediary Bank Code Qualifier	Alphanumeric	4	3	Cond	"SWT" if P45.3 is SWIFT Code, "FWT" if P45.3 is a ABA#
P45.3	Intermediary Bank Sort (ID) Code	Alphanumeric	7	11	Cond	Receiving Bank SWIFT code or Transit Routing ABA# for the RECEIVING (Client's) bank (P45.2 identifies this field)
P45.4	Intermediary Bank Account Type Code	Alphanumeric	18	3	Cond	
P45.5	Intermediary Bank Account Number	Alphanumeric	21	35	Cond	
P45.6	Intermediary Bank ISO Country Code	Alphanumeric	56	2	Cond	
P45.7	Filler	Blanks	58	23		
P46 Record - Intermediary Bank Supplementary Information- 1 per transaction (Conditional - for electronic payments)						
P46.1	Record Type	Alphanumeric	1	3	Yes	Always 'P46'
P46.2	Intermediary Bank Code Qualifier	Alphanumeric	4	2	Cond	"IK" for U.S. Wires, "Z6" for International Wires
P46.3	Intermediary Bank Name	Alphanumeric	6	33	No	
P46.4	Intermediary Bank Branch Number	Alphanumeric	39	12	Cond	
P46.5	Intermediary Bank Branch Name/Place	Alphanumeric	51	30	Cond	
P50 Record - Ordering Party Name Information- 1 per transaction (Mandatory)						
P50.1	Record Type	Alphanumeric	1	3	Yes	Always 'P50'
P50.2	Ordering Party Name	Alphanumeric	4	35	Yes	Instruction originator name
P50.3	Ordering Party ID	Alphanumeric	39	15	No	Set in System Preference Identification/system con-

Field	Name	Type	Pos	Len	Req	Description
						starts , Interface parameters, Bank of America export parameters, Ordering party ID.
P50.4	Ordering Party Country Code	Alphanumeric	54	2	No	Blank
P50.5	Filler	Blanks	56	25		
P53 Record - Receiving Party Name Information - 1 per transaction (Mandatory)						
P53.1	Record Type	Alphanumeric	1	3	Yes	Always 'P53'
P53.2	Receiving Party Name 1	Alphanumeric	4	35	Yes	"Payable To" field from FactorSoft. The first 35 characters of the Payee in the CheckHdr record.
P53.3	Receiving Name 2	Alphanumeric	39	35	No	Any remaining characters from the Payee in the CheckHdr record.
P53.4	Receiving Party ISO Country Code	Alphanumeric	74	2	Cond	ISO Country Code of the Payee
P53.5	Filler	Blanks	76	5		
P80 Record - File Trailer Record- 1 per file (Mandatory)						
P80.1	Record Type	Alphanumeric	1	3	Yes	Always 'P80'
P80.2	File Trailer Record Count	Numeric	4	15	Yes	Number of physical records in file, including signon and trailer record
P80.3	File Trailer Credit Transaction Count	Numeric	19	15	Yes	Number of P20 credit transactions
P80.4	File Trailer Debit Transaction Count	Numeric	34	15	Yes	Always 15 zeros (no debits sent)
P80.5	File Trailer Acct Number Hash Total	Numeric	49	10	Yes	Sum of P41.5 elements if P41 Records are present, zero fill if P41.5 records are not

Field	Name	Type	Pos	Len	Req	Description
						present. Add 15 leftmost digits (substitute a '1' for any non-numeric character). Truncate sum to 10 rightmost digits only.
P80.6	Payment Amount Control Total	Numeric	59	18	Yes	Sum of P20.7, without decimal point, right justified, zero filled to left
P80.7	Filler	Blanks	77	4		

Bank of Oklahoma Interface

The Bank of Oklahoma Interface is used to generate a wire file in the BOK format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for "Bank of Oklahoma File Specifications" below.

System Preferences

The BOK Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, Bank of Oklahoma** folder, as described following:

Preference	Description
File prefix	Enter the file prefix constant for the output wire file.
Output Folder	Enter the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_BOK**.

Bank of Oklahoma File Specifications

The file is an ASCII file a .txt extension with each record being presented in the following format:

Pos	Name	Type	Max Len	Description
1	Company Name	Text	30	Sender name. Set in System Preference Identification/system constants , Name & address, Lender name
2	Debit Account Number	Numeric	34	Wire account to be debited. Bank account # for Check/wire Account from FactorSoft Account table record.
3	Beneficiary Name	Text	35	Payee name from FactorSoft CheckHdr record.
4	Beneficiary Account Number	Numeric	34	Client Bank Account # from FactorSoft Client Information record (set on Client/Bank Relationship screen, accessed from Bank relationship panel).
5	Currency	Text	3	Process only supports "USD". If Cash Account Currency type is other than "USD", the process produces an error
6	Not Used	Text	1	Blanks
7	Not Used	Text	1	Blanks
8	Not Used	Text	1	Blanks
9	Beneficiary Bank Code	Numeric	22	Payee bank routing number, from Client Information Client/Bank Relationship.
10	Transaction amount	Numeric	15	Transaction wire amount. Trim leading zeros, include decimal. Amount from FactorSoft CheckHdr record.
11	Send Date	Date		Send date of wire file. Format = MM/DD/YYYY.
12	Orig to Ben Information	Text	35	Adendum information, Originator to Beneficiary detail. First 35 of Special Instructions from FactorSoft Client Information Client/Bank Relationship.
13	Line 2	Text	35	Adendum information, Originator to Beneficiary detail. Next 35 of Special Instructions from FactorSoft Client Information Client/Bank Relationship.

Pos	Name	Type	Max Len	Description
14	Line 3	Text	35	Adendum information, Originator to Beneficiary detail. Next 35 of Special Instructions from FactorSoft Client Information Client/Bank Relationship.
15	Line 4	Text	35	Adendum information, Originator to Beneficiary detail. Next 35 of Special Instructions from FactorSoft Client Information Client/Bank Relationship.
16	Bank to Bank Information	Text	35	Blanks
17	Line 2	Text	35	Blanks
18	Line 3	Text	35	Blanks
19	Line 3	Text	35	Blanks

CitiDirect ACH/CCD/PPD Interface

The CitiDirect ACH/CCD/PPD Interface is used to generate wire files in the CitiDirect format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [CitiDirect ACH/CCD/PPD File Specifications](#).

System Preferences

The CitiDirect ACH/CCD/PPD Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, CitiDirect - General, CitiDirect - Credit (CCD or PPD)** folder, as described following:

Preference	Description
CitiDirect General	
Output Path	Specify the folder in which the file will be saved when it is created by the interface.
Client Transaction Reference	If set up in CitiDirect is "Manual" then select Manual for system generated Transaction Reference number value. If set up in CitiDirect is "Full Auto" or "Prefix Auto" then select "Full Auto, Prefix Auto" for Null field.

Preference	Description
CitiDirect - Credit (CCD or PPD)	
ACH Credit (CCD or PPD) Account Number	drop-down to select Account Number Note: The Account Numbers must be set up before this list will populate. Set up Accounts at File > Tables > Accounting > Account Table . Each Account Number must be unique and must be associated with FSW_CTDR to populate this list.
Confidential	Enter "C" = Confidential or Leave Blank = Not Confidential
Individual Company ID	Enter Company ID
Originating Company Name	Enter Originating Company Name. If no value is provided, payments application will auto-populate from Client Definition Name and Client Definition number.
Originating Company ID	Enter Originating Company ID. If no value is provided, payments application will auto-populate from Client Definition Name and Client Definition number.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_CTDR**.

CitiDirect ACH/CCD/PPD File Specifications

The CitiDirect ACH/CCD/PPD file is hash-tag delimited .txt file with the following specifications.

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences
1	Place Holder	Null				
2	Country Code	Required	Alpha	2	Must contain "US" in upper case (caps)	Hard Coded
3	Payment	Required	Alpha	3	Must contain	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences
	Method				"ACH" in upper case (Caps)	
4	Value Date	Conditional	Numeric	8	Null	Hard Coded
5-9	Place Holder	Null				
10	Payment Amount	Required	Numeric	8.20	(1) Must have explicit decimal or value will be interpreted as whole dollars. (2) Field cannot be blank. (3) Field must contain "0" (zero) or a numeric value greater than zero. (4) If the "Payment Amount" = zero, then the Pre-Note field (Field 33) must contain the value "Y". (5) if the "Payment Amount" does not equal zero then the Pre-Note field (Field 33) must contain "N" or Null.	Checkhdr.Amt

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences
11	Place Holder	Null				
12	Debit Account/Debit Party Account	Required	Numeric	8	(1) Citibank North American - US accounts are 8 digits	Account-s.BankAccountNo or if using Cash Override Account (Account-s.AtCashAcct), it's Account-s.BankAccountNo
13-22	Place Holder	Null				
23	Processing Date	Conditional	Numeric	8	YYYYMMDD 1) Date may be current business date or any business date up to 21 business days in the future. Customer must provide either Value Date or Processing date based on the settings in client preferences.	Checkhdr.CheckDate
24	Place Holder	Null				
25	Transaction Reference Number	Conditional	Alpha	16 or if Prefix Auto, 8	1) CitiDirect follows the Transaction Reference Number	If System Preference > Identification/System Constants > Interface Parameters > CitiDirect - General > Client Transaction Reference

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences
					<p>assignment rules established in Client Configuration. (2) If the Client set up in CitiDirect is "Full Auto" or "Prefix Auto" then no transaction reference number should be provided in the import file (FIELD 25). (3) If a transaction reference number is provided in the file. That value will be used and will override the "Full Auto" or "Prefix Auto" the system generated transaction reference number. (4) If the Client set up in CitiDir-</p>	<p>in (Full Auto, Prefix Auto), then Field 25 = Null. If Manual, then system generate Transaction Reference number value.</p>

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences
					ain a value.	
26	Place Holder	Null				
27	Confidential	Optional	Alph	1	1) Valid Values are "C" = Confidential, Null = Not Confidential	System Preferences > Identification/System Constants > Interface Parameters > CitiDirect Credit (CCD or PPD) > Confidential, If Blank, Then Null
28-29	Place Holder	Null				
30	Transaction Type	Optional	Alpha	3	(1) Valid Values are "CCD" and "PPD", Null = "CCD"	IF generating file for Account = ACH Credit CCD, Then CCD. If generating file for Account = ACH Credit PPD, Then PPD
31	Entry Description	Optional	Alpha	7	(1) If this field is Null it will default to "PAYMENT"	Hard Coded
32	Individual Company ID	Optional	Alpha/Numeric	15		Set in System Preferences > Identification/System Constants > Interface Parameters > CitiDirect Credit (CCD or PPD) > Individual Company ID,

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences
						If Blank, Then Null
33	Pre-Note	Optional	Alpha	1	1) Valid Values are "Y" = YES, "N" = NO, Null = "N" (2) If Payment Amount > 0 then this field's value must be "N" (3) If Payment Amount = 0 then this field's value must be "Y" (4) If Value = "Y" then Payment Amount must = 0 (zero).	Hard Coded
34	Place Holder	Null				
35	Originating Company Name	Optional		16	If no value provided in file, then payments application will auto populate from Client Definition Name and Client Definition number	Set in System Preferences > Identification/System Constants > Interface Parameters > CitiDirect Credit (CCD or PPD) > Originating Company Name ; If blank, then Null

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences
36	Originating Company ID	Optional		10	If no value provided in file, then payments application will auto populate from Client Definition Name and Client Definition number	Set in System Preferences > Identification/System Constants > Interface Parameters > CitiDirect Credit (CCD or PPD) > Originating Company ID; If blank, then Null
37-42	Place Holder	Null				
43	Beneficiary Account or Other ID Type	Optional		2	(1) Valid Values are "01" = Checking, "02" = Savings, Null = "01" Checking. (2) If the Beneficiary Bank Routing Code = "031100209" then this field must contain "01"	Hard Code
44	Beneficiary Account or other ID	Required	Number	17		CliBank.BankAccountNo
45	Beneficiary Name	Required	??	30		Checkhdr.Payee
46-50	Place Holder	Null				
51	Beneficiary	Required	Numeric	Jan-00	(1) ABA Num-	CliBank.AbaNo

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences
	Bank Routing Code				ber of ACH. (2) Can have leading Zero as one of the 9 digits	
52	Place Holder	Null				
53	Place Holder	Null				
54	Place Holder	Null				
55	Beneficiary Bank Name	Optional	??	35	(1) If blank on import file FIELD 55 then it will auto-fill correct information from CitiDirect Bank Library.	ClBank.BankName
56-83	Place Holder	Null				
84	Addenda Information	Optional		80		ClBank.SpecInst
85	Memo Details	Optional		140		Hard Code
	RECORD TERMINATOR				Carriage Return line feed (CRLF)	

Sample Wire File

The below image is a sample of what to expect in each CitiDirect ACH CCD/PPD File.

```
#US#ACH#####3.00##DEBIT ACCOUNT#####20120104#####CCD#PAYMENT##N#####01#CREDIT
ACCOUNT#Jane Doe#####04400024#####
#US#ACH#####3.00##78787878#####20141117#####CCD#PAYMENT##N#####01#2980068136#
Jane Doe#####04400024###WELLS FARGO BANK TEXAS NA#####
#US#FT#20111104#####1.00##DEBIT ACCOUNT#####OUR###TRANSACTION REFERENCE
NUMBER#####NOT A BANK#/ACCT/#BENE ACCOUNT#BENE NAME#NONE#US
SIT###IS#CITIUS33#####PAYMENT DETAILS#####
#US#FT#20111105#####3.00##DEBIT ACCOUNT#####OUR###TRANSACTION REFERENCE
NUMBER#####NOT A BANK#/ACCT/#BENE ACCOUNT#BENE NAME#NONE#US
SIT###IS#CITIUS33#####PAYMENT DETAILS#####
```

CitiDirect Book Transfer Interface

The CitiDirect Book Transfer Interface is used to generate wire files in the CitiDirect format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [CitiDirect Book Transfer File Specifications](#).

System Preferences

The CitiDirect Wire File Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, CitiDirect - General, CitiDirect - Wire/FT** folder, as described following:

Preference	Description
CitiDirect General	
Output Path	Specify the folder in which the file will be saved when it is created by the interface.
Client Transaction Reference	If set up in CitiDirect is "Manual" then select Manual for system generated Transaction Reference number value. If set up in CitiDirect is "Full Auto" or "Prefix Auto" then select "Full Auto, Prefix Auto" for Null field.
CitiDirect - Book Transfer	
Book Transfer	drop-down to select Account Number

Preference	Description
Account Number	Note: The Account Numbers must be set up before this list will populate. Set up Accounts at File > Tables > Accounting > Account Table . Each Account Number must be unique and must be associated with FSW_CTDR to populate this list.
Priority Flag	Enter "Y" = Yes or Blank = No
Charges Indicator	Enter valid values "OUR" or "BEN" in Upper Case (CAPS)

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_CTDR**.

CitiDirect Book Transfer File Specifications

The CitiDirect Book Transfer file is hash-tag delimited .txt file with the following specifications.

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
1	Place Holder	Null	Null			
2	Country Code	Required	X	2	Must be "US" in Upper Case (Caps).	Hard Coded
3	Payment Method	Required	x	3	(1) Must Contain "BKT" in Upper Case (Caps)	Hard Coded
4	Value Date	Required	Numeric	8	(1) Date may be current business date or any business date up to 21 business days in the future.	Checkhdr.CheckDate
5	Priority Flag	Optional	Alpha	1	(1) Valid Values: "Y"	Set in System Prefer-

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					= Yes Null = no	ences > Iden- tification/System Con- stants > Interface Parameters > CitiDirect - Book Transfer > Priority Flag. If Blank, Then Null
6-9	Place Holder	Null				
10	Payment Amount	Required	Numeric	10.20	(1) Must have explicit decimal or value will be interpreted by CitiDirect as whole dollars.	Checkhdr.Amt
11	Place Holder	Null				
12	Debit Account	Required	Numeric	8	(1) NA-US Citibank accounts are 8n NOTE: The Debit and Credit account must be from the same Citi Branch for Book Transfer (BKT). If it is an account within another Citi Branch, it will be considered FT Wire. Example: Debit account is at Citi NY Branch then Credit Account must also be at Citi NY Branch.	Account- s.BankAccountNo or if using Cash Override Account (Account- s.AtCashAcct), it's Account- s.BankAccountNo
13-21	Place Holder	Null				

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
22	Charges Indicator	Required	x	3	Valid Values are "OUR", "BEN" which must be in Upper Case (Caps)	Set in System Preference > Identification/System Constants > Interface Parameters > CitiDirect - Book Transfer > Charges Indicator
23-24	Place Holder	Null				
25	Transaction Reference Number	Conditional	x	16 or if Prefix auto 8	1) CitiDirect follows the Transaction Reference Number assignment rules established in Client Configuration. (2) If the Client set up in CitiDirect is "Full Auto" or "Prefix Auto" then no transaction reference number should be provided in the import file (FIELD 25). (3) If a transaction reference number is provided in the file. That value will be used and will override the "Full Auto" or "Prefix Auto" the system generated transaction reference number. (4) If the Client set up in CitiDirect is	If System Preference > Identification/System Constants > Interface Parameters > CitiDirect - General > Client Transaction Reference in (Full Auto, Prefix Auto), then Field 25 = Null. If Manual, then system generate Transaction Reference number value.

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					"Manual" then the import file Field 25 must contain a value	
26	Beneficiary Reference	Optional	x	16	(1) If not provided in import file and Beneficiary is (Field 42) = "A Bank", CitiDirect will populate with "NONREF". (2) If not provided in import file and Beneficiary is (Field 42) - "Not a Bank", CitiDirect will leave it blank. (3) if a value for this field is provided in the import file, and Beneficiary is (Field 42) - "Not A Bank", CitiDirect will populate Payment Details Line 1 with "/RFB/" followed by the value entered in this field when the transaction is sent to the back end processing system.	Hard Coded
27-	Place Holder	Null				

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
34						
35	Ordering Party ID Type	Optional	x	6	<p>1) If not provided on import file, CitiDirect will auto-fill based on Client Preference. (2) If no Client Preference, CitiDirect will auto-fill with /ACCT/.</p> <p>Valid values are:</p> <p>//FW = ABA#</p> <p>/ACCT/ = Account</p> <p>/ARNU/ =Alien Registration ID</p> <p>//CP = Chips ID</p> <p>//CH = Chips UID</p> <p>/DRLC/ = Driver's License</p> <p>/OTHR/ = Other ID</p> <p>/CCPT/ = Passport</p> <p>IS = Swift/Bic</p> <p>/TXID/ = Tax ID</p> <p>UNKNOWN = UNKNOWN.</p>	Hard Coded
36	Ordering Party ID Type	Conditional	x	34	Required if the "Ordering Party ID	Hard Coded



Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					Type" (Field 35) has been entered and is not = "UNKNOWN". Maximum length is 34 if "Ordering Party ID Type" (Field 35) = /ACCT/. Maximum length is 29 if "Ordering Party ID Type" (Field 35) is anything other than /ACCT/ or UNKNOWN.If Ordering Party ID Type (Filed 35), Ordering Party Name (Filed 37) and Ordering Party ID (Field 36) is not provided on import file, CitiDirect will auto-fill based on Client Preference. . If no Client Preference, CitiDirect will auto-fill with Debit Account Number.	
37	Ordering Party Name	Conditional	x	35	If not provided on import file, CitiDirect will auto-fill based on Client Preference. If no Client Preference, CitiDirect will auto-fill with Debit	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					Account Name.	
38	Ordering Party Address 1	Optional	x	35	If not provided on import file, CitiDirect will auto-fill based on Client Preference. If no Client Preference, CitiDirect will auto-fill with Debit Account Address.	Hard Coded
39	Ordering Party Address 2	Optional	x	35		Hard Coded
40	Ordering Party Address 3	Optional	x	35		Hard Coded
41	Place Holder	Null				
42	Beneficiary Is	Required	x	10	Valid Values are: "A BANK", "NOT A BANK". Please ensure entry respects Title Case (upper and lower case) exactly as indicated here.	Hard Coded
43	Beneficiary Account or Other ID Type	Conditional	x	6	Valid Values are: //FW = ABA#, /ACCT/ = ACCOUNT, /ARNU/ = ALIEN REGISTRATION ID,	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					//CP = CHIPS ID, //CH = CHIPS UID, /DRLC/ = Driver's License, /OTHR/ = OTHER ID, /CCPT/ = PASSPORT, IS = SWIFT/BIC, /TXID/ = TX ID, UNKNOWN = UNKNOWN, COMMON ID TYPE = /ACCT/. If Beneficiary Bank Routing cod is 021000089 then the Beneficiary Account or Other ID Type must be /ACCT/ or IS. If Beneficiary Bank Routing Code is 031100209 then the Beneficiary Account or Other ID Type must be a /ACCT?.	
44	Beneficiary Account or other ID	Conditional	x	34	Required if "Beneficiary Account or Other ID Type" is not /UNKNOWN/. Maximum length is 34 if "Beneficiary Account or Other ID Type" = "/ACCT/". Maximum length is 29 if "Beneficiary	CliBank.BankAccountNo

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					Account or Other ID Type" is anything other than /ACCT/ or UNKNOWN. If Beneficiary Bank Routing code is 021000089 then the Beneficiary Account or Other ID must be a valid Citibank Account or Swift/BIC. If Beneficiary Bank Routing code is 031100209 then the Beneficiary Account or Other ID must be a valid Citibank Account.	
45	Beneficiary Name	Required	x	35		Checkhdr.Payee
46	Beneficiary Advice Type	Optional	x	6	Valid values are in Upper Case (Caps) "None", ELECTR" (electronic), null = NONE	Hard Coded
47	Beneficiary Address 1	Optional	x	35		Checkhdr.Addr1
48	Beneficiary Address 2	Optional	x	35		Checkhdr.City
49	Beneficiary Address 3	Optional	x	35		Checkhdr.State

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
50	Place Holder	Null				
51	Place Holder	Null				
52	Beneficiary Bank Account Or Other ID Type	Conditional	x	6	<p>NOT APPLICABLE for 1 and 2 Credit Party Transfers</p> <p>Applies only to 3 and 4 Credit Party Transfers Valid values are: //FW = ABA#, /ACCT/ = Account, /ARNU/ = Alien Registration ID, //CP = Chips ID, //CH = Chips UID, /DRLC/ = Driver's License, /OTHR/ = Other ID, /CCPT/ = Passport, IS = Swift/Bic, /TXID/ = Tax ID, UNKNOWN = UNKNOWN, Common ID Type = /ACCT/, If First Intermediary Bank Routing code is 021000089 and there is no Second Intermediary Bank, then the Beneficiary Bank Account or Other ID Type must be /ACCT/ or IS. If First Intermediary Bank</p>	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					Routing code is 031100209 and there is no Second Intermediary Bank, then the Beneficiary Bank Account or Other ID Type must be /ACCT/.	
53	Beneficiary Bank Account or Other ID	Conditional	x	34	NOT APPLICABLE for 1 and 2 Credit Party Transfers. Required if "Beneficiary Account or Other ID Type" is not /UNKNOWN/. Maximum length is 34 if "Beneficiary Account or Other ID Type" = "Account". Maximum length is 29 if "Beneficiary Account or Other ID Type" is anything other than /ACCT/ or UNKNOWN.If First Intermediary Bank Routing code is 021000089 and there is no Second Intermediary Bank, then the Beneficiary Bank Account or Other	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					ID must be a valid Citibank Account or Swift/Bic. If First Intermediary Bank Routing code is 031100209 and there is no Second Intermediary Bank, then the Beneficiary Bank Account or Other ID must be a valid Citibank Account.	
54	Beneficiary Bank Advice Type	Conditional	x	6	Valid Values: "None", ELECTR" (Electronic), Null = NONE. Not applicable for 1 and 2 Credit Party Transfers	Hard Coded
55	Beneficiary Bank Name	Conditional	x	35	Optional for 1 and 2 Credit Party Transfers. Required for 3 and 4 Credit Party Transfers.	cliBank.BankName; If Blank, Then Null
56	Beneficiary Bank Address 1	Optional	x	35		Hard Coded
57	Beneficiary Bank Address 2	Optional	x	35		Hard Coded
58	Beneficiary Bank Address 3	Optional	x	35		Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
59-64	Place Holder	Null				
65	Second Intermediary Bank Account & Other ID Type	Conditional	x	6	Only applicable for 4 Credit Party Transfers. Valid values are: //FW = ABA#, /ACCT/ = Account, /ARNU/ = Alien Registration ID, //CP = Chips ID, //CH = Chips UID, /DRLC/ = Driver's License, /OTHR/ = Other ID, /CCPT/ = Passport, IS = Swift/Bic, /TXID/ = Tax ID, UNKNOWN = UNKNOWN, Common ID Type = /ACCT/, If First Intermediary Bank Routing code is 021000089 then the Second Intermediary Bank Account or Other ID Type must be /ACCT/ or IS. If First Intermediary Bank Routing code is 031100209 then the Second Intermediary Bank Account or Other ID Type must be /ACCT/.	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
66	Second Intermediary Bank Account & Other ID	Conditional	x	34	Only applicable for 4 Credit Party Transfers. Required if "Second Intermediary Bank Account or Other ID Type" (Field 65) is present. If Second Intermediary Bank Account or Other ID Type is /ACCT/ must be a valid Citibank 8n account. If First Intermediary Bank Routing code is 021000089 then the Second Intermediary Bank Account or Other ID must be a valid Citibank Account or Swift/Bic. If First Intermediary Bank Routing code is 031100209 then the Second Intermediary Bank Account or Other ID must be a valid Citibank Account.	Hard Coded
67	Second Intermediary Bank Advice Type	Optional	x	6	Only applicable for 4 Credit Party Transfers. Valid values: "NONE", "ELECTR" (Elec-	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					tronic), Null = NONE	
68	Second Intermediary Bank Name	Conditional	x	35	Only applicable for 4 Credit Party Transfers. Required if "4 Credit Party Transfer".	Hard Coded
69	Second Intermediary Bank Address 1	Optional	x	35	Only applicable for 4 credit Party Transfers	Hard Coded
70	Second Intermediary Bank Address 2	Optional	x	35	Only applicable for 4 Credit Party Transfers	Hard Coded
71	Second Intermediary Bank Address 3	Optional	x	35	Only applicable for 4 Credit Party Transfers	Hard Coded
72	Payment Details 1	Optional	x	35	1) NOT APPLICABLE if "Beneficiary Is" (Field 42) = "A BANK". (2) If Beneficiary Is" (Field 42) = "NOT A BANK" and import file includes a value in the "Beneficiary Reference" field, CitiDirect will auto-fill the first line of this field with "/RFB/" fol-	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					lowed by the Beneficiary Reference value and only allow 3 lines of Payment Details	
73	Payment Details 2	Optional	x	35	1) NOT APPLICABLE if "Beneficiary Is" (Field 42) = "A BANK". (2) If Beneficiary Is" (Field 42) = "NOT A BANK" and import file includes a value in the "Beneficiary Reference" field, CitiDirect will auto-fill the first line of this field with "/RFB/" followed by the Beneficiary Reference value and only allow 3 lines of Payment Details	Hard Coded
74	Payment Details 3	Optional	x	35	(1) NOT APPLICABLE if "Beneficiary Is" (Field 42) = "A BANK". (2) If Beneficiary Is" (Field 42) = "NOT A BANK" and import file includes a value in the "Beneficiary Reference" field, CitiDirect will auto-fill the first line of this field	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					with "/RFB/" followed by the Beneficiary Reference value and only allow 3 lines of Payment Details	
75	Payment Details 4	Optional	x	35	1) NOT APPLICABLE if "Beneficiary Is" (Field 42) = "A BANK". (2) If Beneficiary Is" (Field 42) = "NOT A BANK" and import file includes a value in the "Beneficiary Reference" field, CitiDirect will auto-fill the first line of this field with "/RFB/" followed by the Beneficiary Reference value and only allow 3 lines of Payment Details	Hard Coded
76	Bank Details 1	Optional	x	35	Bank Details must begin with a / followed by a code-word then another / (example: /CHRIS/. Each subsequent line must begin with a code-word (in the same format as	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
					described above) or two slashes (//) if it is a continuation of the previous line. Example: /CHRIS/CODEWORD DATA CONTINUES //ON SECOND LINE IF USED /REC/SECOND CODEWORD IF USED If continuation line double slashes (//) are not on the import file, CitiDirect will auto-insert, however, please note an online error may occur if auto-inserting the slashes causes the character count to exceed the maximum. See Common Bank Details Codewords in another section of this document.	
77	Bank Details 2	Optional	x	35	See Field 76 Business Rules	Hard Coded
78	Bank Details 3	Optional	x	35	See Field 76 Business Rules	Hard Coded
79	Bank Details 4	Optional	x	35	See Field 76 Business Rules	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code /System Preferences & Rules
80	Bank Details 5	Optional	x	35	See Field 76 Business Rules	Hard Coded
81	Bank Details 6	Optional	x	35	See Field 76 Business Rules	Hard Coded
82	Pre-Advice Flag	Optional	x	1	Valid values: "Y" = Yes, "N" = No, Null = "N". Note: Your account must be configured for Pre-Advice in order to use this field. Values must be in Upper Case (Caps)	Hard Coded
83	PreAdvice Details	Optional	x	70	Only include in import file if "Pre-Advice" = "Y". note: Your account must be configured for Pre-Advice in order to use this field.	Hard Coded
84	Place Holder	Null				
85	Memo Details	Optional	x	140		Hard Coded
	RECORD TERMINATOR				Carriage Return Line Feed (CRLF)	

Sample Wire File

The below image is a sample of what to expect in each CitiDirect Wire File.

```
#US#ACH#####3.00##DEBIT ACCOUNT#####20120104#####CCD#PAYMENT##N#####01#CREDIT
ACCOUNT#Jane Doe#####04400024#####
#US#ACH#####3.00##78787878#####20141117#####CCD#PAYMENT##N#####01#2980068136#
Jane Doe#####04400024###WELLS FARGO BANK TEXAS NA#####
#US#FT#20111104#####1.00##DEBIT ACCOUNT#####OUR###TRANSACTION REFERENCE
NUMBER#####NOT A BANK#/ACCT/#BENE ACCOUNT#BENE NAME#NONE#US
SIT###IS#CITIUS33#####PAYMENT DETAILS#####
#US#FT#20111105#####3.00##DEBIT ACCOUNT#####OUR###TRANSACTION REFERENCE
NUMBER#####NOT A BANK#/ACCT/#BENE ACCOUNT#BENE NAME#NONE#US
SIT###IS#CITIUS33#####PAYMENT DETAILS#####
```

CitiDirect Wire File Interface

The CitiDirect Wire File Interface is used to generate wire files in the CitiDirect format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [CitiDirect Wire File Specifications](#).

System Preferences

The CitiDirect Wire File Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, CitiDirect - General, CitiDirect - Wire/FT** folder, as described following:

Preference	Description
CitiDirect General	
Output Path	Specify the folder in which the file will be saved when it is created by the interface.
Client Transaction Reference	If set up in CitiDirect is "Manual" then select Manual for system generated Transaction Reference number value. If set up in CitiDirect is "Full Auto" or "Prefix Auto" then select "Full Auto, Prefix Auto" for Null field.
CitiDirect - Wire/FT	
Wire/FT Account Num-	drop-down to select Account Number

Preference	Description
ber	Note: The Account Numbers must be set up before this list will populate. Set up Accounts at File > Tables > Accounting > Account Table . Each Account Number must be unique and must be associated with FSW_CTDR to populate this list.
Priority Flag	Enter "Y" = Yes or Blank = No
Confidential	Enter "C" = Confidential or Leave Blank = Not Confidential
Charges Indicator	Enter valid values "OUR" or "BEN" in Upper Case (CAPS)

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_CTDR**.

CitiDirect Wire File Specifications

The CitiDirect Wire file is hash-tag delimited .txt file with the following specifications.

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
1	Place Holder	Null				
2	Country Code	Required	Alpha	2	Must contain "US" in upper case (caps)	Hard Coded
3	Payment Method	Required	Alpha	2	Must Contain "FT" in Upper Case (Caps) Criteria = FT (Ending with FT)	Hard Coded
4	Value Date	Required	Numeric	8	YYYYMMDD Date may be current business date or any business date up to 21 busi-	Checkhdr.CheckDate

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
					ness days in the future	
5	Priority Flag	Optional	x	1	Valid values: "Y" = Yes, Null = No	Set in System Preferences > Identification/System Constants > Interface Parameters > CitiDirect - Wire/FT > Priority Flag. If Blank, Then Null
6-9	Place Holder	Null				
10	Payment Amount	Required	Numeric	10.20	Must have explicit decimal or value will be interpreted by CitiDirect as whole dollars. Chips mas is 10.2. Book mas is 10.2, Swift/bic is 9.2	Checkhdr.Amt
11	Place Holder	Null				
12	Debit Account/Debit Party Account	Required	Numeric	35	NA-US Citibank Accounts are 8n	Account-s.BankAccountNo or if using Cash Override Account (Account-s.AtCashAcct), it's Account-s.BankAccountNo
13-21	Place Holder	Null				
22	Charges Indicator	Required	x	3	Valid values "OUR" and "BEN" in Upper Case (CAPS)	Set in System Preference > Identification/System Constants > Interface

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
						Parameters > CitiDirect - Wire/FT > Charges Indicator
23-24	Place Holder	Null				
25	Transaction Reference Number	Conditional	x	16 or if it is Prefix auto 8	1) CitiDirect follows the Transaction Reference Number assignment rules established in Client Configuration. (2) If the Client set up in CitiDirect is "Full Auto" or "Prefix Auto" then no transaction reference number should be provided in the import file (FIELD 25). (3) If a transaction reference number is provided in the file. That value will be used and will override the "Full Auto" or "Prefix Auto" the system generated transaction reference number. (4) If the Client set up in CitiDirect is "Manual"	If System Preference > Identification/System Constants > Interface Parameters > CitiDirect - General > Client Transaction Reference in (Full Auto, Prefix Auto), then Field 25 = Null. If Manual, then system generate Transaction Reference number value.

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
					then the import file Field 25 must contain a value.	
26	Beneficiary Reference	Optional	x	16	(1) If not provided in import file and Beneficiary Is (Field 42) = "A BANK", CitiDirect will populate with "NONREF". (2) If not provided in import file and Beneficiary Is (Field 42) = "NOT A BANK", CitiDirect will leave it blank. (3) If a value for this field is provided in the import file and Beneficiary Is (Field 42) = "NOT A BANK", CitiDirect will populate Payment Details Line 1 with "/RFB/" followed by the value entered in this field when the transaction is sent to the back end processing	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
					system.	
27	Confidential	Optional	Alpha	1	Valid Values: "C" = Yes, must be Upper Case (CAPS), Null = NO	Set in System Preferences > Identification/System Constants > Interface Parameters > CitiDirect - Wire/FT > Confidential. If Blank, Then Null
28-34	Place Holder	Null				
35	Ordering Party ID Type	Optional	x	6	If not provided on import file, CitiDirect will auto-fill based on Client Preference. If no Client Preference, CitiDirect will auto-fill with /ACCT/. Valid values are: //FW = ABA# , /ACCT/ = Account, /ARNU/ = Alien Registration ID, //CP = Chips ID, //CH = Chips UID, /DRLC/ = Driver's License, /OTHR/ = Other	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
					ID, /CCPT/ = Passport, IS = Swift/Bic, /TXID/ = Tax ID, UNKNOWN = UNKNOWN	
36	Ordering Party ID Type	Optional	x	34	Required if the "Ordering Party ID Type" (Field 35) has been entered and is not = "UNKNOWN". Maximum length is 34 if "Ordering Party ID Type" (Field 35) = /ACCT/. Maximum length is 29 if "Ordering Party ID Type" (Field 35) is anything other than /ACCT/ or UNKNOWN. If Ordering Party ID Type (Field 35), Ordering Party Name (Field 37) and Ordering Party ID (Field 36) is not provided on import file, CitiDirect will auto-fill based on Client Preference. If no Client Preference,	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
					CitiDirect will auto-fill with Debit Account Number.	
37	Ordering Party Name	Conditional	x	35	If not provided on import file, CitiDirect will auto-fill based on Client Preference. If no Client Preference, CitiDirect will auto-fill with Debit Account Name. Required if not auto-filled by Client	Hard Coded
38	Ordering Party Address 1	Optional	x	35	If not provided on import file, CitiDirect will auto-fill based on Client Preference. If not Client Preference, CitiDirect will auto - fill with Debit Account Address.	Hard Coded
39	Ordering Party Address 2	Optional	x	35	See Field 38 Business Rules	Hard Coded
40	Ordering Party Address 3	Optional	x	35	See Field 38 Business Rules	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
41	Place Holder	Null				
42	Beneficiary Is	Required	Alpha	10	Valid Values: "A BANK", "NOT A BANK". For 1 Credit Party Transfers this field must contain "A BANK". Must respect Upper Case and Lower Case exactly as listed here.	Hard Coded
43	Beneficiary Account or Other ID Type	Conditional	Alpha/Special	6	NOT APPLICABLE if "Beneficiary Is" (Field 42) = "A BANK" and 1 Credit Party Transfer. Valid values are: //FW = ABA# , /ACCT/ = Account, /ARNU/ =Alien Registration ID , //CP = Chips ID, //CH = Chips UID, /DRLC/ = Driver's License, /OTHR/ = Other ID, /CCPT/ = Passport, IS = Swift/Bic, /TXID/ = Tax ID, UNKNOWN = UNKNOWN, Common ID Type = /ACCT/	Hard Coded
44	Beneficiary Account or	Conditional	Numeric	20	1) NOT	CliBank.BankAccountNo

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
	other ID				<p>APPLICABLE if "Beneficiary Is" (Field 42) = "A BANK" and 1 Credit Party Transfer. 2)</p> <p>Required if "Beneficiary Account or Other ID Type" (Field 43) is not "UNKNOWN". (3)</p> <p>Maximum length is 34 if "Beneficiary Account or Other ID Type" (Field 43) = "/ACCT/". (4)</p> <p>Maximum length is 29 if "Beneficiary Account or Other ID Type" (Field 43) is anything other than /ACCT/ or UNKNOWN.</p>	
45	Beneficiary Name	Conditional	Alpha / numeric / Special	35	<p>1) NOT APPLICABLE if "Beneficiary Is" (Field 42) = "A BANK" and 1 Credit Party Transfer. (2) Beneficiary Name is required at all other times.</p>	Checkhdr.Payee
46	Beneficiary	Optional	Alpha	6	Vlaid values:	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
	Advice Type				"NONE", "ELECTR" (Electronic), Null = NONE. Values must be in Upper Case (CAPS)	
47	Beneficiary Address 1	Optional	Alpha/numeric	35	(1) NOT APPLICABLE if "Beneficiary Is" (Field 42) = "A BANK" and 1 Credit Party Transfer. (2) Optional if Beneficiary Name is present.	Checkhdr.Addr1
48	Beneficiary Address 2	Optional	Alpha	35	see Field 47 Business Rules	Checkhdr.City
49	Beneficiary Address 3	Optional	Alpha	35	see Field 47 Business Rules	Checkhdr.State
50	Beneficiary Bank Routing Method	Conditional	Alpha	34	Use Beneficiary Bank Routing Method If 1 Credit Party Transfer or 2 Credit Party Transfer. Valid Values are: FW, CP IS in Upper Case (CAPS)	Hard Coded
51	Beneficiary Bank Routing Code	Conditional	x	11	Use Beneficiary Bank Routing Code if 1 Credit Party Transfer or 2 Credit Party Transfer.	ClBank.AbaNo

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
52	Beneficiary Bank Account Or Other ID Type	Condi-tional	x	6	NOT APPLICABLE if "1 Credit Party Transfer" or "2 Credit Party Transfer". Only applies if 3 or 4 Credit Party Transfer. Valid values are: //FW = ABA# , /ACCT/ = Account, /ARNU/ =Alien Registration ID , //CP = Chips ID, //CH = Chips UID, /DRLC/ = Driver's License, /OTHR/ = Other ID, /CCPT/ = Passport, IS = Swift/Bic, /TXID/ = Tax ID, UNKNOWN = UNKNOWN, Common ID Type = /ACCT/	Hard Coded
53	Beneficiary Bank Account or Other ID	Condi-tional	x	34	NOT APPLICABLE if 1 Credit Party Transfer. Does apply if 3 or 4 Credit Party Transfer. Required if "Beneficiary Account or Other ID Type" (Field 52) is not "UNKNOWN". Maximum length is 34 if "Beneficiary	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
					Account or Other ID Type" (Field 52) = "/ACCT/". Maximum length is 29 if "Beneficiary Account or Other ID Type" (Field 52) is anything other than /ACCT/ or UNKNOWN.	
54	Beneficiary Bank Advice Type	Conditional	x	6	(1) Valid values: "NONE", "ELECTR (Electronic)", Null = NONE (2) NOT APPLICABLE if 1 or 2 Credit Party Transfer. (3) Does apply if 3 or 4 Credit Party Transfer	Hard Coded
55	Beneficiary Bank Name	Conditional	x	35	Required for 3 and 4 Credit Party Transfers	CLiBank.BankName; If Blank, Then Null
56	Beneficiary Bank Address 1	Optional	x	35		Hard Coded
57	Beneficiary Bank Address 2	Optional	x	35		Hard Coded
58	Beneficiary Bank Address 3	Optional	x	35		Hard Coded
59	First Intermediary	Conditional	x	35	(1) NOT APPLICABLE for "1	Hard Coded



Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
	Bank Routing Method				Credit Party Transfer" or "2 Credit Party Transfer". (2) Required for "3 Credit Party Transfer" or "4 Credit Party Transfer". Valid Values are: FW, CP and IS. Values must be Upper Case (Caps)	
60	First Intermediary Bank Routing Code	Conditional	x	11	NOT APPLICABLE for "1 Credit Party Transfer" or "2 Credit Party Transfer". Required for "3 Credit Party Transfer" or "4 Credit Party Transfer".	CliBank.InterBankABAno; If Blank, Then NULL
61	First Intermediary Bank Name	Optional	x	35	NOT APPLICABLE for "1 Credit Party Transfer" or "2 Credit Party Transfer".	CliBank.InterBankName; If Blank, Then Null
62	First Intermediary Bank Address 1	Optional	x	35	NOT APPLICABLE for "1 Credit Party Transfer" or "2 Credit Party Transfer".	Hard Coded
63	First Intermediary	Optional	x	35	see Field 62 Business Rules	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
	Bank Address 2					
64	First Intermediary Bank Address 3	Optional	x	35	see Field 62 Business Rules	Hard Coded
65	Second Intermediary Bank Account & Other ID Type	Conditional	x	6	NOT APPLICABLE if "1 Credit Party Transfer" or "2 Credit Party Transfer" or "3 Credit Party Transfer. Valid values are: //FW = ABA# , /ACCT/ = Account, /ARNU/ =Alien Registration ID , //CP = Chips ID, //CH = Chips UID, /DRLC/ = Driver's License, /OTHR/ = Other ID, /CCPT/ = Passport, IS = Swift/Bic, /TXID/ = Tax ID, UNKNOWN = UNKNOWN, Common ID Type = /ACCT/	Hard Coded
66	Second Intermediary Bank Account & Other ID	Conditional	x	34	1) NOT APPLICABLE if "1 Credit Party Transfer" or "2 Credit Party	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
					Transfer" or "3 Credit Party Transfer". (2) Required if "Second Intermediary Bank Account or Other ID Type" (Field 65) is not UNKNOWN. (3) Maximum length is 34 if "Second Intermediary Bank Account or Other ID Type" (Field 65) = "/ACCT/". (4) Maximum length is 29 if " if "Second Intermediary Bank Account or Other ID Type" (Field 65) is anything other than /ACCT/ or UNKNOWN.	
67	Second Intermediary Bank Advice Type	Optional	x	10	Transfer" or "3 Credit Party Transfer". Valid values: "NONE", "ELECTR" (Electronic), Null = "NONE". Must be in Upper Case (Caps)Valid values: "NONE", "ELECTR" (Elec-	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
					tronic), Null = "NONE". Must be in Upper Case (Caps)	
68	Second Intermediary Bank Name	Conditional	x	35	NOT APPLICABLE if "1 Credit Party Transfer" or "2 Credit Party Transfer" or "3 Credit Party Transfer". Required if "4 Credit Party Transfer".	Hard Coded
69	Second Intermediary Bank Address 1	Optional	x	35	NOT APPLICABLE if "1 Credit Party Transfer" or "2 Credit Party Transfer" or "3 Credit Party Transfer". Optional if Second Intermediary Bank Name is present.	Hard Coded
70	Second Intermediary Bank Address 2	Optional	x	35	See Field 69 Business Rules	Hard Coded
71	Second Intermediary Bank Address 3	Optional	x	35	See Field 69 Business Rules	Hard Coded
72	Payment Details 1	Optional	Alpha / numeric / Spe-	35	NOT APPLICABLE if	Clibank.SpecInst; If Blank, Then Null



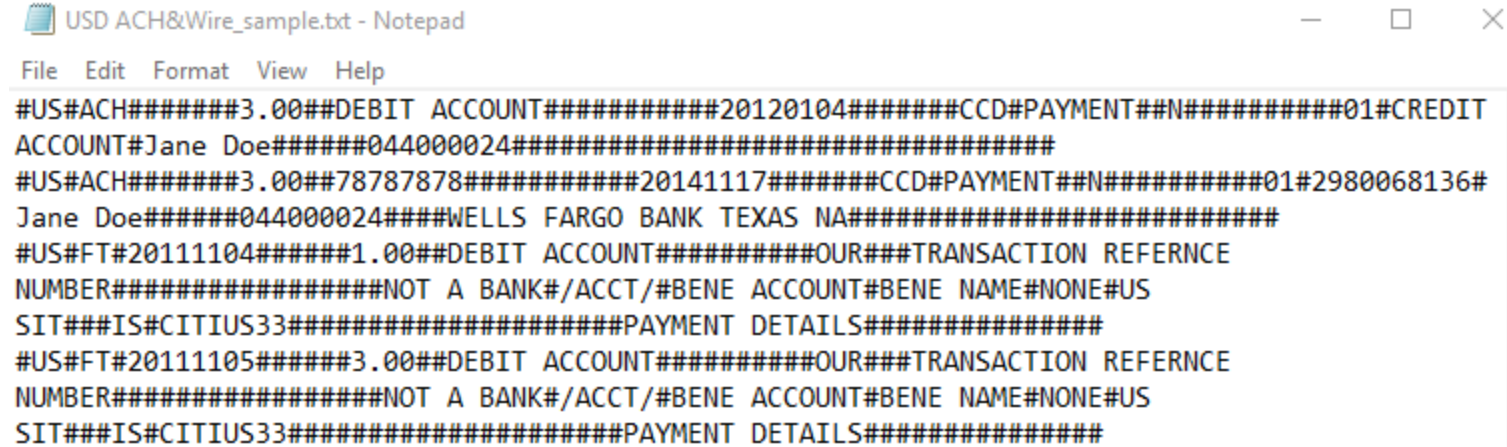
Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
			cial		"Beneficiary Is" (Field 42) = "A BANK". If "Beneficiary Is" (Field 42) = "NOT A BANK" and import file includes a value in the "Beneficiary Reference" field, CitiDirect will auto-fill the first line of this field with "/RFB/" followed by the Beneficiary Reference value and only allow 3 lines of Payment Details.	
73	Payment Details 2	Optional	Alpha / numeric / Special	35	See Field 72 Business Rules	Clibank.SpecInst; If Blank, Then Null
74	Payment Details 3	Optional	Alpha / numeric / Special	35	See Field 72 Business Rules	Clibank.SpecInst; If Blank, Then Null
75	Payment Details 4	Optional	Alpha / numeric / Special	35	See Field 72 Business Rules	Clibank.SpecInst; If Blank, Then Null
76	Bank Details 1	Optional	x	35	Bank Details must begin with a "/" followed by a codeword then another "/" (example:	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
					<p>/CHRIS/. Each subsequent line must begin with a codeword (in the same format as described above) or two slashes (//) if it is a continuation of the previous line. Example: /CLAIR/CODEWORD DATA CONTINUES, //ON SECOND LINE IF USED, /REC/SECOND CODEWORD IF USED. If continuation line double slashes (//) are not on the import file, CitiDirect will auto-insert, however, please note an online error may occur if auto-inserting the slashes causes the character count to exceed the maximum.</p>	
77	Bank Details 2	Optional	x	35	See Field 76 Business Rules	Hard Coded

Pos	Field Name	C/O/R/N	Type	Length	Description	CLMS Field Code / System Preferences
78	Bank Details 3	Optional	x	35	See Field 76 Business Rules	Hard Coded
79	Bank Details 4	Optional	x	35	See Field 76 Business Rules	Hard Coded
80	Bank Details 5	Optional	x	35	See Field 76 Business Rules	Hard Coded
81	Bank Details 6	Optional	x	35	See Field 76 Business Rules	Hard Coded
82	Pre-Advice Flag	Optional	x	1	Valid values: "Y" = Yes, "N" = No, Null = "N". Note: Your account must be configured for Pre-Advice in order to use this field. Values must be in Upper Case (Caps)	Hard Coded
83	PreAdvice Details	Optional	x	60	Only include in import file if "Pre-Advice" = "Y". Note: Your account must be configured for Pre-Advice in order to use this field.	Hard Coded
84	Place Holder	Null				
85	Memo Details	Optional	x	140		Hard Coded
	RECORD TERMINATOR				Carriage Return Line Feed (CRLF)	

Sample Wire File

The below image is a sample of what to expect in each CitiDirect Wire File.

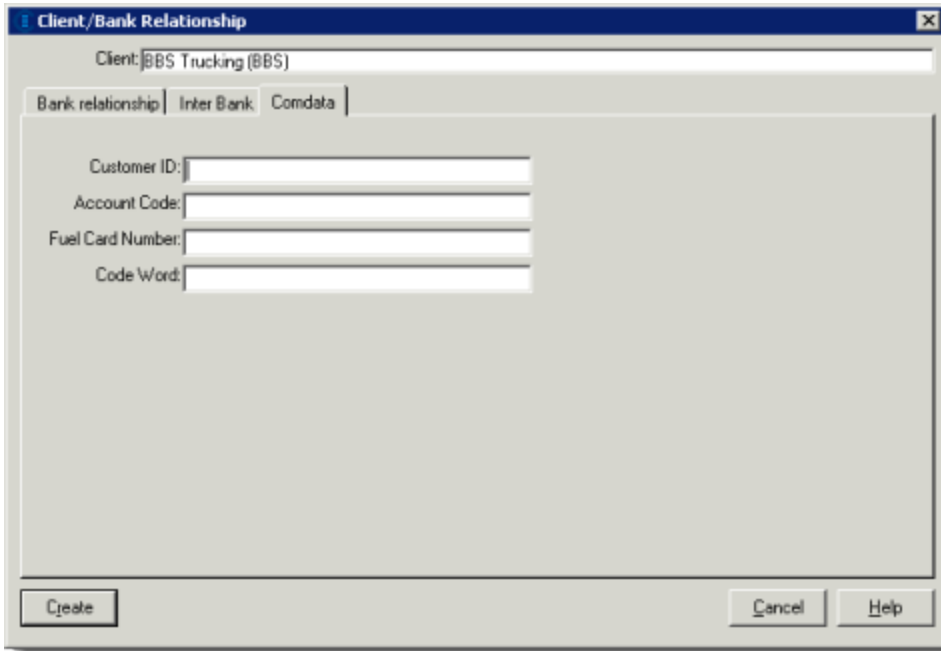


```
USD ACH&Wire_sample.txt - Notepad
File Edit Format View Help
#US#ACH#####3.00##DEBIT ACCOUNT#####20120104#####CCD#PAYMENT##N#####01#CREDIT
ACCOUNT#Jane Doe#####04400024#####
#US#ACH#####3.00##78787878#####20141117#####CCD#PAYMENT##N#####01#2980068136#
Jane Doe#####04400024####WELLS FARGO BANK TEXAS NA#####
#US#FT#20111104#####1.00##DEBIT ACCOUNT#####OUR###TRANSACTION REFERENCE
NUMBER#####NOT A BANK#/ACCT/#BENE ACCOUNT#BENE NAME#NONE#US
SIT###IS#CITIUS33#####PAYMENT DETAILS#####
#US#FT#20111105#####3.00##DEBIT ACCOUNT#####OUR###TRANSACTION REFERENCE
NUMBER#####NOT A BANK#/ACCT/#BENE ACCOUNT#BENE NAME#NONE#US
SIT###IS#CITIUS33#####PAYMENT DETAILS#####
```

Comdata Express Interface

The Comdata Express Interface is used to generate a payment to the client's Comdata Fuel Card account. The interface produces a .TXT file in the Comdata format below from the FactorSoft Write Checks screen, which is used by Comdata for immediate funding of the fuel card(s). The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to Comdata.

When the System Preferences are completed, a tab appears on the Client/Bank Relationships tab of the Client Information screen, as shown in the following illustrations. The fields on this tab are completed with the client's Comdata account information.



Field	Description
Customer ID	The client's Comdata customer identifier. Alphanumeric, 10 characters.
Account Code	The client's Comdata account code. Alphanumeric, 5 characters.
Fuel Card Number	The client's Comdata Fuel Card number.
Code Word	The client's security code word for the fuel card account.

Click here for the [Comdata File Specifications](#).

System Preferences

The EFS Interface is enabled and configured in System Preferences, **Identification/system constants**, **Interface parameters**, **Comdata Express Cash interface parameters** folder, as described following:

Preference	Description
Output folder	Specify the folder in which the file will be saved when it is created by the interface.
Customer ID	The lender's Comdata customer identifier. Alphanumeric, 10 characters.
Account Code	The lender's Comdata account code. Alphanumeric, 5 characters.
Charge Flag	Set the code to determine whether fees are deducted from the check, or

Preference	Description
	<p>whether the fee is charged to the lender by Comdata.</p> <ul style="list-style-type: none"> • L = Lender's client pays fees - fees are deducted from check. • P = Lender pays fees - check is full advance amount.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_CDTA**.

Comdata File Specifications

The Comdata Payment file is 207 bytes in length. The file is named CDTA.

Name	Pos	Len	Description
Header Record "L0"			
Record Identifier	1-2	2	Always "L0"
Cust ID	3-12	10	Lender Comdata Customer Code from System Preferences
Comdata Account Code	13-17	5	Lender Comdata Account Code from System Preferences
Available Date	18-23	6	File Creation Date, MMDDYY format
Available Time	24-27	4	File Creation Time, HHMM format
Filler	28-36	9	Blanks
Internal Reference Information	37	1	Not Used
Filler	38-207	170	Blanks
Detail Record "L1"			
Record Identifier	1-2	2	Always "L1"
Cust ID	3-12	10	Client Comdata Customer Code from Client Information Bank Relationship

Name	Pos	Len	Description
CDN Sender Codeword	13-32	20	Client Codeword from Client Information Bank Relationship
Product Flag	33	1	Always "C" for Express Cash
Card Number	34-49	16	Client Fuel Card Number from Client Information Bank Relationship
Transaction Amount	50-55	6	Transaction amount in 9(4)v99 format
Charge Application Flag	56	1	P=Plus L=Less This value is determined by System Preference Identification/system constants , Interface parameters, Comdata Express Cash interface parameters, Charge Flag.
Transaction Type	57	1	A=Add S=Subtract
Trip Number	58-67	10	Not Used
Miscellaneous Data	68-82	15	Not Used
Comdata Account Code	83-87	5	Client Comdata Account Code from Client Information Bank Relationship
Transaction Available Date	88-93	6	File Creation Date, MMDDYY format
Transaction Available Time	94-97	4	File Creation Time, HHMM format
Reserved	98-101	4	
Direct Deposit Flag	102	1	Not Used
Expanded Transaction Amount	103-109	7	Optional expanded transaction amount in 9(5)v99 format

Name	Pos	Len	Description
Reserved	110-128	19	
Transaction Response Fields	129-206	78	Vendor-completed response fields
Filler	207	1	
Detail Record "L9"			
Record Identifier	1-2	2	Always "L9"
Cust ID	3-12	10	Lender Comdata Customer Code from System Preferences
Comdata Account Code	13-17	5	Lender Comdata Account Code from System Preferences
Total Transaction Count	18-22	5	Total transactions in batch in 9(5) format
Total Transaction Amount	23-32	10	Total batch amount in 9(8)v99 format
Reserved	33-207	175	

DeskBank - Australia Disbursements Interface

The DeskBank - Australia Disbursements Interface is used to generate a wire file in the DeskBank - Australia Disbursements format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [DeskBank - Australia Disbursements File Specifications](#).

System Preferences

The DeskBank - Australia Disbursements Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, DeskBank/Australia Disbursements** folder, as described following:

Preference	Description
Account	Enter the Account for DeskBank Australia Disbursements.

Preference	Description
Description	Enter the Description for DeskBank Australia Disbursements.
Output Path	Specify the folder in which the file will be saved when it is created by the interface.
Payer Name	Enter the Payer name for DeskBank Australia Disbursement.
User Name	Enter the User Name for the DeskBank Australia Disbursement.
User Number	Enter the User Number for DeskBank Australia Disbursement.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_CTAU**.

DeskBank - Australia Disbursement File Specifications

The DeskBank - Australia Disbursement file is a .txt generated file in the following format:

Name	Type	Len	Description	Hard Coded / System Preference
Account	Alphanumeric	16	Account for DeskBank Australia Disbursements.	Set in System Preference > Identification/System Constants > Interface Parameters > DeskBank/Australia Disbursements > Account
Description	Alphanumeric	12	Description for DeskBank Australia Disbursements.	Set in System Preference > Identification/System Constants > Interface Parameters > DeskBank/Australia Disbursements > Description
Payer Name	Alpha	16	Payer name for DeskBank Australia Disbursement.	Set in System Preference > Identification/System Constants > Interface Parameters > DeskBank/Australia Disbursements > Payer Name

Name	Type	Len	Description	Hard Coded / System Preference
User Name	Alphanumeric	26	User Name for the DeskBank Australia Disbursement.	Set in System Preference > Identification/System Constants > Interface Parameters > DeskBank/Australia Disbursements > User Name
User Number	Numeric	6	User Number for DeskBank Australia Disbursement.	Set in System Preference > Identification/System Constants > Interface Parameters > DeskBank/Australia Disbursements > User Number

Sample Wire File

The below image is a sample of what to expect in each DeskBank - Australia Disbursements Wire File.



Deskbank - New Zealand Disbursements Interface

The Deskbank - New Zealand Disbursements Interface is used to generate a wire file in the Deskbank - New Zealand Disbursements format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [Deskbank - New Zealand Disbursements File Specifications](#).

System Preferences

The Deskbank - New Zealand Disbursements Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, Deskbank_ New Zealand Disbursements** folder, as described following:

Preference	Description
Bank	Bank code for DeskBank New Zealand Disbursements
Branch	Branch code for DeskBank New Zealand Disbursements
Account	Account code for DeskBank New Zealand Disbursements
Suffix	Suffix code for DeskBank New Zealand Disbursements
Output Path	Specify the folder in which the file will be saved when it is created by the interface.
Payer Name	Payer name for DeskBank New Zealand Disbursements

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_CTNZ**.

Deskbank - New Zealand File Specifications

The Deskbank - New Zealand file is a .txt files the following format:

Name	Type	Len	Description	Hard Coded / System Preference
Account	Alphanumeric	16	Account for DeskBank New Zealand Disbursements.	Set in System Preference > Identification/System Constants > Interface Parameters > DeskBank New Zealand Disbursements > Account
Description	Alphanumeric	12	Description for DeskBank New Zealand Disbursements.	Set in System Preference > Identification/System Constants > Interface Parameters > DeskBank New Zealand Disbursements > Description
Payer Name	Alpha	16	Payer name for DeskBank New Zealand Disbursement.	Set in System Preference > Identification/System Constants > Interface Parameters > DeskBank New Zealand Dis-

Name	Type	Len	Description	Hard Coded / System Preference
				bursements > Payer Name
User Name	Alphanumeric	26	User Name for the DeskBank New Zealand Disbursement.	Set in System Preference > Identification/System Constants > Interface Parameters > DeskBank New Zealand Disbursements > User Name

Sample Wire File

The below image is a sample of what to expect in each DeskBank – New Zealand Wire File.



EFS Interface

The EFS Interface is used to generate a payment to the client's EFS Fuel Card account. The interface produces a .TXT file in the EFS format below from the FactorSoft Write Checks screen, which is used by EFS Transportation Services for immediate funding of the fuel card(s). The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to EFS.

Click here for the "EFS File Specifications" on the next page.

System Preferences

The EFS Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, EFS export parameters** folder, as described following:

Preference	Description
Account number	EFS account number
Output folder	Specify the folder in which the file will be saved when it is created by the

Preference	Description
	interface.
Payee	Payee for EFS offset payment
Payee Address 1	Payee address line 1 for EFS offset payment
Payee Address 2	Payee address line 2 for EFS offset payment
Payee City	Payee address city for EFS offset payment
Payee State	Payee address State Code for EFS offset payment
Payee Zip Code	Payee address ZIP/Postal Code for EFS offset payment
Cash Account Number	Cash account number for EFS offset payment
EFS Fuel Bank Account Number	Bank account number for EFS offset payment
EFS Fuel Bank ABA Number	Bank routing and transit number for EFS offset payment
EFS Fuel Bank Name	Bank name for EFS offset payment
Pay By Method	Pay by method used by Check Writer for EFS payments

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_EFS**.

EFS File Specifications

The EFS Payment file is always named **BCL_parentcarrierid_YYYYMMDDHHMM**, where **BCL** is a constant, **parentcarrierid** is the account number entered in System Preference **Identification/system constants**, **Interface parameters**, **EFS export parameters**, **Account Number**, and **YYYYMMDDHHMM** is the date and time stamp of the file creation.

Name	Description
Account Number	EFS account number. Set in System Preference Identification/system constants , Interface

Name	Description
	parameters, EFS export parameters, Account number.
Amount	Dollar amount to be added (positive) or removed (negative).
Reference #	The check or wire number for the transaction.

EFS/TS Interface

The EFS/TS Interface is used to generate a payment to the client's EFS Fuel Card account. The interface produces a .TXT file in the EFS/TS format below from the FactorSoft Write Checks screen, which is used by EFS Transportation Services for immediate funding of the fuel card(s). The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to EFS.

Click here for the [EFS/TS File Specifications](#).

System Preferences

The EFS/TS Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, EFS export parameters** folder, as described following:

Preference	Description
Account number	EFS account number
Output folder	Specify the folder in which the file will be saved when it is created by the interface.
Payee	Payee for EFS offset payment
Payee Address 1	Payee address line 1 for EFS offset payment
Payee Address 2	Payee address line 2 for EFS offset payment
Payee City	Payee address city for EFS offset payment
Payee State	Payee address State Code for EFS offset payment
Payee Zip Code	Payee address ZIP/Postal Code for EFS offset payment
Cash Account Number	Cash account number for EFS offset payment
EFS Fuel Bank Account Number	Bank account number for EFS offset payment

Preference	Description
EFS Fuel Bank ABA Number	Bank routing and transit number for EFS offset payment
EFS Fuel Bank Name	Bank name for EFS offset payment
Pay By Method	Pay by method used by Check Writer for EFS payments

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_EFS2**.

EFS/TS File Specifications

The EFS/TS Payment file is created in the following format.

Name	Pos	Len	Description
File Header			
Source Funding Account	1-6	6	Six digit EFS master account
Sequence	7-15	9	Unique number starting at one and incrementing by one for every file.
Total Fund Amount	16-24	9	Total of funds to be distributed. Two decimal positions.
File Detail			
Distribution Branch	1-6	6	Customer branch number
Distribution amount	7-15	9	Distribution amount loaded to branch. Two decimal positions.
Current Date	16-23	9	MMDDYYYY
Constant	24	1	Always "N"

EFS Interface

The EFS Interface is used to generate a payment to the client's EFS Fuel Card account. The interface produces a .TXT file in the EFS format below from the FactorSoft Write Checks screen, which is used by EFS Transportation Services for immediate funding of the fuel card(s). The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to EFS.

Click here for the [EFS File Specifications](#).

System Preferences

The EFS Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, EFS export parameters** folder, as described following:

Preference	Description
Account number	EFS account number
Output folder	Specify the folder in which the file will be saved when it is created by the interface.
Payee	Payee for EFS offset payment
Payee Address 1	Payee address line 1 for EFS offset payment
Payee Address 2	Payee address line 2 for EFS offset payment
Payee City	Payee address city for EFS offset payment
Payee State	Payee address State Code for EFS offset payment
Payee Zip Code	Payee address ZIP/Postal Code for EFS offset payment
Cash Account Number	Cash account number for EFS offset payment
EFS Fuel Bank Account Number	Bank account number for EFS offset payment
EFS Fuel Bank ABA Number	Bank routing and transit number for EFS offset payment
EFS Fuel Bank Name	Bank name for EFS offset payment
Pay By Method	Pay by method used by Check Writer for EFS payments

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_RTS**.

EFS File Specifications

The EFS Payment file is a .txt file created in the following format:

Name	Pos	Len	Description
File Header			
EFS/RTS Account Number	1-6	6	Set in System Preference Identification/system constants , Interface parameters, EFS export parameters, Account number.
Unique Batch ID	7-15	9	Unique number starting at one and incrementing by one for every file.
Total Fund Amount	16-23	8	Total of funds to be distributed. Two decimal positions.
File Detail			
Client's EFS Fuel Account Number	1-6	6	Fuel Account Number of Client
Distribution amount	7-14	8	Distribution amount loaded to branch. Two decimal positions.
Funding Date	15-22	8	MMDDYYYY
Constant	23	1	Always "N" [hard-coded]

Sample Wire File

The below image is a sample of what to expect in each FSW_RTS Wire File.

```

File Edit Format View Help
SIGNONRECTEST      2019071910023700000023
CRFBAF820TEST      0707070707          FWT20190719USDP0CRF02.1
P20TEST            20190719FWT00000000044008220190719000000000004050.22USDD C C
P32      ADDFOR FURTHER CREDIT TO KHESSE TESTIN
P32      ADDG ACCOUNT 777777
P400707070707          000000077 USDUS15
P41FWT06557788      DA 0044332200          US
P42RBBANK
P50222              US
P51321 NEVERLAND ST
P52BIRMINGHAM          AL35201
P53RTS              US
P55
P56              US
P80000000000000001500000000000001000000000000000443322000000000000405022

```

FRB FedWire Service Interface

The FRB FedWire Service(FSW) Interface is used to generate a wire file in the FRB FedWire Service format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [FRB FedWire Services File Specifications](#).

System Preferences

The FSW Interface is enabled and configured in System Preferences, **Identification/system constants**, **Interface parameters**, **FRB FedWire Export** folder, as described following:

Preference	Description
Format Version	Describes the version number of the Fedwire Funds Service message format. Assumes an implied decimal point (e.g. 30 means version 3.0). The only value is: 30 Current Fedwire Funds Transfer message format.
User Request Correlation	The sending DI may use this field to correlate the message sent to the FedWire Funds Service with the response received from the FedWire Funds Service.
Test Production Code	Indicates the type of message sent by the sender T = Test Message P = Production Message
Sender D.I. (Short-	The telegraphic name associated with the SENDER ABA NUMBER.

Preference	Description
name)	
Type	Identifies the type of FedWire funds transfer message. The type code is: 10 = A funds transfer in which the sender and/or the receiver may be a bank or a third party (i.e., customer of a bank).
Subtype	Identifies the purpose of the FedWire funds transfer message. The subtype code is: 00 = Basic Funds Transfer – A basic value transaction.
File Sequence Number	This is auto-populated by the system with the next number in the sequence
Business Function Code	Describes the business purpose of the FedWire funds transfer message. Must be present. CTR Customer Transfer (Beneficiary is not a bank)
Output Path	
Originator's Name	Input the Originator's Name
Originator's Address #1	Input the Originator's Address Line 1
Originator's Address #2	Input the Originator's Address Line 2
Originator's City	Input the Originator's City
Originator's State	Input the Originator's State
Originator's Zip Code	Input the Originator's Zip Code
Show Sender D.I (Shortname)	Indicates whether or not to include Sender D.I (Shortname) in export file.
Show Receiver (Shortname)	Indicates whether or not to include Receiver (Shortname) in export file.
Show Originator's Information	Indicated whether or not to include Originator's Information (Name, Address 1 & 2, City, State, Zip) in export file.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_FRB**.

FRB FedWire Service File Specifications

The file generated is a text file with each record consisting of Tags and Data Elements either fixed or variable in length in the following format:

Name	Type	Len	Req	Description	Hard Coded / System Preference
Interface Data	Alphanumeric	8	Yes	"YFT811 " For FedLine Advantage senders. FedLine Advantage customers that import messages must supply this value. FedLine Advantage customers that manually enter messages do not need to supply this value; rather, it is supplied by the Federal Reserve Banks.	Hard Coded
Sender Supplied Information	Tag	6		{1500}	Hard Coded
Format Version	Numeric	2	Yes	Describes the version number of the FedWire Funds Service message format. Assumes an implied decimal point (e.g. 30 means version 3.0). The only value is: 30 Current FedWire Funds Transfer message format.	Set in System Preference > Identification/System Constants > Interface Parameters > FRB FedWire Export > Format Version
URC	Alphanumeric	8	Yes	User Request Cor-	Set in System Prefer-

Name	Type	Len	Req	Description	Hard Coded / System Preference
				relation (URC):The sending DI may use this field to correlate the message sent to the FedWire Funds Service with the response received from the FedWire Funds Service.	ence > Identification/System Constants > Interface Parameters > FRB FedWire Export > User Request Correlation
Test Production Code	Alpha	1	Yes	Indicates the type of message sent by the sender. T = Test Message P = Production Message	Set in System Preference > Identification/System Constants > Interface Parameters > FRB FedWire Export > Test Production Code
Type/SubType	Tag	6		{1510}	Hard Coded
Type Code	Numeric	2	Yes	Identifies the type of FedWire funds transfer message. The type code is: 10 = A funds transfer in which the sender and/or the receiver may be a bank or a third party (i.e., customer of a bank).	Set in System Preference > Identification/System Constants > Interface Parameters > FRB FedWire Export > Type/Subtype Code
SubType	Numeric	2	Yes	Identifies the purpose of the FedWire funds transfer message. The subtype code is: 00 = Basic Funds Transfer – A basic value transaction.	Set in System Preference > Identification/System Constants > Interface Parameters > FRB FedWire Export > Type/Subtype Code

Name	Type	Len	Req	Description	Hard Coded / System Preference
IMAD	Tag	6		{1520}	Hard Coded
Input Cycle Date	Numeric	8	Yes	The cycle date of the application that sent the outgoing message from the DI to the FedWire Funds Service.	Format: (YYYYMMDD)
Amount	Tag	6		{2000}	Hard Coded
Amount	Numeric	12	Yes	The amount can be up to a penny less than 10 billion (\$9,999,999,999.99). The amount must be right justified with leading zeroes, an implied decimal point and no commas (e.g., \$12,345.67 becomes 000001234567).	CheckHdr.Amt
Sender DI	Tag	6		{3100}	Hard Coded
Sender ABA Number	Numeric	9	Yes	The ABA number of the SENDER DI. Must be present.	Accounts.BankABANo Where REptModName=e=FSW_FRB or if using Override Cash Accounts, the Override Cash Accounts BankABANo.
Sender Short Name	Alpha/Numeric/Special Characters	0-18	Yes	The telegraphic name associated with the SENDER ABA NUMBER.	Set in System Preference > Identification/System Constants > Interface Parameters > FRB FedWire Export >

Name	Type	Len	Req	Description	Hard Coded / System Preference
					Sender D.I (Short-name)
Delimiter	DLM	1		*	Hard Coded
Sender Reference	Tag	6		{3320}	Hard Coded
Sender Reference	Alphanumeric	0-16		Can be used by the SENDER DI to include its reference information for the message.	System Generated Sender Reference (MMDDYY Shortname File# of the Day)
Delimiter	DLM	1		*	Hard Coded
Receiver DI	Tag	6		{3400}	Hard Coded
Receiver ABA Number	Numeric	9	Yes	The ABA number of the RECEIVER DI. Must be present.	CliBank.ABANo
Receiver Short Name	Alpha/Numeric/Special Characters	0-18	Yes	The telegraphic name associated with the RECEIVER DI NUMBER.	CliBank.BankName
Delimiter	DLM	1		*	Hard Coded
Business Function Code	Tag	6		{3600}	Hard Coded
Business Function Code	Alpha	3	Yes	Describes the business purpose of the FedWire funds transfer message. CTR Customer Transfer (Beneficiary is not a bank)	Set in System Preference > Identification/System Constants > Interface Parameters > FRB FedWire Export > Business Function Code
Beneficiary	Tag	6		{4200}	Hard Coded
Beneficiary ID	Alphanumeric	1	Yes	Specifies the	Hard Coded

Name	Type	Len	Req	Description	Hard Coded / System Preference
Code				IDENTIFIER as one of the following types: D = DDA account number	
Beneficiary Identifier	Alpha/Numeric/Special Characters	0-34	Yes	Indicates the identifier data associated with the ID CODE.	CliBank.BankAccountNo
Delimiter	DLM	1		*	Hard Coded
Beneficiary Name	Alpha/Numeric/Special Characters	0-34	Yes	Beneficiary's Name	CheckHdr.Payee
Delimiter	DLM	1		*	Hard Coded
Beneficiary Address 1	Alpha/Numeric/Special Characters	0-35	Yes	Beneficiary's Address Line 1	CheckHdr.Addr1
Delimiter	DLM	1		*	Hard Coded
Beneficiary Address 2	Alpha/Numeric/Special Characters	0-35	Yes	Beneficiary's Address Line 2	CheckHdr.Addr2
Delimiter	DLM	1		*	Hard Coded
Beneficiary Address 3	Alpha/Numeric/Special Characters	0-35	Yes	Beneficiary's Address Line 3	CheckHdr.City CheckHdr.State CheckHdr.ZipCode
Delimiter	DLM	1		*	Hard Coded
Originator	Tag	6		{5000}	Hard Coded
Originator ID Code	Alphanumeric	1	Yes	Specifies the IDENTIFIER as one of the following types: D = DDA account number	Hard Coded
Originator Identifier	Alpha/Numeric/Special Characters	0-20	Yes	Indicates the identifier data asso-	Accounts.BankAcctNo Where REptModName-

Name	Type	Len	Req	Description	Hard Coded / System Preference
				ciated with the ID CODE. Must be present if ID CODE is present.	=FSW_FRB or if using Override Cash Accounts, the Override Cash Accounts BankAcctNo.
Delimiter	DLM	1		*	Hard Coded
Originator Name	Alpha/Numeric/Special Characters	0-34	Yes	Originator 's Name	Set in System Preference > Identification/System Constants > Interface Parameters > FRB FedWire Export > Originator Name
Delimiter	DLM	1		*	Hard Coded
Originator Address 1	Alpha/Numeric/Special Characters	0-35	Yes	Originator 's Address Line 1	Set in System Preference > Identification/System Constants > Interface Parameters > FRB FedWire Export > Originator Address 1
Delimiter	DLM	1		*	Hard Coded
Originator Address 2	Alpha/Numeric/Special Characters	0-35	Yes	Originator 's Address Line 2	Set in System Preference > Identification/System Constants > Interface Parameters > FRB FedWire Export > Originator Address 2
Delimiter	DLM	1		*	Hard Coded
Originator Address 3	Alpha/Numeric/Special Characters	0-35	Yes	Originator 's Address Line 3	Set in System Preference > Identification/System

Name	Type	Len	Req	Description	Hard Coded / System Preference
					Constants > Interface Parameters > FRB FedWire Export > Originator: City State Zip Code
Delimiter	DLM	1		*	Hard Coded
Originator to Beneficiary Information	Tag	6		{6000}	Hard Coded
Originator to Beneficiary Information Lines 1-4	Alpha/Numeric/Special Characters	0-35		Used to identify information conveyed from the originator of the message to the beneficiary (e.g., details of the payment, including invoice numbers and amounts.) Each line separated by hard coded delimiter (*).	CliBank.Spclnst

Sample Wire File

The below image is a sample of what to expect in each FSW_FRB Wire File. Notice the hard coded tags and delimiters (*) between the data.

```

FRB_20190926_11543838 - Notepad
File Edit Format View Help
YFT811 {1500}30FRBTESTWP {1510}1000{1520}20190625 {2000}000000000300{3100}111111111TBNoInsurance*{3320}092619TB00000019*{3400}
112233445Regions*(3600)CTR{4200}D9965328741*Wire Writer*852 30th Street*Ste 103*Birmingham AL 35213*(5000)D123456789*TB No Insurance*1700 Main
Street*Suite 100*Birmingham AL 35555-1234*
{6000}SPECIAL INSTRUCTIONS BY GENA FOR TE*
{6000}STING PURPOSES OF THE NEW FRB FED W*
{6000}IRE WRITER FORMAT NEED MORE INFORMA*
{6000}TION FOR FOURTH LINE INSTRUCTIONS *

```

FIS ConnectWare Interface

The FIS ConnectWare Interface is similar in concept to other FactorSoft check/wire interfaces, but features live posting of credits instead of producing a batch file for upload to the host. When the check is written from the Write Checks screen in FactorSoft, the ConnectWare interface connects via a web service to FIS' Integrated Banking Service core banking system, and updates the credits to your DDA account in real time.

System Preferences

The following FIS ConnectWare Interface System Preferences in the **Identification/system constants, Interface parameters, FIS/IBS ConnectWare connection parameters** folder are specific to the connectivity to the FIS/IBS web service:

Preference	Description
FIS Vendor ID Assigned to Jack Henry™	Enter the FIS provided vendor ID for connection to the SZChgPwd web service.
FIS SZChgPwd Version	Enter the FIS SZChgPwd password change web service version.
FIS UUID	Enter the FIS provided user ID for connection to the SZChgPwd web service.
Authorized Database name	Enter the FactorSoft Database name.
Authorized SQL Server name	Enter the SQL Database server name on which the FactorSoft database resides.
Share folder to store copy of request XML	Specify the folder in which the XML file for the interface transaction is stored.
ConnectWare Targer Site	Enter the FIS Connectware URL.
Test User Id	If FIS/IBS ConnectWare parameters, Use Production Credentials is set to False , enter the test user name with which to transmit.
Test Bank Id	If FIS/IBS ConnectWare parameters, Use Production Credentials is set to False , enter the test Bank Id with which to transmit.
Production User Id	If FIS/IBS ConnectWare parameters, Use Production Credentials is set to True , enter the production user name with which to transmit.

Preference	Description
Production Password	If FIS/IBS ConnectWare parameters, Use Production Credentials is set to True , enter the production user name with which to transmit.
Production Bank Id	If FIS/IBS ConnectWare parameters, Use Production Credentials is set to True , enter the production Bank Id with which to transmit.

The following FIS ConnectWare Interface System Preferences in the **Identification/system constants, Interface parameters, FIS/IBS ConnectWare DPMultiDollar** folder are specific to the MultiDollar real-time DDA credit web calls:

Preference	Description
DPMultiDollar Version	Enter the ConnectWare DDA Interface version.
Use Production Credentials	Set to True to transmit to FIS ConnectWare with the production credentials.
Txn Code for Purchase and Advance	Enter the transaction code that identifies purchase and advance transactions to the core banking application.
Txn Descr for Purchase and Advance	Enter the transaction description for purchase and advance transactions.
Txn GL Offset acct for Purchase and Advance	Enter the GL offset account for the offsetting accounting entry to be created for the purchase and advance transactions.
Txn Code for Reserve Funding Disbursement	Enter the transaction code that identifies reserve funding disbursement transactions to the core banking application.
Txn Descr for Reserve Funding Disbursement	Enter the transaction description for reserve funding disbursement transactions.
Txn GL Offset acct for Reserve Funding Disbursement	Enter the GL offset account for the offsetting accounting entry to be created for the reserve funding disbursement transactions.
Txn Code for ABL Advance	Enter the transaction code that identifies bulk collateral advance transactions to the core banking application.

Preference	Description
Txn Descr for ABL Advance	Enter the transaction description for bulk collateral advance transactions.
Txn GL Offset acct for ABL Advance	Enter the GL offset account for the offsetting accounting entry to be created for bulk collateral advance disbursement transactions.
Txn Code for ABL Funding	Enter the transaction code that identifies bulk collateral funding transactions to the core banking application
Txn Descr for ABL Funding	Enter the transaction description for bulk collateral funding transactions.
Txn GL Offset acct for ABL Funding	Enter the GL offset account for the offsetting accounting entry to be created for bulk collateral funding disbursement transactions.
Txn Code for Chargeback	Enter the transaction code that identifies chargeback transactions to the core banking application.
Txn Descr for Chargeback	Enter the transaction description for chargeback transactions.
Txn GL Offset for Chargeback	Enter the GL offset account for the offsetting accounting entry to be created for the chargeback transactions.

Override Crystal Report Module

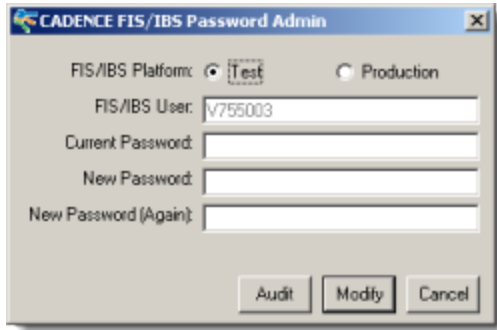
On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_FISS**.

FIS ConnectWare Password Change

To accommodate FIS's password requirements for ConnectWare, the FactorSoft ConnectWare DDA Interface includes password maintenance accessed from the Administration module.

For implementations of FactorSoft that utilize the ConnectWare DDA Interface, an FIS/IBS Password Admin option exists on the System Menu of the Administration module. This option opens the FactorSoft FIS/IBS Password Administration screen, which is used to set new passwords for a ConnectWare User ID. When a password change is initiated through this screen, the password maintenance request is forwarded to the FIS web service, and if the connection is successful, the new password is stored in FactorSoft and the user is notified of the change. If unsuccessful, the password is not changed in FactorSoft, and the user is notified of the connection failure.

Note that access to the FactorSoft FIS/IBS Password Administration screen can be limited by Security Role.



Field	Description
FIS/IBS Platform	Indicates whether the user ID is a Test or Production credential.
FIS/IBS User	Displays the FIS ConnecWare user name for the database.
Current Password	Enter the current password for the user name.
New Password	Enter the new password for the user name.
New Password (Again)	Reenter the password entered in the New Password field.
Audit	Click this button to open the Audit screen for the Password, which displays changes to the ConnectWare password for the User ID with the following data: <ul style="list-style-type: none"> • Date/Time: date and time that the change occurred. • User: FactorSoft User ID that changed the password. • Changed From: the old password value prior to the change.
Modify	Click this button to save the password change.
Cancel	Click this button to close the screen without saving.

FIS Metavante System Wire Interface

The FIS Metavante Interface is similar in concept to other FactorSoft check/wire interfaces, by producing a batch file for upload to the host. This is accomplished without a direct connection and not in real-time. This wire writer can only be used to affect bank DDA accounts where the lender is a bank. It cannot be used to credit or debit accounts not housed on the lending bank's core system.

See the [FIS Connectware](#) interface for connecting via a web service to FIS' Integrated Banking Service core banking system, and updating the credits to your DDA account in real time.

Click here for the [FIS Metavante System Wire File Specifications](#).

System Preferences

The FIS Metavante System Wire Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, FIS Metavante** folder, as described following:

Preference	Description
Originator Name	Originator Name - Used in field 24-43 in file header.
Machine ID	Originating Device ID - Used in field 104-113 in file header.
Bank Number	Metavante assigned bank number valid values =0-9 - Used in field 81-83 in batch header and in field 21-23 in TransRec. (If bank number = 0 then throws an error "MetavanteBank Number is not Set")
Debit Tran Code	Metavante Debit Tran Code Valid value = 0-9 - Used in field 39-43 in TransRec (IF amt is negative Debit Tran Code Else Crdit Tran Code)
Credit Tran Code	Metavante Credit Tran Code valid values = 0-9 - Used in field 39-43 in TransRec (IF amt is negative Debit Tran Code Else Crdit Tran Code)
Source Code	Metavante Source Code - Used in field 65-66 in TransRec (If SourceCode is blank then displays the value "DP")
Posting Type	"Post Type(L=Live, M=Memo, or Blank)" - Used in field 142 in TransRec
Output Folder	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_FISM**.

FIS Metavante System Wire File Specifications

The FIS Metavante Wire file is a .txt file with the following file specifications.

HEADER				
Name	Position	Type	Len	Description
File Identifier Code	1	Alphanumeric	2	Universal Transaction. Must be UT.
File record sequence number.	3	Numeric	7	Sequence number within file. First record in file (File Header) contains a 1 and all subsequent records contain a value incremented by 1.
Record Identifier	10	Alphanumeric	4	Identifies each record in a transaction and on the file. If no match, or in wrong order the file will be rejected.
Version number	14	Alphanumeric	2	Identifies what version of the record being used.
File contents description	16	Alphanumeric	8	
Origination name	24	Alphanumeric	20	This value should identify the sender in text format. Name of the organization that created and sent this file. This will be used for audit and control purposes. Left justified, blank filled.
Origination Code	44	Alphanumeric	1	Alpha "O"
Origination ID	45	Numeric	9	Currently the only value for this field is all zero. [000000000]
Description	64	Alphanumeric	20	Describes contents not used for any tests, edits, etc.
File Creation Date	84	Numeric	8	Calendar date of the file creation. [YYYYMMDD]
File Creation Time	92	Numeric	4	Based on a 24 hour clock. [HHMM]
Work As of Date	96	Numeric	8	CLMS Working Date [YYYYMMDD]

HEADER				
Name	Position	Type	Len	Description
Machine ID	104	Alphanumeric	10	Informational for audit or research.
Creation program ID	114	Alphanumeric	8	Name of program that created the Vertical Stack file. "CADENCE"
Filler	122	Alphanumeric	131	131 character space.

BATCH HEADER				
Name	Position	Type	Len	Description
File Identifier Code	1	Alphanumeric	2	Universal Transaction. Must be UT.
File record sequence number.	3	Numeric	7	Sequence number within file. First record in file (File Header) contains a 1 and all subsequent records contain a value incremented by 1.
Record Identifier	10	Alphanumeric	4	Identifies each record in a transaction and on the file. If no match, or in wrong order the file will be rejected.
Version number	14	Alphanumeric	2	Identifies what version of the record being used.
Bank Number	81	Alphanumeric	3	Metavante assigned bank number. Absolutely required and must be the same on all records in the file
Filler	122	Alphanumeric	131	131 character space.

TRANSACTION RECORD				
Name	Position	Type	Len	Description
File Identifier Code	1	Alphanumeric	2	Universal Transaction. Must be UT.
File record sequence number.	3	Numeric	7	Sequence number within file. First record in file (File Header) contains a 1 and all subsequent records contain a value incre-

TRANSACTION RECORD				
Name	Position	Type	Len	Description
				mented by 1.
Record Identifier	10	Alphanumeric	4	Identifies each record in a transaction and on the file. If no match, or in wrong order the file will be rejected.
Version number	14	Alphanumeric	2	Identifies what version of the record being used.
Application Code	16	Alphanumeric	5	Application Code. If not "D + 4 spaces " transaction will reject.
Bank Number	21	Alphanumeric	3	Metavante assigned bank number. Absolutely required and must be the same on all records in the file
Account Number	24	Numeric	15	Account Number
Transaction Code	39	Numeric	5	FIS_CRTTrnCode when CHECKHDR.CheckAmt is positive; FIS_DRTTrnCode when CHECKHDR.CheckAmt is negative
Transaction Type Code	44	Alphanumeric	1	"C" for Credit or "D" for Debit and must match the Term Type specified.
Source Code (legacy)	45	Numeric	3	Old Source Code defining 'Source' of transaction. [000]
Control Number	48	Numeric	17	Zero Fill [00000000000000000]
New Source Code 1	65	Alphanumeric	2	Identifies the application that initiated the transaction. Default to "DP" if FIS_SourceCode is NULL
Transaction Amount	85	Numeric	18	Amount of the Transaction. Must be unsigned numeric. First 7 most significant positions must be zero. Decimal assumed.
Serial Number	103	Numeric	11	Check serial number IF all numeric*** otherwise zero fill. Must be unsigned and

TRANSACTION RECORD				
Name	Position	Type	Len	Description
				must be numeric
Reversal Indicator	127	Alphanumeric	1	Must be spaces or "N"
Force Post Indicator	128	Alphanumeric	1	Must be spaces or "N"

BATCH TRAILER				
Name	Position	Type	Len	Description
File Identifier Code	1	Alphanumeric	2	Universal Transaction. Must be UT.
File record sequence number.	3	Numeric	7	Sequence number within file. First record in file (File Header) contains a 1 and all subsequent records contain a value incremented by 1.
Record Identifier	10	Alphanumeric	4	Identifies each record in a transaction and on the file. If no match, or in wrong order the file will be rejected.
Version number	14	Alphanumeric	2	Identifies what version of the record being used.
Batch Record Count	81	Numeric	18	Total number of records in batch, including the batch header and batch trailer records. Must be unsigned numeric.
Batch Debit Transaction Count	99	Numeric	18	Total number of Debit Transactions in the batch. Must be unsigned numeric.
Batch Debit Transaction Amount	117	Numeric	18	Count of Credit Transactions in Batch.
Batch Credit Transaction	153	Numeric	18	Dollar Amount of all Credit transactions in batch. Must be unsigned numeric,

BATCH TRAILER				
Name	Position	Type	Len	Description
Amount				decimal assumed
Filler	189	Alphanumeric	64	64 character space.

FILE TRAILER				
Name	Position	Type	Len	Description
File Identifier Code	1	Alphanumeric	2	Universal Transaction. Must be UT.
File record sequence number.	3	Numeric	7	Sequence number within file. First record in file (File Header) contains a 1 and all subsequent records contain a value incremented by 1.
Record Identifier	10	Alphanumeric	4	Identifies each record in a transaction and on the file. If no match, or in wrong order the file will be rejected.
Version number	14	Alphanumeric	2	Identifies what version of the record being used.
Total Record Count	16	Numeric	18	Total number of records in file including the batch header and batch trailer records. Must be unsigned numeric.
Debit Transaction Count	34	Numeric	18	Total number of Debit Transactions in the file. Must be unsigned numeric.
Debit Transaction Amount	52	Numeric	18	Dollar Amount of all debit transactions in batch. Must be unsigned numeric, decimal assumed.
Credit Transaction Count	70	Numeric	18	Count of Credit Transactions in file
Credit Transaction Amount	88	Numeric	18	Dollar Amount of all Credit transactions in file Must be unsigned numeric, decimal assumed.
Filler	124	Alphanumeric	129	129 character space.

FleetOne Interface

FleetOne Fuel Card Interface is used to generate a payment to the client's FleetOne Fuel Card account. The interface produces a .TXT file in the FleetOne format below from the FactorSoft Write Checks screen, which is used by FleetOne for immediate funding of the fuel card(s). The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to FleetOne.

An offset file is produced in the vendor's bank wire format for transmittal of the funds from the client to FleetOne. The Offset bank account information is entered in System Preferences, as described below.

Click here for the [FleetOne File Specifications](#).

System Preferences

The FleetOne Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, FleetOne Fuel export parameters** folder, as described following:

Preference	Description
Account number	FleetOne Fuel account number
Company Code	Specify the file name prefix for the export file, which is provided by Fleetone
Output folder	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_FLTI**.

FleetOne File Specifications

The FleetOne Payment file is 23 bytes in length and is always named **FLT1MMDDYYID#.TXT**, where **FLT1** is a constant, **MMDDYY** is the date of the file creation, and **ID#** is a unique 3 position sequence number for each run on the same day.

Name	Pos	Len	Description
File Header			
Account Number	1-6	6	FleetOne account number.

Name	Pos	Len	Description
			Set in System Preference Identification/system constants , Interface parameters, FleetOne Fuel export parameters, Account number.
Batch Id	7-15	9	Unique Batch ID (last batch +1), right aligned, zero filled
Batch Dollar Total	16-23	8	Calculated total of all detail records in the file This number is right aligned and zero padded with an assumed decimal.
File Detail			
Client Account Number	1-6	6	Client FleetOne Fuel Bank Account # from Client/Bank Relationship screen in FactorSoft
Payout Amount	7-14	8	Transaction (Payout) amount. This number is right aligned and zero padded with an assumed decimal.
Funding Date	15-22	15	Transaction Date, MMDDCCYY The date of the transfer.
Processing Flag	23	1	Constant of "N" to indicate the record has not been processed by FleetOne.

IBB Wire Interface

The IBB Wire Interface is used to generate a wire file in the IBB Wire format from the FactorSoft Write Checks screen. FactorSoft has a standardized IBB Wire File template format. To use the IBB Wire, access the Template Builder on the IBB Client Portal and set the Position Numbers for each Field Name exactly as indicated in the IBB Wire File Specifications and save the format.

NOTE

Previous versions of the IBB Online Template will need to be updated to the Standardized settings once upgraded to v4.2.

Click here for the [IBB Wire File Specifications](#).

System Preferences

The IBB Wire Interface is enabled and configured in System Preferences, **Identification/system constants**, **Interface parameters**, **IBB Wire** folder, as described following:

Preference	Description
Template Name	Specify the template name created for the IBB Wire File.
Wire Initiator Name	Enter the Wire Initiator Name.
Wire Initiator Address 1	Enter the Wire Initiator Address Line 1.
Wire Initiator Address 2	Enter the Wire Initiator Address Line 2.
Wire Initiator Address 3	Enter the Wire Initiator Address Line 3.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_IBB**.

IBB Wire File Specifications

The IBB Wire file is a comma delimited .txt file with the following file specifications. The name of the file is "IBB" plus the date and a number sequence that goes to 99 then resets back to zero. For example, "IBBYMMDD05.txt."

NOTE

Access the IBB Wire File format from the IBB Client Portal and set the field properties as listed below.

Template Characteristics

Type	Requirement
Field Delimiter	Comma
Date Format	MM/DD/YYYY

Type	Requirement
Amount Format	Decimal included. (123.00)

File Specifications

Field Name	Required	Pos	Type	Length	Description	CLMS Field Code & Rules
Debit Field Information						
Template Name	Required	1	Alpha/Numeric	50	Template Name for IBB Wire File	Set in System Preference > Identification/System Constants > Interface Parameters > IBB Wire > Template Name
ABA/TRC	Required	2	Numeric	9	ABA/TRC	Accounts.BankABANo, or if using Cash Override Account (Accounts.AtCashAcct), then it's Accounts.BankABANo
Account Type	Required	3	Alpha	1	2 Valid Inputs (C) checking or (S) Savings	Hard Code Account Type = C
Account Number	Required	4	Alpha/Numeric	35	Debit Account Number	Accounts.BankAccountNo; or if using Cash Override Account (Accounts.AtCashAcct), then it's Accounts.BankAccountNo
Amount	Required	5	Numeric	15	Greater than 0.00 and less than 100,000,000.00; decimal to indicate cents Always show decimal and two places	CheckHdr.Amt

Field Name	Required	Pos	Type	Length	Description	CLMS Field Code & Rules
					even when amount is whole dollars for example: \$1 should show as 1.00.	
Send on Date	Required	6	Numeric	10	MM/DD/YYYY	Checkhdr.CheckDate
Currency	Required	7	Alpha	3	Currency Code	Accounts.CurrencyType
Recipient Field Information						
Bank Id Type	Required	8	Alpha	5	Three Valid inputs: ABA, Swift, Chips	If CliBank.Swif code, Then show SWIFT. Or Else CliBank is ABA, Then show ABA
Bank ID	Required	9	Alpha/Numeric	35	Bank ID	If SWIFT, then CliBank.SwiftCode. Or else If ABA, CliBank.aba
Bank Name	Required	10	Alpha/Numeric	35	Bank Name	Clibank.BankName
Bank Address 1	N/A		Alpha/Numeric	35	Bank Address line 1	Field Does not Exist in CLMS
Bank Address 2	N/A		Alpha/Numeric	35	Bank Address line 2	Field Does not Exist in CLMS
Bank Address 3	N/A		Alpha/Numeric	35	Bank Address Line 3	Field Does not Exist in CLMS
Recipient Account	Required	11	Alpha/Numeric	35	If appropriate, Provide IBAN	If Payee is Client, Then CliBank.BankAcctNo If Payee is Carrier, Then Carriers.BankAcctNo

Field Name	Required	Pos	Type	Length	Description	CLMS Field Code & Rules
Recipient Name	Required	12	Alpha/Numeric	35	Recipient Name	Checkhdr.Payee
Recipient address 1	Required	13	Alpha/Numeric	35	Recipient address 1	Checkhdr.Addr1
Recipient address 2	Optional	14	Alpha/Numeric	35	Recipient address 2	Checkhdr.City
Recipient Address 3	Optional	15	Alpha/Numeric	35	Recipient Address 3	Checkhdr.State
Additional Information for Recipient	Optional	16	Alpha/Numeric	140	Special Instructions	CliBank.SpecInst
First Intermediary Information						
Bank ID Type	Optional	17	Alpha	5	Three Valid inputs: ABA, Swift, Chips	<p>If Payee is Client, Then CliBank.InterBankSwiftCode,, Then show SWIFT, or Else if CliBank.InterBankAbaCode, Then show ABA</p> <p>If Payee is Carrier, Then Carriers.InterBankSwiftCode, then show SWIFT or If Carriers.InterBankAbaCode, Then Show ABA</p>
Bank ID	Optional	18	Alpha/Numeric	11	Intermediary Bank ABA # or Swift#	<p>If Payee is Client, SWIFT, then CliBank.InterBankSwiftCode. Or else If ABA, Clibank.InterBankABANo</p> <p>If Payee is Carrier, SWIFT,</p>

Field Name	Required	Pos	Type	Length	Description	CLMS Field Code & Rules
						Then Car- rier.InterBankSwiftCode or Or else If ABA, Car- riers.BankAbaNo
Intermediary Account	Optional	19	Alpha/Numeri- c	35	Intermediary Bank Acct #	If Payee is Client, Then CliBank.InterBankAcctNo
						If Payee is Carrier, Then Carriers.InterBankAcctNo
Bank Name	Optional	20	Alpha/Numeri- c	35	Intermediary Bank Name	If Payee is Client, then CliBank.InterBankName
						If Payee is Carrier, Then Carriers.InterBankName
Bank Address 1	N/A		Alpha/Numeri- c	35	Intermediary Bank Address line 1	Field does not exists in CLMS
Bank Address 2	N/A		Alpha/Numeri- c	35	Intermediary Bank Address line 2	Field does not exists in CLMS
Bank Address 3	N/A		Alpha/Numeri- c	35	Intermediary Bank Address line 3	Field does not exists in CLMS
Wire Ini- tiator Inform- ation						
Wire Initiator Name	Optional	21	Alpha/Numeri- c	35	Wire Initiator Name	Set in System Preference > Identification/System Constants > Interface Parameters > IBB Wire > Wire Initiator Name
Wire Initiator Address 1	Optional	22	Alpha/Numeri- c	35	Wire Initiator Address 1	Set in System Preference > Identification/System Constants > Interface Parameters > IBB Wire >

Field Name	Required	Pos	Type	Length	Description	CLMS Field Code & Rules
						Wire Initiator Address 1
Wire Initiator Address 2	Optional	23	Alpha/Numeric	35	Wire Initiator Address 2	Set in System Preference > Identification/System Constants > Interface Parameters > IBB Wire > Wire Initiator Address 2
Wire Initiator Address 3	Optional	24	Alpha/Numeric	35	Wire Initiator Address 3	Set in System Preference > Identification/System Constants > Interface Parameters > IBB Wire > Wire Initiator Address 3

Sample Wire File

The below image is a sample of what to expect in each IBB Wire File.

NOTE

When using a **Paybymethod**, the Account # and ABA # associated to the **Paybymethod** from the Accounts table will be populated in the export file, unless an **Override Cash Account** is set on the **Payby** account. If an **Override Cash Account** is set, then the Account # and ABA # from the **Override Cash Account** will be populated in the export file.



Jack Henry Federal Wire Interface

The Jack Henry Federal Wire Interface is used to generate a wire file in the Jack Henry format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [Jack Henry Wire File Specifications](#).

System Preferences

The Jack Henry Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, Jack Henry Federal Wire interface** folder, as described following:

Preference	Description
Company Name	Enter the company name to be included in the wire file.
Direct entry user ID name	Enter the user-id that authorizes sending the wire file.
Transaction description	Enter the account name to be included in the wire file.
Workstation ID name	Enter the workstation ID code.
Wire output path	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to FSW_FWJH.

Jack Henry File Specifications

The file is a physical file with a record length 2966 bytes in the following format:

Name	Pos	End	Len	Packed	Description
WTDACT	1	9	16	Yes	Customer account number
WTDATY	10	10	1	No	Customer account type
WTGLBRANCH	11	12	2	Yes	Branch number

Name	Pos	End	Len	Packed	Description
WTGLACCTNO	13	16	7	Yes	Account number
WTGLCOST	17	19	4	Yes	Cost center
WTGLPROD	20	21	3	Yes	Product code
WTSEQ	22	25	7	Yes	Wire sequence number
WTBATCH	26	28	4	Yes	Wire batch number
WTORGPST	29	29	1	No	Orig/Posted Wire Code
WTSTAT	30	31	2	No	Wire transfer Status
WTREASN	32	41	10	No	Error reason
WTRANTYP	42	42	1	No	Wire transfer type
WTBNAM	43	60	18	No	Beneficiary bank short name
WTADD1	61	95	35	No	Beneficiary bank address 1
WTADD2	96	130	35	No	Beneficiary bank address 2
WTADD3	131	165	35	No	Beneficiary bank address 3
WTADD4	166	200	35	No	Beneficiary bank address 4
WTABA	201	205	9	Yes	Beneficiary bank ABA
WTCACT	206	239	34	No	Beneficiary account number
WTCTYP	240	240	1	No	Beneficiary account type
WTCANM	241	275	35	No	Beneficiary account name
WTCAA1	276	310	35	No	Beneficiary address 1
WTCAA2	311	345	35	No	Beneficiary address 2
WTCAA3	346	380	35	No	Beneficiary address 3
WTNOT1	381	415	35	No	Wire transfer notes 1
WTNOT2	416	450	35	No	Wire transfer notes 2
WTNOT3	451	485	35	No	Wire transfer notes 3

Name	Pos	End	Len	Packed	Description
WTNOT4	486	520	35	No	Wire transfer notes 4
WTWID	521	530	10	No	Wire workstation ID
WTUID	531	540	10	No	Wire user id
WTINITUSER	541	550	10	No	Wire initiating user
WTINITWSID	551	560	10	No	Wire initiating workstation id
WTCOAPPUID	561	570	10	No	Company approver
WTCORQSUID	571	580	10	No	Company requestor
WTCOAPPID#	581	587	12	Yes	Company Approver ID
WTCORQSID#	588	594	12	Yes	Company Requestor ID
WTDATE	595	598	6	Yes	Wire transfer date
WTDAT7	599	602	7	Yes	Wire transfer date
WTTIME	603	606	6	Yes	Wire transfer time
WTAMT	607	612	11/2	Yes	Wire amount
WTREPC	613	622	10	No	Wire repetitive code
WTNOTC	623	623	1	No	Send a notice
WTFEE	624	626	5/2	Yes	Wire transfer fee
WTANACOUNT	627	627	1	No	Analysis counter?
WTNOUT	628	628	1	No	Incoming or outgoing
WTOFFS	629	630	2	No	GL Offset Code
WTBIBK	631	664	34	No	Intermediary FI identifier
WTBIBI	665	665	1	No	Intermediary FI ID code
WTBIB2	666	700	35	No	Intermediary FI name
WTBIB3	701	735	35	No	Intermediary FI address 1
WTBIB4	736	770	35	No	Intermediary FI address 2

Name	Pos	End	Len	Packed	Description
WTBIB5	771	805	35	No	Intermediary FI address 3
WTBBK	806	839	34	No	Beneficiary FI identifier
WTBBBI	840	840	1	No	Beneficiary FI ID code
WTBBB2	841	875	35	No	Beneficiary FI name
WTBBB3	876	910	35	No	Beneficiary FI address 1
WTBBB4	911	945	35	No	Beneficiary FI address 2
WTBBB5	946	980	35	No	Beneficiary FI address 3
WTBRFB	981	996	16	No	Reference beneficiary
WTSDFR	997	1012	16	No	Sender reference
WTOOGB	1013	1046	34	No	Originator FI identifier
WTOOGI	1047	1047	1	No	Originator FI ID code
WTOOG2	1048	1082	35	No	Originator FI name
WTOOG3	1083	1117	35	No	Originator FI address 1
WTOOG4	1118	1152	35	No	Originator FI address 2
WTOOG5	1153	1187	35	No	Originator FI address 3
WTOINS	1188	1221	34	No	Instructing FI identifier
WTOINI	1222	1222	1	No	Instructing FI ID code
WTOIN2	1223	1257	35	No	Instructing FI name
WTOIN3	1258	1292	35	No	Instructing FI address 1
WTOIN4	1293	1327	35	No	Instructing FI address 2
WTOIN5	1328	1362	35	No	Instructing FI address 3
WTFIBK	1363	1388	26	No	Intermediary FI advice 1
WTFIB2	1389	1421	33	No	Intermediary FI advice 2
WTFIB3	1422	1454	33	No	Intermediary FI advice 3

Name	Pos	End	Len	Packed	Description
WTFIB4	1455	1487	33	No	Intermediary FI advice 4
WTFIB5	1488	1520	33	No	Intermediary FI advice 5
WTFIB6	1521	1553	33	No	Intermediary FI advice 6
WTFBBK	1554	1579	26	No	Beneficiary FI advice 1
WTFBB2	1580	1612	33	No	Beneficiary FI advice 2
WTFBB3	1613	1645	33	No	Beneficiary FI advice 3
WTFBB4	1646	1678	33	No	Beneficiary FI advice 4
WTFBB5	1679	1711	33	No	Beneficiary FI advice 5
WTFBB6	1712	1744	33	No	Beneficiary FI advice 6
WTFBNF	1745	1770	26	No	Beneficiary advice 1
WTFBN2	1771	1803	33	No	Beneficiary advice 2
WTFBN3	1804	1836	33	No	Beneficiary advice 3
WTFBN4	1837	1869	33	No	Beneficiary advice 4
WTFBN5	1870	1902	33	No	Beneficiary advice 5
WTFBN6	1903	1935	33	No	Beneficiary advice 6
WTFBBI	1936	1970	35	No	FI-to-FI information 1
WTFBI2	1971	2005	35	No	FI-to-FI information 2
WTFBI3	2006	2040	35	No	FI-to-FI information 3
WTFBI4	2041	2075	35	No	FI-to-FI information 4
WTFBI5	2076	2110	35	No	FI-to-FI information 5
WTFBI6	2111	2145	35	No	FI-to-FI information 6
WTFRC1	2146	2175	30	No	Receiver FI info 1
WTFRC2	2176	2208	33	No	Receiver FI info 2
WTFRC3	2209	2241	33	No	Receiver FI info 3

Name	Pos	End	Len	Packed	Description
WTFRC4	2242	2274	33	No	Receiver FI info 4
WTFRC5	2275	2307	33	No	Receiver FI info 5
WTFRC6	2308	2340	33	No	Receiver FI info 6
WTFIF1	2341	2370	30	No	Intermediary FI info 1
WTFIF2	2371	2403	33	No	Intermediary FI info 2
WTFIF3	2404	2436	33	No	Intermediary FI info 3
WTFIF4	2437	2469	33	No	Intermediary FI info 4
WTFIF5	2470	2502	33	No	Intermediary FI info 5
WTFIF6	2503	2535	33	No	Intermediary FI info 6
WTTPCD	2536	2537	2	Yes	Type code
WTTPSB	2538	2539	2	Yes	Sub-type code
WTBFCD	2540	2542	3	No	Business function code
WTOACT	2543	2576	34	No	Originator code
WTOTYP	2577	2577	1	No	Originator type
WTCIFNO	2578	2584	7	No	Customer CIF Number
WTCFNA1	2585	2619	35	No	Originator code
WTCFAN2	2620	2654	35	No	Address line 1
WTCFAN3	2655	2689	35	No	Address line 2
WTCFAN4	2690	2724	35	No	Address line 3
WTCFAN5	2725	2759	35	No	Address line 4
WTCFAN6	2760	2794	35	No	Address line 5
WTCOID	2795	2801	12	Yes	Company ID Number
WTNETID	2802	2808	12	Yes	Netteller ID number
CONFNO	2809	2814	10	Yes	Confirmation number

Name	Pos	End	Len	Packed	Description
WTREPCDS	2815	2844	30	No	Repetitive code description
WTPLTFRM	2845	2845	1	No	Wire platform source
WTCYCDAT	2846	2849	4	No	Cycle date
WTSRCID	2850	2857	8	No	Source ID
WTMSGSEQ	2858	2863	6	No	Sequence number
WTID#	2864	2880	17	No	Identification number
WTIMAD	2881	2902	22	No	IMAD Number
WTOMAD	2903	2924	22	No	OMAD Number
WTRVCYCDT	2925	2932	8	No	Reversal Cycle Date YYYYMMDD
WTRVSRCID	2933	2940	8	No	Reversal source ID
WTRVSEQNO	2941	2946	6	No	Reversal sequence number
WTADJDATE	2947	2954	8	No	Adjustment date
WTADJRESN	2955	2956	2	No	Adjustment reason
WTEXPANDED	2957	2957	1	No	Expanded wire
WTMEMPOSTD	2958	2958	1	No	Memo posted
WTLSTCDTE	2959	2962	6	Yes	Last change date
WTLSTCDT7	2963	2966	7	Yes	Last change date

Jack Henry CFMTRN Direct Account Interface

The Jack Henry CFMTRN Direct Account Interface is used to transmit "on-us" payments to the JHA SilverLake System. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the JHA SilverLake System.

Click here for the [Jack Henry CFMTRN Direct Account File Specifications](#).

System Preferences

The Jack Henry CFMTRN Direct Account Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, Jack Henry CFMTRN Direct Account Interface** folder, as described following:

Preferences	Descriptions
Batch Number Modifier	Enter an addend modifier for the batch number (e.g. batch number 1 with an addend of 900 yields batch number 901)
Credit Txn Code for Disbursements	Funding Txn Code for Credit
Debit Txn Code for Disbursements	Funding Txn Code for Debit
Send Offset Account as G/L or DDA	Purchase and Advance Txn GL Offset account [0] = Send G/L number for offset [1] = Send associated DDA number for offset
Input Source	CFMTRN Input source
Source of Funds	CFMTRN Source of Funds
Workstation ID Name	Workstation ID Code
Workstation Direct Entry User ID Name	User ID authorized to send wire
Output path	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_JHCF**.

Jack Henry CFMTRN Direct Account File Specifications

The Jack Henry CFMTRN Direct Account file is a .txt with the following specifications.

Field	Len	Pos	Start Pos	End Pos	Description	Required	CADENCE Data	Notes
DRACNO	17	1	1	17	Debit Acct	Y	SysPref	Cash Account G/L or the DDA of the writer Set in System Preference Identification/system constants , Interface parameters, Jack Henry CFMTRN Direct Account interface
DRACTY	1	10	18	18	Debit Acct Type	Y	G or D	G or D depending on DRACNO setting
DRTRAN	5	11	19	23	Debit Tran Code	Y	SysPref	Set in System Preference Identification/system constants , Interface parameters, Jack Henry CFMTRN Direct Account interface
DRDORC	1	14	24	24	Debit Dr or Cr	Y	D	
DRAFFT	2	15	25	26	Debit Affects Code	N	B	B for Balance
DRSERL	10	17	27	36	Debit Serial Number	N	"0"	
DRREFF	16	23	37	52	Debit Doc Reference	N	Space(16)	
CRACNO	17	39	53	69	Credit Acct	Y	CliBankAcctNo	
CRACTY	1	48	70	70	Credit Acct Type	Y	D	D for DDA

Field	Len	Pos	Start Pos	End Pos	Description	Required	CADENCE Data	Notes
CRTRAN	5	49	71	75	Credit Tran Code	Y	SysPref: CRTRAN	Set in System Preference Identification/system constants, Interface parameters, Jack Henry CFMTRN Direct Account interface
CRDORC	1	52	76	76	Credit Dr or Cr	Y	C	
CRAFFT	2	53	77	78	Credit Affects Code	N	B	B for Balance
CRSERL	10	55	79	88	Credit Serial Number	N	CtlCheckNo	
CRREFF	16	61	89	104	Credit Doc Reference	N	Space(16)	
CFAMT	11 (9v2)	77	105	115	Amount	Y	CheckHdr.Amt	
CFTRD6	6	83	116	121	Tran Date	Y	Now()	MMDDYY
CFTRDT	7	87	122	128	Tran Date	Y	Now()	Julian YYYYJJJ
CFEFD6	6	91	129	134	Effective Date	Y	Now()	MMDDYY
CFEFD7	7	95	135	141	Effective Date	Y	Now()	Julian YYYYJJJ
CFSRC	2	99	142	143	Input Source	N	SysPref: CFSRC	Set in System Preference Identification/system constants, Interface parameters, Jack

Field	Len	Pos	Start Pos	End Pos	Description	Required	CADENCE Data	Notes
								Henry CFMTRN Direct Account interface
CFBTCH	4	101	144	147	Batch No	Y	Sequential Number	This is the "CTR" data element that is also used in the file name. It starts at 1 each day and increments
DRSEQ	10	104	148	157	Debit Seq No	Y	Sequential Number	Same as CRSEQ
CRSEQ	10	110	158	167	Credit Seq No	Y	Sequential Number	Same as DRSEQ
CFSTAT	1	116	168	168	Status	N	0	
CFMUID	24	117	169	192	User ID	N	SysPref: CFMUID	Set in System Preference Identification/system constants , Interface parameters, Jack Henry CFMTRN Direct Account interface
CFMWID	24	141	193	216	Workstation ID	N	SysPref: CFMWID	Set in System Preference Identification/system constants , Interface parameters, Jack Henry CFMTRN Direct Account interface
CFMTIM	6	165	217	222	Time	N	Now()	MMDDYY
CRDSC1	30	169	223	252	Description Line 1	N	CheckHdr.Descr	

Field	Len	Pos	Start Pos	End Pos	Description	Required	CADENCE Data	Notes
CRDSC2	30	199	253	282	Description Line 2	N	Space(30)	
CFOFFR	6	229	283	288	Officer	N	Space(6)	
CFPASS	14	235	289	302	Officer Password	N	Space(14)	
CFISRC	2	249	303	304	Source Of Funds	N	SysPref: CFISRC	Set in System Preference Identification/system constants, Interface parameters, Jack Henry CFMTRN Direct Account interface

Sample Wire File

The below image is a sample of what to expect in each FSW_JHCF Wire File.

 JHCF1910100002.TXT - Notepad

File Edit Format View Help

```
555555555          D      3DB          0          7777777D22222CB          6500
```

Loves Express Fuel Card Interface

The Loves Express (LEX) Fuel Card Interface is used to generate a payment to the client's Loves Express Fuel Card account. The interface produces a .TXT file in the Loves Express format below from the

FactorSoft Write Checks screen, which is used by Loves for immediate funding of the fuel card(s). The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to Loves.

Click here for the "LEX File Specifications" below.

System Preferences

The LEX Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, Loves Express Fuel export parameters** folder, as described following:

Preference	Description
Account number	LEX Fuel account number
Output folder	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_LEX**.

LEX File Specifications

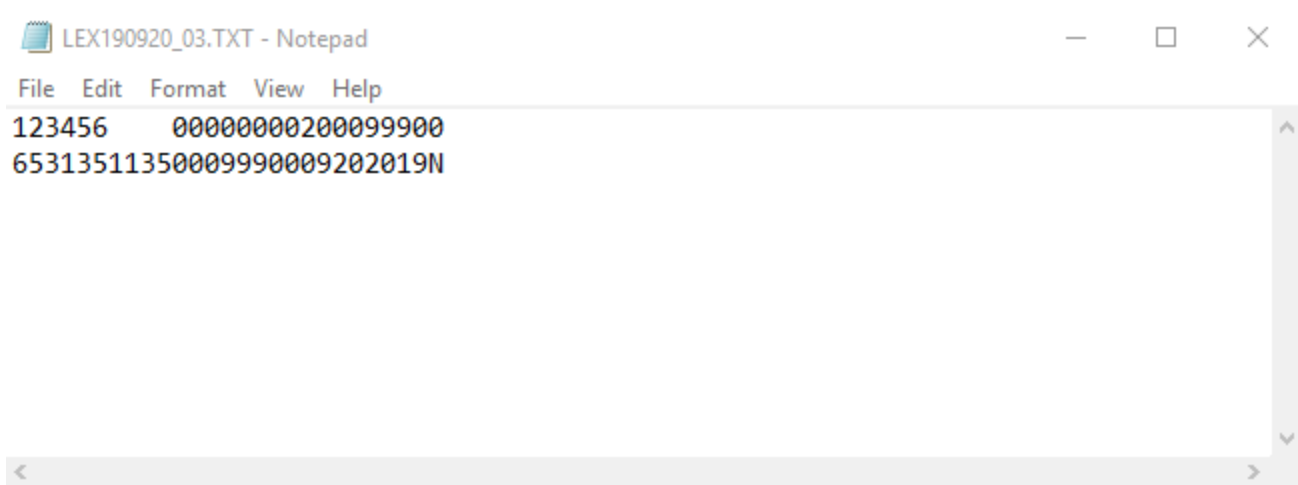
The Love's Express Fuel Card Interface file is 27 bytes in length.

Name	Pos	Len	Description
File Header			
LEX Account Number	1-10	10	Loves Express account number. Set in System Preference Identification/system constants , Interface parameters, FleetOne Fuel export parameters, Account number.
Batch Id	11-19	9	Unique Batch ID (last batch +1), right aligned, zero filled
Batch Dollar Total	20-27	8	Calculated total of all detail records in the file This number is right aligned and zero padded with an assumed decimal.
File Detail			

Name	Pos	Len	Description
Client Account Number	1-10	10	Client Loves Express Fuel Bank Account # from Client/Bank Relationship screen in FactorSoft
Payout Amount	11-18	8	Transaction (Payout) amount. This number is right aligned and zero padded with an assumed decimal.
Funding Date	19-26	7	Transaction Date, MMDDCCYY The date of the transfer.
Processing Flag	27	1	Constant of "N" to indicate the record has not been processed by FleetOne.

Sample Wire File

The below image is a sample of what to expect in each Love's Express Fuel Card File.



M&T Bank Batch Wire Interface

The M&T Bank Batch Interface is used to generate a wire file in the M&T Bank Batch Wire format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [M&T Bank Batch Wire File Specifications](#).

System Preferences

The M&T Bank Batch Wire Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, M&T Batch Wire interface parameters(FSW_MTBW Writer)** folder, as described following:

Preference	Description
Transmission ID	Transmission ID Supplied by bank
Wire Identifier	Wire ID Supplied by M&T Wire Room
Email 1	Batch Email Address 1
Email 2	Batch Email Address 2
Email 3	Batch Email Address 3
Effective Entry Date Add-on Value	File Date plus this value will be used as Detail Record Value Date
Output folder	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_MTBW**.

M&T Bank Batch Wire File Specifications

The M&T Bank Batch Payment file is .txt files created in the following format:

Transmission Record (one per file)

Name	Field Tag Identifier	Required	Len	Type	Description	Field Code/System Preference
Record ID	RID=	Yes	2	Numeric	'00' Zeroes	
Transmission ID	TID=	Yes	20	Alphanumeric	Transmission unique identifier. Value of first two characters to be supplied to the	Set in System Preferences > Identification/System Constants > M&T Batch Wire Interface

Name	Field Tag Identifier	Required	Len	Type	Description	Field Code/System Preference
					client by the bank.	Parameters > Transmission ID
Date	VDT=	No	6	Numeric	Must be current date in format YYMMDD	
Record Total	RCT=	Yes	5	Numeric	Total number of RID Type '11's	
File Dollar Total	AMT=	Yes	16	Numeric	comma(s) optional; Decimal point required. Max amount 9,999,999,999.99	

Batch Record (Optional; if provided, one per file)

Name	Field Tag Identifier	Required	Len	Type	Description	Field Code/System Preference
Record ID	RID=	No	2	Numeric	'01'	
Batch ID	TID=	Yes	8	Alphanumeric	Batch unique identifier	
Batch Dollar Total	AMT=	Yes	16	Numeric	Comma(s) optional; Decimal point required. Max amount 9,999,999,999.99	
Record Total	RCT=	Yes	5	Numeric	Total number of RID Type '11's	
Record ID	RID=	No	2	Numeric	'02' Note: If provided, the EM!+ tag is Required.	

Name	Field Tag Identifier	Required	Len	Type	Description	Field Code/System Preference
					EM@= and EM#= are optional	
Email Address 1	EM1=	No	60	Alphanumeric	E-mail address for acknowledgments Must contain only one '@'	Set in System Preferences > Identification/System Constants > M&T Batch Wire Interface Parameters > Email 1
Email Address 2	EM2=	No	60	Alphanumeric	E-mail address for acknowledgments Must contain only one '@'	Set in System Preferences > Identification/System Constants > M&T Batch Wire Interface Parameters > Email 2
Email Address 3	EM3=	No	60	Alphanumeric	E-mail address for acknowledgments Must contain only one '@'	Set in System Preferences > Identification/System Constants > M&T Batch Wire Interface Parameters > Email 3

Detail Record(s) - Domestic (FED)

Name	Field Tag Identifier	Required	Len	Type	Description	Field Code/System Preference
Record ID	RID=	Yes	2	Numeric	'11'	
Item Reference	TID=	Yes	16	Alphanumeric	Wire Identifier	Set in System Preferences > Identification/System Constants > M&T Batch Wire Interface Parameters > Wire Identifier
Amount	AMT=	Yes	16	Numeric	Comma(s)	Checkhdr.Amt

Name	Field Tag Identifier	Required	Len	Type	Description	Field Code/System Preference
					optional; Decimal point required. Max amount 9,999,999,999.-99	
Value Date	VDT=	No	6	Numeric	May be current or future date but must be in YYYYMMDD format	Checkhdr.CheckDate
Debit Account	DAC=	Yes	15	Numeric	Debit account: 1-15 digits; exclude leading zeroes	Accounts.BankAccountNo or if using Cash Override Account (Accounts.AtCashAcct), it's Accounts.BankAccountNo
Beneficiary	BNF=	No	68	Alpha-numeric	Beneficiary name & Address	Checkhdr.Payee
BNF Account	CAC=	Yes	34	Alpha-numeric	Beneficiary Account Number	CliBank.BankAccountNo
Receiving Bank (FED)	RBK=	Yes	80	Alpha-numeric	Comprised of three fields, each delimited by a '/' character. Field 1 =A, Field 2 = 9 digit ABA number; (Include leading zeroes in ABA), Field 3=	Example: A/CliBank.AbaNo/CliBank.Bank-Name

Name	Field Tag Identifier	Required	Len	Type	Description	Field Code/System Preference
					Beneficiary Bank name. Example: A/ABA number/Bank Name	
Information Text	OBI=	No	72	Alpha-numeric	Originator to Beneficiary Reference information	CliBank.SpecInst
Add'l Information	OB2=	No	68	Alpha-numeric	Continuation of originator to beneficiary reference info	CliBank.SpecInst

Sample Wire File

The below image is a sample of what to expect in each FSW_MTBW Wire File.

```

MTBW20051501 - Notepad
File Edit Format View Help
RID=00TID=88202022VDT=200515RCT=00001AMT=000000000001.00
RID=01TID=88202022AMT=000000000001.00RCT=00001
RID=02EM1=gpond@jackhenry.com
RID=11TID=999
AMT=000000000001.00
VDT=200516
DAC=5555555555
BNF=Payable to Field Payable to Address City AL 5555
CAC=12345678901234567
RBK=A/111222333/Canada bank
OBI=Special instructions bank relationship testing the character limit wrapp
OB2=ing to OB2 for MTBatch Wire file...this is test information only
Windows (CRLF) Ln 1, Col 1 100%

```

M&T NACHA ACH/CCD Interface

The M&T NACHA ACH/CCD Interface is used to generate a wire file in the M&T NACHA ACH/CCD format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [M&T NACHA ACH/PPD File Specifications](#).

System Preferences

The M&T NACHA ACH/CCD Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, M&T NACHA ACH/CCD interface parameters (FSW_MCCD Writer)** folder, as described following:

Preference	Description
Bank name receiving this file	Bank name receiving this file (file header column 11)
Company description data	Internal company description (batch header column 8)
Company discretionary data	Discretionary company data (batch header column 4)
Company entry data	Entry description (batch header column 7)
Company name	Company name recognized by receiving bank (batch header column 3)
Company ID Code	Company ID Code should be supplied by Transmission Support
Company ID Number	The Tax ID number (only used in unbalanced files) of the company (batch header column 5a , batch control format column 7 and batch control record 7a)
Entry discretionary data	Entry discretionary data (batch detail column 9)
Lender account ABA number	"ABA number of the bank for the Lender, normally the same as processing banks ABA number (file header column 4)"
Lender Name	Name of lender recognized by the receiving bank (file header column 12)
Output Path	Specify the folder in which the file will be saved when it is created by the interface.

Preference	Description
Processing banks ABA number	ABA number of the bank that will be processing the wire (file header column 3 and Entry detail Record format column 10 if Trace # Prefix is blank)
Unbalanced file	"If set to true, Indicates that we are using the unbalanced file format"
Originator status code	Status code of the originator (batch header column 11)
Offset is G/L debit	Create debit with G/L offset code 47 (only for financial institutions) (Entry detail Record format column 2 if set to "TRUE" displays 47 otherwise displays 27 for balanced file format)
M&T ACH account number	The account number used for the M&T ACH account (Entry detail Record format column 4 for balanced file format)
M&T ACH ABA number	ABA number of the M&T ACH account
Write trigger file	A trigger file will be written whenever a file is finished being generated
Effective entry date add-on value	File Date plus this value will be used as Effective Entry Date (Batch Hdr Column 9)
Effective entry date add-on is business days	The add-on days are business days only Trace # Prefix text MTACH-TraceRoot - "The first 8 positions of the sequential trace numbers. If blank, M&T ACH Destination will be used."
M&T ACH Immediate Origin / File header record logic	Describes which preference to use for the Immediate Origin value in the header record (file header column 4a) 0 Use Company ID Number 1 Use Lender account ABA number

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_MCCD**.

M&T NACHA ACH/CCD File Specifications

The file generated is a .txt file with each record being presented in the following format:

Col	Name	Type	Pos	Len	Req	Description
	File Header Record - Exactly 1 per file; First Record in File; Record Length = 94					

Col	Name	Type	Pos	Len	Req	Description
1	Record Type	Numeric	1	1	Yes	Always '1'
2	Priority Code	Numeric	2	2	Yes	Always '01'
3	Immediate Destination	Alphanumeric	4	10	Yes	M&T Transit/Routing number: "022000046" for NY, "031302955" for PA or "052000113" for Mid-Atlantic.
4	Immediate Origin	Numeric	14	10	Yes	Originator's identification number, which will be used by M&T Bank to identify the company. The company's IRS employer identification number should be used here.
5	File Creation Date	Date	24	6	Yes	Format of the date is: YYMMDD
6	File Creation Time	Time	30	4	No	Format of the time is : HHMM
7	File ID Modifier	Alphanumeric	34	1	Yes	The File I.D. Modifier is provided to permit multiple files created on the same date and between the same participants to be distinguished. For a single file from a company, this field should contain "A." If the company has an additional file sent that same day with the same date, the modifier would be "B" (case sensitive).
8	Record Size	Numeric	35	3	Yes	Always '094'
9	Blocking Factor	Numeric	38	2	Yes	Always '10'
10	Format Code	Numeric	40	1	Yes	Always '1'
11	Immediate	Alphanumeric	41	23	No	The Bank's name should be dis-

Col	Name	Type	Pos	Len	Req	Description
	Destination Name					played as follows: "M&T BANK BUFFALO NY" (left justified).
12	Immediate Origin Name	Alphanumeric	64	23	No	The name of the originating company or organization (left justified).
13	Reference Code	Alphanumeric	87	8	No	Blank
Batch Header Record - 1 per batch, 1 to many per file; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '5'
2	Service Class Code	Numeric	2	3	Yes	Batch entry type: '200' = debits and credits '220' = credits only '225' = debits only
3	Company Name	Alphanumeric	5	16	Yes	The value of this field is established by the company for purposes of identifying the source of the entry, and descriptive purposes to the individual. The company name must be recognizable to the receiver, per NACHA rules.
4	Company Discretionary Data	Alphanumeric	21	20	No	Any additional information needed by the company.
5	Company Identification	Numeric	41	10	Yes	The company's IRS employer I.D. should be used here.
6	Standard Entry Class Code	Alpha	51	3	Yes	Always 'CCD'
7	Company Entry Description	Alphanumeric	54	10	Yes	The company establishes the value of this field to provide a description of the entry which will be displayed on the recipients' bank statement. For

Col	Name	Type	Pos	Len	Req	Description
						example: "Payroll" "Bill Pay" "Loan Payment"
8	Company Descriptive Date	Alphanumeric	64	6	No	The company establishes this field as a date for descriptive purposes. When used as the optional Same Day ACH Indicator, please enter "SDI700" in this field
9	Effective Entry Date	Date	70	6	Yes	The date the transaction should be applied to the receiver's account. This date cannot be set for same day or a date in the past. In addition, this date cannot be more than 10 calendar days in the future. Format: YYMMDD
10	Settlement Date	Blanks	76	3	NA	Blank
11	Originator Status Code	Numeric	79	1	Yes	Always '1'
12	Originating FI ID	Numeric	80	8	Yes	Partial M&T Transit/Routing Number: "02200004" for NY, "03130295" for PA, or "05200011" for Mid-Atlantic.
13	Batch Number	Numeric	88	7	Yes	The company assigns this number in ascending sequence by batch in a given file of entries. (Ascending number assigned by batch, not by record)
Detail Record - 1 per transaction, 1 to many per batch; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '6'
2	Transaction Code	Numeric	2	2	Yes	The value of this field should be determined from the following list. Please Note: M&T can only

Col	Name	Type	Pos	Len	Req	Description
						<p>receive payments into DDA or savings accounts.</p> <p>DDA Credit = 22</p> <p>DDA Debit = 27</p> <p>Savings Credit = 32</p> <p>Savings Debit = 37</p>
3	RDFI Transit/Routing Number	Numeric	4	8	Yes	The standard Transit/Routing (ABA) number is used to identify the financial institution at which the receiver's account is held. The ninth (check) digit is contained in the next field.
3a	Transit/Routing Check Digit	Numeric	12	1	Yes	The modular ten-check digit associated with the above ABA number.
4	FI Account Number	Alphanumeric	13	17	Yes	The individual's account number at the institution identified above. This field should be left justified and blank-filled.
5	Amount	Numeric	30	10	Yes	The receiving institution posts this amount to the appropriate account authorized by the receiver. A zero amount is acceptable with a prenote transaction code only; a specific amount must be present for all live transaction codes.
6	Individual Identification Number	Alphanumeric	40	15	No	This field can contain the accounting number by which the individual is known to the company. For example Employee Number (Required for Payroll Card transactions).

Col	Name	Type	Pos	Len	Req	Description
7	Individual Name	Alphanumeric	55	22	Yes	This field is entered by the company and provides additional identification for the receiver and may be helpful in identifying returned items.
8	Discretionary Data	Alphanumeric	77	2	No	Required "S" or "R" by WEB transactions; left-justified. Otherwise not used (should be blank filled).
9	Addenda Record Indicator	Numeric	79	1	Yes	Always "0"
10	ODFI I.D.	Numeric	80	8	Yes	Same value as used on the Batch Header (5) record, positions 80-87; "02200004" for NY, "03130295" for PA, "05200011" for Mid-Atlantic.
11	Detail Entry Count	Numeric	88	7	Yes	A sequential number assigned to each transaction within the file (Trace #).
Batch Control Record - 1 per batch, 1 to many per file; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '8'
2	Service Class Code	Numeric	2	3	Yes	Batch entry type: '200' = debits and credits '220' = credits only '225' = debits only
3	Record Count	Numeric	5	6	Yes	This count is a tally of each entry detail (6) record and addenda (7) record processed within the batch.
4	Hash	Numeric	11	10	Yes	The critical Transit/Routing (ABA) number in each detail

Col	Name	Type	Pos	Len	Req	Description
						record is hashed to provide a check against inadvertent alteration of data contents due to hardware failure or program error. The entry detail transit routing is located in positions 04 - 11 of the type 6 record. (Note: Ignore any overflow beyond the ten-character field size).
5	Total Debit Entry Dollar Amount	Numeric	21	12	Yes	This field contains the accumulated entry detail debit totals (Tran codes 27 or 37) within a given batch. The amount field is located in positions 30–39 of the type 6 record.
6	Total Credit Entry Dollar Amount	Numeric	33	12	Yes	This field contains the accumulated entry detail credit totals (Tran codes 22 or 32) within a given batch. The amount field is located in positions 30–39 of the type 6 record.
7	Company ID Code	Numeric	45	1	Yes	Always "1"
7a	Company Identification	Numeric	46	10	Yes	Same value that was used on the Batch Header (5) record, positions 42–50.
8	Blanks	Blanks	55	19	No	Blanks
9	Originating FI ID	Numeric	80	8	Yes	Same value that was used on the Batch Header (5) record, positions 80–87; "02200004" for NY, "03130295" for PA or "05200011" for Mid-Atlantic.

Col	Name	Type	Pos	Len	Req	Description
10	Batch Number	Numeric	88	7	Yes	Same value that was used on the Batch Header (5) record, positions 88-94.
File Header Record - Exactly 1 per file; Last Record in File; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '9'
2	Batch Count	Numeric	2	6	Yes	This value must be equal to the number of Batch Header (5) records in the file.
3	Block Count	Numeric	8	6	Yes	The block count contains the number of physical blocks in the file, including both file header and file control records.
4	Entry and Addenda Count	Numeric	14	8	Yes	This count is a tally of each Entry Detail (6) and Addenda (7) records within the file.
5	Hash	Numeric	22	10	Yes	Same criteria as used to develop the batch control hash total except this data element pertains to the entire file.
6	File Total Debit Amount	Numeric	32	12	Yes	Same criteria as used to develop the similar element contained on the batch control record except this element pertains to the entire file. Format: \$\$\$\$\$\$\$\$\$\$CC
7	File Total Credit Amount	Numeric	44	12	Yes	Same criteria as used to develop the similar element contained on the batch control record except this element pertains to the entire file. Format: \$\$\$\$\$\$\$\$\$\$CC
8	Not used	Blanks	56	38	No	

Preference	Description
Company entry data	Entry description (batch header column 7)
Company name	Company name recognized by receiving bank (batch header column 3)
Company ID Code	Company ID Code should be supplied by Transmission Support
Company ID Number	The Tax ID number (only used in unbalanced files) of the company (batch header column 5a , batch control format column 7 and batch control record 7a)
Entry discretionary data	Entry discretionary data (batch detail column 9)
Lender account ABA number	"ABA number of the bank for the Lender, normally the same as processing banks ABA number (file header column 4)"
Lender Name	Name of lender recognized by the receiving bank (file header column 12)
Output Path	Specify the folder in which the file will be saved when it is created by the interface.
Processing banks ABA number	ABA number of the bank that will be processing the wire(file header column 3 and Entry detail Record format column 10 if Trace # Prefix is blank)
Unbalanced file	"If set to true, Indicates that we are using the unbalanced file format"
Originator status code	Status code of the originator (batch header column 11)
Offset is G/L debit	Create debit with G/L offset code 47 (only for financial institutions) (Entry detail Record format column 2 if set to "TRUE" displays 47 otherwise displays 27 for balanced file format)
M&T ACH account number	The account number used for the M&T ACH account(Entry detail Record format column 4 for balanced file format)
M&T ACH ABA number	ABA number of the M&T ACH account
Write trigger file	A trigger file will be written whenever a file is finished being generated
Effective entry date add-on value	File Date plus this value will be used as Effective Entry Date (Batch Hdr Column 9)
Effective entry date add-on is business	The add-on days are business days only Trace # Prefix text MTACH-TraceRoot - "The first 8 positions of the sequential trace numbers. If blank,

Preference	Description
days	M&T ACH Destination will be used."
M&T ACH Immediate Origin / File header record logic	Describes which preference to use for the Immediate Origin value in the header record(file header column 4a) 0 Use Company ID Number 1 Use Lender account ABA number

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_MPPD**.

M&T NACHA ACH/PPD File Specifications

The file generated is a .txt file with each record being presented in the following format:

Col	Name	Type	Pos	Len	Req	Description
File Header Record - Exactly 1 per file; First Record in File; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '1'
2	Priority Code	Numeric	2	2	Yes	Always '01'
3	Immediate Destination	Alphanumeric	4	10	Yes	M&T Transit/Routing number: "022000046" for NY, "031302955" for PA or "052000113" for Mid-Atlantic.
4	Immediate Origin	Numeric	14	10	Yes	Originator's identification number, which will be used by M&T Bank to identify the company. The company's IRS employer identification number should be used here.
5	File Creation Date	Date	24	6	Yes	Format of the date is: YYMMDD
6	File Creation	Time	30	4	No	Format of the time is : HHMM

Col	Name	Type	Pos	Len	Req	Description
	Time					
7	File ID Modifier	Alphanumeric	34	1	Yes	The File I.D. Modifier is provided to permit multiple files created on the same date and between the same participants to be distinguished. For a single file from a company, this field should contain "A." If the company has an additional file sent that same day with the same date, the modifier would be "B" (case sensitive).
8	Record Size	Numeric	35	3	Yes	Always '094'
9	Blocking Factor	Numeric	38	2	Yes	Always '10'
10	Format Code	Numeric	40	1	Yes	Always '1'
11	Immediate Destination Name	Alphanumeric	41	23	No	The Bank's name should be displayed as follows: "M&T BANK BUFFALO NY" (left justified).
12	Immediate Origin Name	Alphanumeric	64	23	No	The name of the originating company or organization (left justified).
13	Reference Code	Alphanumeric	87	8	No	Blank
Batch Header Record - 1 per batch, 1 to many per file; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '5'
2	Service Class Code	Numeric	2	3	Yes	Batch entry type: '200' = debits and credits '220' = credits only '225' = debits only
3	Company Name	Alphanumeric	5	16	Yes	The value of this field is established by the company for pur-

Col	Name	Type	Pos	Len	Req	Description
						poses of identifying the source of the entry, and descriptive purposes to the individual. The company name must be recognizable to the receiver, per NACHA rules.
4	Company Discretionary Data	Alphanumeric	21	20	No	Any additional information needed by the company.
5	Company Identification	Numeric	41	10	Yes	The company's IRS employer I.D. should be used here.
6	Standard Entry Class Code	Alpha	51	3	Yes	Always 'PPD'
7	Company Entry Description	Alphanumeric	54	10	Yes	The company establishes the value of this field to provide a description of the entry which will be displayed on the recipients' bank statement. For example: "Payroll" "Bill Pay" "Loan Payment"
8	Company Descriptive Date	Alphanumeric	64	6	No	The company establishes this field as a date for descriptive purposes. When used as the optional Same Day ACH Indicator, please enter "SD1700" in this field
9	Effective Entry Date	Date	70	6	Yes	The date the transaction should be applied to the receiver's account. This date cannot be set for same day or a date in the past. In addition, this date cannot be more than 10 calendar days in the future. Format: YYMMDD
10	Settlement Date	Blanks	76	3	NA	Blank

Col	Name	Type	Pos	Len	Req	Description
11	Originator Status Code	Numeric	79	1	Yes	Always '1'
12	Originating FI ID	Numeric	80	8	Yes	Partial M&T Transit/Routing Number: "02200004" for NY, "03130295" for PA, or "05200011" for Mid-Atlantic.
13	Batch Number	Numeric	88	7	Yes	The company assigns this number in ascending sequence by batch in a given file of entries. (Ascending number assigned by batch, not by record)
Detail Record - 1 per transaction, 1 to many per batch; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '6'
2	Transaction Code	Numeric	2	2	Yes	The value of this field should be determined from the following list. Please Note: M&T can only receive payments into DDA or savings accounts. DDA Credit = 22 DDA Debit = 27 Savings Credit = 32 Savings Debit = 37
3	RDFI Transit/Routing Number	Numeric	4	8	Yes	The standard Transit/Routing (ABA) number is used to identify the financial institution at which the receiver's account is held. The ninth (check) digit is contained in the next field.
3a	Transit/Routing Check Digit	Numeric	12	1	Yes	The modular ten-check digit associated with the above ABA number.
4	FI Account Num-	Alphanumeric	13	17	Yes	The individual's account num-

Col	Name	Type	Pos	Len	Req	Description
	ber					ber at the institution identified above. This field should be left justified and blank-filled.
5	Amount	Numeric	30	10	Yes	The receiving institution posts this amount to the appropriate account authorized by the receiver. A zero amount is acceptable with a prenote transaction code only; a specific amount must be present for all live transaction codes.
6	Individual Identification Number	Alphanumeric	40	15	No	This field can contain the accounting number by which the individual is known to the company. For example Employee Number (Required for Payroll Card transactions).
7	Individual Name	Alphanumeric	55	22	Yes	This field is entered by the company and provides additional identification for the receiver and may be helpful in identifying returned items.
8	Discretionary Data	Alphanumeric	77	2	No	Required "S" or "R" by WEB transactions; left-justified. Otherwise not used (should be blank filled).
9	Addenda Record Indicator	Numeric	79	1	Yes	Always "0"
10	ODFI I.D.	Numeric	80	8	Yes	Same value as used on the Batch Header (5) record, positions 80-87; "02200004" for NY, "03130295" for PA, "05200011" for Mid-Atlantic.
11	Detail Entry Count	Numeric	88	7	Yes	A sequential number assigned to each transaction within the

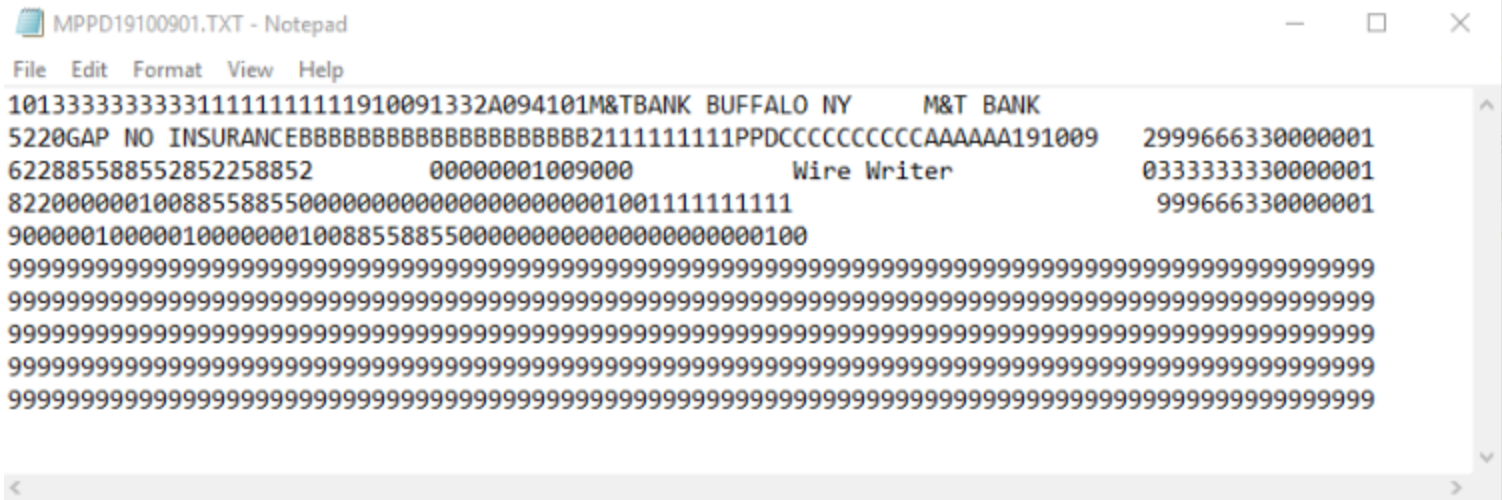
Col	Name	Type	Pos	Len	Req	Description
						file (Trace #).
Batch Control Record - 1 per batch, 1 to many per file; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '8'
2	Service Class Code	Numeric	2	3	Yes	Batch entry type: '200' = debits and credits '220' = credits only '225' = debits only
3	Record Count	Numeric	5	6	Yes	This count is a tally of each entry detail (6) record and addenda (7) record processed within the batch.
4	Hash	Numeric	11	10	Yes	The critical Transit/Routing (ABA) number in each detail record is hashed to provide a check against inadvertent alteration of data contents due to hardware failure or program error. The entry detail transit routing is located in positions 04 - 11 of the type 6 record. (Note: Ignore any overflow beyond the ten-character field size).
5	Total Debit Entry Dollar Amount	Numeric	21	12	Yes	This field contains the accumulated entry detail debit totals (Tran codes 27 or 37) within a given batch. The amount field is located in positions 30-39 of the type 6 record.
6	Total Credit Entry Dollar Amount	Numeric	33	12	Yes	This field contains the accumulated entry detail credit totals (Tran codes 22 or 32)

Col	Name	Type	Pos	Len	Req	Description
						within a given batch. The amount field is located in positions 30-39 of the type 6 record.
7	Company ID Code	Numeric	45	1	Yes	Always "1"
7a	Company Identification	Numeric	46	10	Yes	Same value that was used on the Batch Header (5) record, positions 42-50.
8	Blanks	Blanks	55	19	No	Blanks
9	Originating FI ID	Numeric	80	8	Yes	Same value that was used on the Batch Header (5) record, positions 80-87; "02200004" for NY, "03130295" for PA or "05200011" for Mid-Atlantic.
10	Batch Number	Numeric	88	7	Yes	Same value that was used on the Batch Header (5) record, positions 88-94.
File Header Record - Exactly 1 per file; Last Record in File; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '9'
2	Batch Count	Numeric	2	6	Yes	This value must be equal to the number of Batch Header (5) records in the file.
3	Block Count	Numeric	8	6	Yes	The block count contains the number of physical blocks in the file, including both file header and file control records.
4	Entry and Addenda Count	Numeric	14	8	Yes	This count is a tally of each Entry Detail (6) and Addenda (7) records within the file.
5	Hash	Numeric	22	10	Yes	Same criteria as used to develop the batch control hash

Col	Name	Type	Pos	Len	Req	Description
						total except this data element pertains to the entire file.
6	File Total Debit Amount	Numeric	32	12	Yes	Same criteria as used to develop the similar element contained on the batch control record except this element pertains to the entire file. Format: \$\$\$\$\$\$\$\$\$\$CC
7	File Total Credit Amount	Numeric	44	12	Yes	Same criteria as used to develop the similar element contained on the batch control record except this element pertains to the entire file. Format: \$\$\$\$\$\$\$\$\$\$CC
8	Not used	Blanks	56	38	No	

Sample Wire File

The below image is a sample of what to expect in each FSW_MPPD Writer File.



NAB Wire Interface

The NAB Interface is used to generate a wire file in the NAB format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be



transmitted via external means to the receiving institution.

Click here for the [NAB File Specifications](#).

System Preferences

The NAB Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, National/ANZ Online Direct Wire Interface** folder, as described following:

Preference	Description
Direct Entry User ID Code	168973
Lender Name	Enter Lender information
User Bank Code	NAB
Wire Number Prefix Code	Enter the wire prefix code that will be displayed before the check number.
Output Path	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_NAB**.

NAB File Specifications

The file generated is a .txt file with each record being presented in the following format:

Name	Type	Len	Description	Hard Coded / System Preference
User Bank Code	Tag	2	01	Hard-coded
User Bank Code	Alphanumeric	3	NAB	Hard-coded
Lender Name	Alphanumeric	26	Lender information from system preferences. You may enter up to 80 char-	Set in System Preference > Identification/System Constants > Interface Parameters > Nation-

Name	Type	Len	Description	Hard Coded / System Preference
			acters with the first 26 displaying in the wire file.	al/ANZ Online Direct Payment > Name & Address > Lender Name
Direct Entry User ID Code	Alphanumeric	6	168973	Hard-coded
Payment	Tag	6	PAYMENT	Hard-coded
Date	Alphanumeric	6	Enter Date in DDMMYY format.	
Wire Number Prefix Code	Alphanumeric	18	Prefix code + check number is limited to 18 characters.	Set in System Preference > Identification/System Constants > Interface Parameters > National/ANZ Online Direct Payment > Wire Number Prefix Code

Sample Wire File

The below image is a sample of what to expect in each FSW_NAB Wire File. Notice the hard-coded first character is always 0.

```

01NAB      Direct Entry User ID Name 132688Trans Descr 120819
10999933007878781 500000200299Escrow 10/10 Adv 80      pref600004      7687687235235777Khesse Testing 00000000
17687687235235777 130000200299Khesse Testing      7687687235235777Khesse Testing 00000000
7999-999      0000000000000002002990000200299      000002

```

NACHA ACH/CCD Interface

The NACHA ACH/CCD Interface is used to generate a wire file in the ACH CCD (Corporate Concentration and Disbursement, or sometimes referred to as Corporate Credit and Debit) format from the FactorSoft Write Checks screen. The interface can write either a balanced or unbalanced file, depending on the setting of the Unbalanced file System Preference. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [NACHA ACH/CCD File Specifications](#).

System Preferences

The NACHA ACH Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters**, NACHA ACH/CCD interface parameters (FSW_ACCD Writer) folder, as described following:

Preference	Description
Bank name receiving this file	Receiver institution name used in column 11 (pos. 41-63) of the File Header record.
Company description data	Internal company description used in column 8 (pos. 64-69) of the Batch Header record.
Company discretionary data	Company discretionary data used in column 4 (pos. 21-40) of the Batch Header Record.
Company entry data	Company entry (transaction) description used in column 7 (pos. 54-63) of the Batch Header record.
Company name	Company name used in column 3 (pos. 5-20) of the Batch Header Record. Up to 16 characters, used by receiving institution for identification and statement printing.
Company ID Number	Tax-ID number of company used in column 5 of (pos. 41-50) of Batch Header and column 7 (pos. 45-54) of Batch Control Record.
Entry discretionary data	Entry discretionary data used in column 9 (pos. 77-78) of Entry Detail Record. For company internal use.
Lender Account ABA number	R/T number of lender's account used in column 4 (pos. 14-23) of the File Header Record. Typically the same as the processing institution's R/T number.
Lender name	Lender name recognized by receiving institution used in column 12 (pos. 64-86) of the File Header Record.
Output folder	Specify the folder in which the file will be saved when it is created by the interface.
Processing banks ABA number	R/T of receiving institution that will process the file used in column 3 (pos. 4-13) of File Header Record.
Unbalanced file	True or False. If True , uses unbalanced file format.
Originator status	Originator Status Code used in column 11 (pos. 79) of the Batch Header

Preference	Description
code	Record.
Offset is G/L debit	True or False. If True , creates G/L offset entry detail record (transaction code 47).
ACH Account number	Account number used for the ACH account.
ACH ABA number	R/T number of the ACH account.
Write trigger file	True or False. If True , a trigger file is produced when each file is generated.
Effective entry date add on value	Number of days to add to effective date for Effective Entry Date used in column 9 (pos. 70–75) of Batch Header Record.
Effective entry date add-on is business days	True or False. True to indicate that the number of days to add to calculate the effective date of the file is exclusive of Saturdays and Sundays.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_ACCD**.

NACHA ACH File Specifications

The CCD file is an ASCII file with each record being 94 characters in the following format:

Col	Name	Type	Pos	Len	Req	Description
File Header Record – Exactly 1 per file; First Record in File; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '1'
2	Priority Code	Numeric	2	2	Yes	Always '01'
3	Immediate Destination	Alphanumeric	4	10	Yes	Destination R/T, preceded by a blank in position 4. Set in System Preference Iden-tification/system constants , Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Processing banks ABA number

Col	Name	Type	Pos	Len	Req	Description
4	Immediate Origin	Numeric	14	10	Yes	R/T of lender's account. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Lender Account ABA number
5	File Creation Date	Date	24	6	Yes	
6	File Creation Time	Time	30	4	No	
7	File ID Modifier	Alphanumeric	34	1	Yes	Provides unique id for multiple files. Uppercase 'A' - 'Z', '0' - '9'.-'A' for first.
8	Record Size	Numeric	35	3	Yes	Always '094'
9	Blocking Factor	Numeric	38	2	Yes	Always '10'
10	Format Code	Numeric	40	1	Yes	Always '1'
11	Immediate Destination Name	Alphanumeric	41	23	No	Receiver institution name. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH interface (CCD) parameters, Bank name receiving this file
12	Immediate Origin Name	Alphanumeric	64	23	No	Lender company name. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Lender name.
13	Reference Code	Alphanumeric	87	8	No	

Col	Name	Type	Pos	Len	Req	Description
Batch Header Record - 1 per batch, 1 to many per file; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '5'
2	Service Class Code	Numeric	2	3	Yes	Batch entry type: '200' = debits and credits '220' = credits only '225' = debits only
3	Company Name	Alphanumeric	5	16	Yes	Lender company name. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Company name.
4	Company Discretionary Data	Alphanumeric	21	20	No	Company discretionary data for internal use. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Company discretionary data.
5	Company Identification	Numeric	41	10	Yes	Tax-ID number of company. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Company ID Number
6	Standard Entry Class Code	Alpha	51	3	Yes	Always 'CCD'
7	Company Entry Description	Alphanumeric	54	10	Yes	Transaction description. Set in System Preference Identification/system constants ,

Col	Name	Type	Pos	Len	Req	Description
						Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Company entry data.
8	Company Descriptive Date	Alphanumeric	64	6	No	Internal company description data. Set in System Preference Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Company description data
9	Effective Entry Date	Date	70	6	Yes	Effective date plus number of days in System Preference Identification/system constants , Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Effective entry date add on value
10	Settlement Date	Blanks	76	3	NA	Julian. Set by ACH.
11	Originator Status Code	Numeric	79	1	Yes	Always '1'
12	Originating FI ID	Numeric	80	8	Yes	Origin R/T, minus check digit
13	Batch Number	Numeric	88	7	Yes	Batch Number
Detail Record - 1 per transaction, 1 to many per batch; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '6'
2	Transaction Code	Numeric	2	2	Yes	27 = Deposit account 47 = GL Offset Debit
3	Receiving FI ID	Numeric	4	8	Yes	Destination R/T
4	Check Digit	Numeric	12	1	Yes	9th digit of Destination R/T
5	FI Account Number	Alphanumeric	13	17	Yes	Destination institution account number

Col	Name	Type	Pos	Len	Req	Description
6	Amount	Numeric	30	10	Yes	9(8)V99
7	Individual Identification Number	Alphanumeric	40	15	No	Receiver identification number
8	Individual Name	Alphanumeric	55	22	Yes	Receiver company name
9	Discretionary Data	Alphanumeric	77	2	No	User-defined field
10	Addenda Record Indicator	Numeric	79	1	Yes	Always "0"
11	Trace Number	Numeric	80	15	Yes	<p>Set System Preference Identification \system constants, Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Trace # Prefix to the lender ABA to pass the lender ABA in the Trace Number field.</p> <p>If the above preference is blank, the ACH Destination ABA number entered in System Preference Identification \system constants, Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Processing banks ABA number populates both the Immediate Destination field in the Header Record and the Trace Number field in the Detail Record.</p>
Batch Control Record - 1 per batch, 1 to many per file; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '8'
2	Service Class	Numeric	2	3	Yes	Batch entry type:

Col	Name	Type	Pos	Len	Req	Description
	Code					'200' = debits and credits '220' = credits only '225' = debits only
3	Record Count	Numeric	5	6	Yes	
4	Hash	Numeric	11	10	Yes	Add up all entries in column 3 of Detail records, report final 10 positions.
5	Total Debit Amount	Numeric	21	12	Yes	9(10)V99
6	Total Credit Amount	Numeric	33	12	Yes	9(10)V99
7	Company Identification	Numeric	45	10	Yes	Tax-ID number of company. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/CCD interface parameters (FSW_ACCD Writer), Company ID Number
8	Message Authentication Code	Blanks	55	19	No	
9	Not used	Blanks	74	6	No	
10	Originating FI ID	Numeric	80	8	Yes	Origin R/T, minus check digit
11	Batch Number	Numeric	88	7	Yes	Batch Number
File Header Record - Exactly 1 per file; Last Record in File; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '9'
2	Batch Count	Numeric	2	6	Yes	Total number of Batch Header records.
3	Block Count	Numeric	8	6	Yes	Total number of physical blocks including File Header and Con-

Col	Name	Type	Pos	Len	Req	Description
						trol records.
4	Record Count	Numeric	14	8	Yes	Total number of Detail records.
5	Hash	Numeric	22	10	Yes	Add up all entries in column 3 of Detail records, report final 10 positions.
6	File Total Debit Amount	Numeric	32	12	Yes	9(10)V99
7	File Total Credit Amount	Numeric	44	12	Yes	9(10)V99
8	Not used	Blanks	56	38	No	

NACHA ACH/PPD Interface

The NACHA ACH/PPD Interface is used to generate a wire file in the ACH/PPD (Prearranged Payments and Deposit entries) format, which is used to fund individual, non-corporate accounts, from the FactorSoft Write Checks screen. The interface can write either a balanced or unbalanced file, depending on the setting of the Unbalanced file System Preference. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [NACHA ACH/PPD File Specifications](#).

System Preferences

The NACHA ACH/PPD Interface is enabled and configured in System Preferences, **Identification/system constants**, Interface parameters, NACHA ACH/PPD interface parameters (FSW_APPD Writer), folder, as described following:

Preference	Description
Bank name receiving this file	Receiver institution name used in column 11 (pos. 41-63) of the File Header record.
Company description data	Internal company description used in column 8 (pos. 64-69) of the Batch Header record.
Company discretionary data	Company discretionary data used in column 4 (pos. 21-40) of the Batch Header Record.

Preference	Description
Company entry data	Company entry (transaction) description used in column 7 (pos. 54-63) of the Batch Header record.
Company name	Company name used in column 3 (pos. 5-20) of the Batch Header Record. Up to 16 characters, used by receiving institution for identification and statement printing.
Company ID Number	Tax-ID number of company used in column 5 of (pos. 41-50) of Batch Header and column 7 (pos. 45-54) of Batch Control Record.
Entry discretionary data	Entry discretionary data used in column 9 (pos. 77-78) of Entry Detail Record. For company internal use.
Lender Account ABA number	R/T number of lender's account used in column 4 (pos. 14-23) of the File Header Record. Typically the same as the processing institution's R/T number.
Lender name	Lender name recognized by receiving institution used in column 12 (pos. 64-86) of the File Header Record.
Output folder	Specify the folder in which the file will be saved when it is created by the interface.
Processing banks ABA number	R/T of receiving institution that will process the file used in column 3 (pos. 4-13) of File Header Record.
Unbalanced file	True or False . If True , uses unbalanced file format.
Originator status code	Originator Status Code used in column 11 (pos. 79) of the Batch Header Record.
Offset is G/L debit	True or False . If True , creates G/L offset entry detail record (transaction code 47).
ACH Account number	Account number used for the ACH account.
ACH ABA number	R/T number of the ACH account.
Write trigger file	True or False . If True , a trigger file is produced when each file is generated.
Effective entry date add on value	Number of days to add to effective date for Effective Entry Date used in column 9 (pos. 70-75) of Batch Header Record.
Effective entry date add-on is business days	True or False . True to indicate that the number of days to add to calculate the effective date of the file is exclusive of Saturdays and Sundays.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_APPD**.

NACHA ACH PPD File Specifications

The PPD file is an ASCII file with each record being 94 characters in the following format:

Col	Name	Type	Pos	Len	Req	Description
File Header Record - Exactly 1 per file; First Record in File; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '1'
2	Priority Code	Numeric	2	2	Yes	Always '01'
3	Immediate Destination	Alphanumeric	4	10	Yes	Destination R/T, preceded by a blank in position 4. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/PPD interface parameters (FSW_APPD Writer), Processing banks ABA number
4	Immediate Origin	Numeric	14	10	Yes	R/T of lender's account. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/PPD interface parameters (FSW_APPD Writer), Lender Account ABA number
5	File Creation Date	Date	24	6	Yes	
6	File Creation Time	Time	30	4	No	
7	File ID Modifier	Alphanumeric	34	1	Yes	Provides unique id for multiple files. Uppercase 'A' - 'Z', '0' - '9'. - 'A' for first.

Col	Name	Type	Pos	Len	Req	Description
8	Record Size	Numeric	35	3	Yes	Always '094'
9	Blocking Factor	Numeric	38	2	Yes	Always '10'
10	Format Code	Numeric	40	1	Yes	Always '1'
11	Immediate Destination Name	Alphanumeric	41	23	No	Receiver institution name. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/PPD interface parameters (FSW_APPD Writer), Bank name receiving this file
12	Immediate Origin Name	Alphanumeric	64	23	No	Lender company name. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/PPD interface parameters (FSW_APPD Writer), Lender name.
13	Reference Code	Alphanumeric	87	8	No	
Batch Header Record - 1 per batch, 1 to many per file; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '5'
2	Service Class Code	Numeric	2	3	Yes	Batch entry type: '200' = debits and credits '220' = credits only '225' = debits only
3	Company Name	Alphanumeric	5	16	Yes	Lender company name. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/PPD interface parameters (FSW_APPD Writer), Company name.

Col	Name	Type	Pos	Len	Req	Description
4	Company Discretionary Data	Alphanumeric	21	20	No	Company discretionary data for internal use. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/PPD interface parameters (FSW_APPD Writer), Company discretionary data.
5	Company Identification	Numeric	41	10	Yes	Tax-ID number of company. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/PPD interface parameters (FSW_APPD Writer), Company ID Number
6	Standard Entry Class Code	Alpha	51	3	Yes	Always 'PPD'
7	Company Entry Description	Alphanumeric	54	10	Yes	Transaction description. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/PPD interface parameters (FSW_APPD Writer), Company entry data.
8	Company Descriptive Date	Alphanumeric	64	6	No	Internal company description data. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/PPD interface parameters (FSW_APPD Writer), Company description data
9	Effective Entry Date	Date	70	6	Yes	Effective date plus number of days in System Preference Identification/system constants , Interface parameters,

Col	Name	Type	Pos	Len	Req	Description
						NACHA ACH/PPD interface parameters (FSW_APPD Writer), Effective entry date add on value
10	Settlement Date	Blanks	76	3	NA	Julian. Set by ACH.
11	Originator Status Code	Numeric	79	1	Yes	Always '1'
12	Originating FI ID	Numeric	80	8	Yes	Origin R/T, minus check digit
13	Batch Number	Numeric	88	7	Yes	Batch Number
Detail Record - 1 per transaction, 1 to many per batch; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '6'
2	Transaction Code	Numeric	2	2	Yes	27 = Deposit account 47 = GL Offset Debit
3	Receiving FI ID	Numeric	4	8	Yes	Destination R/T
4	Check Digit	Numeric	12	1	Yes	9th digit of Destination R/T
5	FI Account Number	Alphanumeric	13	17	Yes	Destination institution account number
6	Amount	Numeric	30	10	Yes	9(8)V99
7	Individual Identification Number	Alphanumeric	40	15	No	Receiver identification number
8	Individual Name	Alphanumeric	55	22	Yes	Receiver company name
9	Discretionary Data	Alphanumeric	77	2	No	User-defined field
10	Addenda Record Indicator	Numeric	79	1	Yes	Always "0"
11	Trace Number	Numeric	80	15	Yes	Set System Preference Identification \system constants, Interface parameters, NACHA

Col	Name	Type	Pos	Len	Req	Description
						<p>ACH/PPD interface parameters (FSW_APPD Writer), Trace # Prefix to the lender ABA to pass the lender ABA in the Trace Number field.</p> <p>If the above preference is blank, the ACH Destination ABA number entered in System Preference Identification \system constants, Interface parameters, NACHA ACH/CCD interface parameters (FSW_APPD Writer), Processing banks ABA number populates both the Immediate Destination field in the Header Record and the Trace Number field in the Detail Record.</p>
Batch Control Record - 1 per batch, 1 to many per file; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '8'
2	Service Class Code	Numeric	2	3	Yes	<p>Batch entry type:</p> <p>'200' = debits and credits</p> <p>'220' = credits only</p> <p>'225' = debits only</p>
3	Record Count	Numeric	5	6	Yes	
4	Hash	Numeric	11	10	Yes	Add up all entries in column 3 of Detail records, report final 10 positions.
5	Total Debit Amount	Numeric	21	12	Yes	9(10)V99
6	Total Credit Amount	Numeric	33	12	Yes	9(10)V99

Col	Name	Type	Pos	Len	Req	Description
7	Company Identification	Numeric	45	10	Yes	Tax-ID number of company. Set in System Preference Identification/system constants , Interface parameters, NACHA ACH/PPD interface parameters (FSW_APPD Writer), Company ID Number
8	Message Authentication Code	Blanks	55	19	No	
9	Not used	Blanks	74	6	No	
10	Originating FI ID	Numeric	80	8	Yes	Origin R/T, minus check digit
11	Batch Number	Numeric	88	7	Yes	Batch Number
File Header Record - Exactly 1 per file; Last Record in File; Record Length = 94						
1	Record Type	Numeric	1	1	Yes	Always '9'
2	Batch Count	Numeric	2	6	Yes	Total number of Batch Header records.
3	Block Count	Numeric	8	6	Yes	Total number of physical blocks including File Header and Control records.
4	Record Count	Numeric	14	8	Yes	Total number of Detail records.
5	Hash	Numeric	22	10	Yes	Add up all entries in column 3 of Detail records, report final 10 positions.
6	File Total Debit Amount	Numeric	32	12	Yes	9(10)V99
7	File Total Credit Amount	Numeric	44	12	Yes	9(10)V99
8	Not used	Blanks	56	38	No	

National/ANZ Online Direct Payment Interface

The National/ANZ Online Direct Payment (NODP) Interface is used to generate a wire file in the National/ANZ Online Direct Payment format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [National/ANZ Online Direct Payment File Specifications](#).

System Preferences

The NODP Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, National/ANZ Online Direct Wire Interface** folder, as described following:

Preference	Description
Direct Entry User ID Code	The User-ID name that authorizes sending the wire file.
NODP Direct Entry User ID Name	Enter the User-ID code that authorizes sending the NODP wire file.
ANZ Lender Name	Enter Lender information for ANZ wire file.
NODP Transaction Description	Enter the account name to be included in the NODP wire file.
User Bank Code	Enter Wire User Bank Code.
Wire Number Prefix Code	Enter the Prefix Code that will appear before the check number.
Output Path	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_NODP** or **FSW_ANZ**.

National/ANZ Online Direct Payment File Specifications

The file generated is a .txt file with each record being presented in the following format:

Name	Type	Len	Description	Hard Coded / System Preference
User Bank Code	Tag	2	01	Hard-coded
NODP/ANZ User Bank Code	Alphanumeric	3	Enter the User Bank Code.	Set in System Preference > Identification/System Constants > Interface Parameters > National/ANZ Online Direct Payment > User Bank Code
ANZ Lender Name	Alphanumeric	26	Enter Lender information in system preferences. You may enter up to 80 characters with the first 26 displaying in the ANZ wire file.	Set in System Preference > Identification/System Constants > Interface Parameters > National/ANZ Online Direct Payment > Name & Address > Lender Name
NODP Direct Entry User ID Name	Alphanumeric	26	The User-ID name that authorizes sending the National Online Direct Payment wire file .	Set in System Preference > Identification/System Constants > Interface Parameters > National/ANZ Online Direct Payment > Direct Entry User ID Name
Direct Entry User ID Code	Alphanumeric	6	The User-ID code that authorizes sending the wire file.	Set in System Preference > Identification/System Constants > Interface Parameters > National/ANZ Online Direct Payment > Direct Entry User ID Code
NODP Transaction Description	Alphanumeric	12	Enter the account name to be included in the National Online Direct Payment wire file.	Set in System Preference > Identification/System Constants > Interface Parameters > National/ANZ Online Direct Payment > Transaction Description
ANZ Payment	Tag	6	PAYMENT	Hard-coded on ANZ files.
Date	Alphanumeric	6	Enter Date in DDMMYY format.	

Name	Type	Len	Description	Hard Coded / System Preference
Wire Number Prefix Code	Alphanumeric	18	Prefix code + check number is limited to 18 characters.	Set in System Preference > Identification/System Constants > Interface Parameters > National/ANZ Online Direct Payment > Wire Number Prefix Code

Sample Wire File

The below image is a sample of what to expect in each FSW_NODP or FSW_ANZ Wire File. Notice the hard-coded first character is always 0.

```

NOD19081203.TXT - Notepad
File Edit Format View Help
0 01NAB Direct Entry User ID Name 132688Trans Descr 120819
10999933007878781 500000200299Escrow 10/10 Adv 80 pref600004 7687687235235777Khesse Testing 00000000
17687687235235777 130000200299Khesse Testing 7687687235235777Khesse Testing 00000000
7999-999 000000000000002002990000200299 000002

```

RBC Express

RBC Express Interface

The RBC Express Wire Interface is used to generate a wire file (ex: IncmWr_yyyyyy_xxxxxxxxxxx.txt) in the RBC Express format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

NOTE

The RBC Express Interface is valid for sending funds from a Canadian Bank to a Canadian Bank.

Click here for the [RBC Express Wire File Specifications](#).

System Preferences

The RBC Express Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, RBC Express Wire File** folder:

Preference	Description
Credit Bank Number	Select the bank account number to populate the credit account column of the output record in the wire file. Note: Credit Bank Number is defined in the Client Group Table.
Debit Bank Number	Enter the lender debit account number that populates the Debit Account column of the output record in the wire file.
Payment Method Code	Select <ul style="list-style-type: none"> • Credit Account under Advice • Credit Account no advice • Notify and Pay • Pay on Application
Output folder	Specify the folder in which the file will be saved when it is created by the interface.

The RBC Express Interface is also configured in System Preferences, **Fields/Screen Behavior, Screens, Account Table** folder:

Preference	Description
All cost center	Set to True

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_RBC**.

RBS File Specifications

The RBS payment file is a comma-delimited text file in the following format.

Name	Description
Wire Amount	Amount of funding. 10 characters.
Debit Account	The lender debit account number. 10 characters. Set in System Preference Identification/system constants , Interface

Name	Description
	parameters, RBS Citizens Bank Wire Writer, Debit Account Number.
Bene Name	The client account name. 35 characters.
Bene Address1 - 3	Not used.
City	Not used.
State	Not used.
Zip	Not used.
Bene Phone	The client phone number. Blank.
Country	Always 'US'
Payee Bank ABA	The payee bank routing and transit number. 9 characters. Single quote marks are added at the beginning of this field to prevent the zeros from being trimmed when the .CSV file is read by the receiving FI.
Intermediary Bank ABA	The intermediary bank routing and transit number, if used. 9 characters. Single quote marks are added at the beginning of this field to prevent the zeros from being trimmed when the .CSV file is read by the receiving FI.
Payee Bank Account	The client account number. 34 characters.
Ref for Bene	Not used.
Orig to Bene1	Not used.
Orig to Bene2	Not used.
Orig to Bene3	Not used.
Orig to Bene4	Not used.
Bank to Bank1	Not used.
Bank to Bank2	Not used.
Bank to Bank3	Not used.

Name	Description
Bank to Bank4	Not used.
Value Date	The check date.

Sample Wire File

The below image is a sample of what to expect in each RBS Wire File



RBS Citizens Bank Interface

The RBS Citizens Bank Wire Interface is used to generate a wire file in the RBS Bank format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [RBS Bank Wire File Specifications](#).

System Preferences

The RBS Bank Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, RBS Citizens Bank Wire Writer** folder, as described following:

Preference	Description
Debit Account Number	Enter the lender debit account number that populates the Debit Account column of the output record in the wire file.
Output folder	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_RBS**.

RBS File Specifications

The RBS payment file is a comma-delimited text file in the following format.

Name	Description
Wire Amount	Amount of funding. 10 characters.
Debit Account	The lender debit account number. 10 characters. Set in System Preference Identification/system constants , Interface parameters, RBS Citizens Bank Wire Writer, Debit Account Number.
Bene Name	The client account name. 35 characters.
Bene Address1 - 3	Not used.
City	Not used.
State	Not used.
Zip	Not used.
Bene Phone	The client phone number. Blank.
Country	Always 'US'
Payee Bank ABA	The payee bank routing and transit number. 9 characters. Single quote marks are added at the beginning of this field to prevent the zeros from being trimmed when the .CSV file is read by the receiving FI.
Intermediary Bank ABA	The intermediary bank routing and transit number, if used. 9 characters. Single quote marks are added at the beginning of this field to prevent the zeros from being trimmed when the .CSV file is read by the receiving FI.
Payee Bank Account	The client account number. 34 characters.

Name	Description
Ref for Bene	Not used.
Orig to Bene1	Not used.
Orig to Bene2	Not used.
Orig to Bene3	Not used.
Orig to Bene4	Not used.
Bank to Bank1	Not used.
Bank to Bank2	Not used.
Bank to Bank3	Not used.
Bank to Bank4	Not used.
Value Date	The check date.

Sample Wire File

The below image is a sample of what to expect in each RBS Wire File



Scotia Bank Wire Interface

The Scotia Bank Wire Interface is used to generate a wire file in the Scotia Bank Wire format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [Scotia Bank Wire File Specifications](#).



System Preferences

The Scotia Bank Wire Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, SCTA_Wire** folder, as described following:

Preference	Description
Company Code	Company Code
CPA Wire Transaction Type	Canadian Payment Association Wire Transaction Type
CPA ACH/EFT Transaction Type	Canadian Payment Association ACH/EFT Transaction Type
Originator Short Name	Mutually agreed on short lender designation
Output Folder	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_SCTA**.

Scotia Bank Wire File Specifications

The Scotia Bank Wire file is a flat (ASCII) file with the following file specifications.

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
A Record: File Header Record					
1	Y	Record Type Const: 'A'	Indicate the record type	- Must be 'A' - File Header Record cannot be missing within a logical file - Only one Header Record is allowed within a logical file Error Code:	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
				ERR00001	
20	Y	Customer Number	Assigned by Scotiabank, Customer Agreement ID	- Must be a valid file agreement number Error Code: ERR00035	NA
30	N	Customer Name	Documented name of Customer, as per Scotiabank records	NA	NA
4	Y	FCN	File Creation Number	- File cannot have a duplicate file number within 1 year per customer per file type; Error Code: ERR00031	NA
8	N	FCD	File creation date Format - YYYYMMDD where YYYY is a 4 digit year; MM represents a 2 digit month and DD represents a 2 digit day. Example: October 2, 2012 is represented as 20121002	- Must be in valid date format Error Code: ERR00101 - File Creation date must be within 30 days in the future or 30 days in the past Error Code: ERR00104	NA
6	N	FCT	File Creation Time Format: HHMMSS where HH is the hours on the 24 hour clock; MM is the minutes; SS is the seconds	- Validate if the time is in the correct format i.e. HHMMSS Error Code: ERR00101	NA
7	N	Version Const: 'IPIR3.0'	Scotiabank File Spec Version Number	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
6	N	SC Customer ID	Scotia Connect Customer ID	NA	NA
1	N	Test (<i>Not to be used</i>)	Space filled	Must be Space Error Code: ERR00001	NA
17	N	Filler	Space filled	NA	NA
B Record: Batch Header Record					
1	Y	Record Type Const: 'B'	Indicate the record type	- Must be 'B' - Batch Header Record cannot be missing within a logical file Error Code: ERR00001	NA
2	Y	Debit Bank Identification Qualifier	Must be one of the following 01 - ABA Transit Routing Number including Check Digits 02 - Swift Identification 04 - Canadian Institution Number ZZ - Mutually Defined	Must be either - 01 - 02 - 04 or - ZZ Error Code: ERR00100	NA
11	Y	Debit Bank (DFI) Identification Number	Format of DFI number for each Debit Bank Identification Qualifier are as follows: 01 - XXXXXXXXX (9 digits) 02 - (8 or 11 characters) 04 - ziiitttt - where "z" is a zero, "iii" is the institution code, "tttt" is the transit (9 digits) ZZ - Mutually Defined Hard-coded to "04"	Debit Bank (DFI) Identification Number must be available Error Code: ERR00100	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
50	Y	Debit Bank Account	Account Number Left justified, space filled. Should not include hyphens or spaces within the actual account number	Debit Bank Account must be available Error Code: ERRO0100	NA
5	N	Filler	Space filled	NA	NA
2	N	Return Bank Identification Qualifier	If provided, then it must be one of the following 01 - ABA Transit Routing Number including Check Digits 02 - Swift Identification 04 - Canadian Institution Number ZZ - Mutually Defined Note: Left Justified Space Filled Hard-coded to "04"	If Return Bank Identification Qualifier is provided then it should be valid. Error Code: ERRO0036	NA
11	N	Return Bank (DFI) Identification Number	Scotiabank Institution Number to which charged back items would be returned Format of Return DFI number for each Return Bank Account Qualifier are as follows: 01 - XXXXXXXXX (9 digits) 02 - (8 or 11 characters) 04 - ziiitttt - where "z" is a zero, "iii" is the institution code, "tttt" is the transit (9 digits) ZZ - Mutually Defined Note: Left Justified Space Filled Grey out options are not	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			available for this release and will not be covered in this document		
50	N	Return Bank Account	Scotiabank Branch Account Number to which charged back items will be returned Left Justified, space filled Should not include hyphens or spaces within the actual account number	NA	NA
5	Y	Filler	Space filled	NA	NA
3	Y	In Currency	CAD or USD (other currencies are also available in ISO Code	In Currency must be available Error Code: ERRO0013	In Currency must be a valid ISO Currency Code Error Code: PCIn_1134
3	Y	Out Currency	CAD or USD (other currencies are also available in ISO Code If payments in this batch require FX (International EFTs/Wires); this is the currency you wish the actual payments to be made in	Out Currency must be available Error Code: ERR00014	Out Currency must be a valid Currency Code Error Code: PCIn_1135
2	Y	Country Code	Destination Country of Payment in ISO Code Ex: CA, US	Country Code must be available Error	Country Code must be a valid ISO country code

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
				Code: ERR00015	Error Code: PCIn_1110
4	Y	Payment Type	Payment methods Identifies the payment types within the current batch 04 = EFT/ACH 04A = EFT/ACH & Printed Remittance Advice 04E = EFT/ACH & Email/Fax Remittance Advice 04AE = EFT/ACH & Printed/Email/Fax: Remittance Advice 07 = EDI 07A = EDI & Printed Remittance advice 07E = EDI & Email/Fax Remittance advice 07AE = EDI & Printed/Email/Fax Remittance advice	Payment type must be provided and valid Error Code: ERR00016	NA
11	N	Service Group	Service Group ID for ScotiaConnect Note: Only applicable for Scotia Online Payment (SCO)	NA	NA
64	N	Service Group Name	Service Group Name Note: Only applicable for Scotia Online Payment (SCO)	NA	NA
1	N	ScotiaConnect Indicator	Y: send to SC, only allowed if setup so in PC N: send directly to Host/Third Party (via PC or other means), only allowed if setup so in PC Space: based on PC setup, maybe SC or not	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			Note: Only applicable for Scotia Online Payment (SCO)		
30	N	SC Template ID	Template ID	NA	NA
77	N	Filler	Space filled	NA	NA
P Record: Payment Record					
1	Y	Record Type Const: P	Indicate the record type	- Must be 'P' - Must not be blank Error Code: ERR00001	NA
1	Y	Payee Debit/Credit	Can be either D (Debit) or C (Credit)	- Must be either "D" or "C" - Must not be blank Error Code: ERR00102	NA
8	N	Payable Date	Format: YYYYMMDD where YYYY is a 4 digit; year MM represents a 2 digit month and DD represents a 2 digit day Example: October 2, 2012 is represented as 20121002	Date must be in valid format i.e. in YYYYMMDD Error Code: ERR00018	For EFT - Debit Due Date must be less than 173 days old - Debit Due Date must be less than 60 days in the future - Credit Due Date must be less than 30 days old - Credit Due Date must be less than 60 days in the future For Southbound ACH - Payment Due Date may be future dated up to 30 days or past

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
					dated up to 60 days For Northbound ACH - Payment Due Date may be future dated up to 2 days or past dated up to 60 days For Domestic ACH - Payment Due Date may be future dated up to 30 days or past dated Error Code: PCIn_1138
30	N	Payment Number	A unique reference number to identify the transaction. Must be unique for every payment. Displayed on the cheque and advice in the boxes labeled 'Payment Number' Cross Reference Number for EFT payments should also be provided as a Payment Number, however, if only Transaction Ref Number or Payment Number is provided, the one with the value will be treated as the Cross Ref for EFT This number is also used to identify transactions on the Return Item Notification Reports and Returns Items Vouchers	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
19	N	Transaction Reference Number	A secondary reference number to identify the transaction Cross Reference Number for EFT payments should also be provided as a Payment Number, however, if only Transaction Ref Number or Payment Number is provided, the one with the value will be treated as the Cross Ref for EFT	NA	NA
14	N	Reference Number	Displayed on the advice in the boxes 'Reference #'	NA	NA
35	N	Payee Name	For ACH; R record elements will be used in R record is available For EFT and EDI; Payee Name will be used first if available Name of the company/individual to whom the payment is to be made	NA	For EFT/EDI payment type, Payee Name is Mandatory in P record if it is not available in R record. Error Code: PCIn_1122
15	N	Payee Amount	Amount of the payment being made, with two implied decimal places. The payment will be rejected if missing or non-numeric e.g. \$5.00 = 000000000000500	Must be numeric value Error Code: ERRO022	Payment Amount must be present Error Code: PCIn_1139 Payee Amount should be correct amount Error Code: PCIn_1140
2	Y	Payee Bank Identification Qualifier	01 - ABA Transit Routing Number Including Check Digits (9 digits) 02 - Swift	Payee Bank Identification Qualifier cannot	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			Identification (8 or 11 characters) 04 - Canadian Institution Number (with a leading zero) and Bank Branch (Transit) (9 digits) ZZ - Mutually Defined Note: Left Justified Space Filled	be empty and must be valid Error Code: ERRO0023	
11	N	Payee Bank (DFI) Identification Number	Institution where the Payee maintains account Formats: 01 - XXXXXXXXXX (9 digits) 02 -- (8 or 11 characters) 04 - ziiitttt - where "z" is a zero, "iii" is the institution code, "tttt" is the transit (9 digits) ZZ -- Mutually Defined Note: Left Justified Space Filled	NA	NA
50	N	Payee Account	Payees bank account number Used for free form account information for Internationally destined EFTs Left Justified; space filled Should not include hyphens or spaces within the actual account number	NA	Payee Bank Account number must be present and must be valid Error Code: PCIn_1125/ PCIn_1127 For North Bound ACH, Payee Account must not exceed DPL Error Code: PCIn_1145
50	N	Payee IBAN	Payee's IBAN - Can be used in conjunction with Payee's DFI and Account	NA	NA
3	N	CPA/Payment Type	CPA code for EFT payments; Transaction	NA	If CPA/Payment Type is invalid or unavailable then

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			code for other payment types CANADA - The 3 digit CPA code to specify transaction type; e.g. 250 for dividend; 230 for pension; 200 for payroll deposit etc. Please refer to Appendix A - Standard Codes for a complete list For EDI - select from COL - Collection, Receipts CON - Consumer Third Party Consolidated Paymetn DBT - Debt Collection Payment PCS - Payment of Child Support PEN - Pension Payment PRL - Payroll Payment RYL - Royalty Payment TAX - Tax Payment VEN - Vendor Payment For IAT ACH can be also select from ANN - Annuity BUS - Business/Commercial DEP - Deposit LOA - Loan MIS - Miscellaneous MOR - Mortgage PEN - Pension RLS - Rent/Lease SAL - Salary/Payroll TAX - Tax		reject the transaction Error Code: PCIn_1141
15	N	Originator Short Name	Name of Scotia Direct customer originating the transactions. The contents of this field may appear on the bank record of the recipient for each debit or credit transaction. Printing of	NA	If Originator Short Name is invalid or unavailable then reject the transaction Error Code: PCIn_1124

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			this field is at the discretion of the recipient's financial institution		
30	N	Originator Long Name	Name of Scotia Direct customer originating the transactions. The contents of this field may appear on the bank record of the recipient for each debit or credit transaction. Printing of this field is at the discretion of the recipient's financial institution	NA	If Originator Long Name is invalid or unavailable then reject the transaction Error Code: PCIn_1124
15	N	Customer Sundry Information	Information is provided by the payment originator. This field may be printed on the bank record of the payee at the discretion of the payee's financial institution	NA	NA
1	N	File Processing	Y; N or space filled Y or space filled - File Approval via ScotiaConnect Online N - No file approval required	Must be in valid format Error Code: ERR00033	NA
1	N	Payee Saving/Chequing Indicator	RDFI Account Type S - SAVINGS; C - CHEQUING	NA	NA
3	N	Standard Entry Class Code	Only applies to ACH payments (USA to USA).	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			This field defines the type of ach entries contained in the batch (N/A in Canada) - PPD (prearranged payments and deposits) for consumer transactions destined to an individual or - CCD (cash concentration or disbursement) for corporate transactions		
10	N	Foreign Exchange Rate <i>(Not to be used)</i>	This field reserved for future use.	NA	NA
10	N	FX Contract Number <i>(Not to be used)</i>	This field is reserved for future use.	NA	NA
15	N	Filler	Space Filled	NA	NA
1	N	Priority Wire <i>(Not to be used)</i>	Not applicable for this release	NA	NA
15	N	Filler	Space Filled	NA	NA
10	N	Serial Number <i>(Not to be used)</i>	Consignment Cheque Not applicable for this release	NA	NA
2	N	City Code <i>(Not to be used)</i>	City Code - used on US Cheque	NA	NA
4	N	ABA Code <i>(Not to be used)</i>	ABA Code - used on US Cheques	NA	NA
4	N	Fed Code <i>(Not to be used)</i>	Fed Code - used on US Cheques Not applicable for this release	NA	NA
10	N	Stamp Tax ID	Unique ID assigned by	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			Country Used for ACH Payment		
15	N	Filler	Space Filled	NA	NA
10	N	Recipient ID	Recipient ID of the payment on ScotiaConnect	NA	NA
16	N	Agreement ID	Payment Agreement Number	NA	NA
30	N	Vendor Number	Vendor Number	NA	NA
4	N	Filler	Space filled or no data	NA	NA
R Record: Remittance Record					
1	Y	Record Type Const R	Indicate the record type	NA	NA
35	N	Payee Name 1	Name of the company/individual to whom the payment is to be made Used for IAT ACH	NA	For ACH payment type, Payee name is Mandatory in R reocrd. For EFT/EDI payment type, Payee Name is Mandatory in R record if it is not available in P record. Error Code: PCIn_1122
35	N	Payee Name 2	Name of the company/individual to whom the payment is to be made	NA	NA
50	N	Payee Address 1	Payee Address Line 1	NA	Mandatory for ACH payment type Error Code: PCIn_1120

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
50	N	Payee Address 2	Payee Address Line 2	NA	NA
50	N	Payee Address 3 <i>(Not to be used)</i>	Payee Address Line 3 Not applicable for this release	NA	NA
50	N	Payee Address 4 <i>(Not to be used)</i>	Payee Address Line 4 Not applicable for this release	NA	NA
50	N	Payee Address 5 <i>(Not to be used)</i>	Payee Address Line 5 Not applicable for this release	NA	NA
50	N	Payee Address 6 <i>(Not to be used)</i>	Payee Address Line 6 Not applicable for this release	NA	NA
30	N	Payee Address City	City, must use for SC payment if city is expected by SC	NA	Mandatory for ACH payment type Error Code: PCIn_1118
2	N	Payee Address Province/State	Province/State, must use for SC payments if province/state is expected by SC	NA	Mandatory for ACH payment type and also must be a valid ISO Province/State code Error Code: PCIn_1114/ PCIn_1116
9	N	Payee Address Zip/Postal Code	Postal Code / Zip, must use for SC payments if postal code is expected by SC	NA	Mandatory for ACH payment type Error Code: PCIn_1112
2	N	Payee Country Code	Country, must use for SC payments if country is expected by SC	NA	Mandatory for ACH payment type and also must be a valid

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
					ISO Country code <i>Error Code: PCIn_1108/ PCIn_1110</i>
15	N	Filler	Space Filled	NA	NA
50	N	Payee Display Account <i>(Not to be used)</i>	Representation of Account to be displayed on the Remittance Not applicable for this release	NA	NA
10	N	Display Currency <i>(Not to be used)</i>	Currency to be displayed on Cheque or Remittance: Not applicable for this release	NA	NA
5	N	Stock Selection	Remittance Template. Mandatory if you have more than 1 'look' for cheques or advices. Value must be mutually agreed upon with your Scotiabank technical contact. Blank if not used	NA	NA
8	N	SpecialHandling1*	- „MAIL" (Mail to Customer/Payee) - Blank if not used, ignore other value	NA	NA
8	N	SpecialHandling2*	EMAIL' or 'FAX', ignore other value Mandatory if the advices in current batch are to be emailed or faxed. If used, each transaction within the batch must be	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			accompanied by an „F“ Record. Blank if not used. Note: a RA can be delivered by all three types at the same time: Mail, Fax and Email; in other words, customer can provide unique values for field SpecialHandling1, SpecialHandling2 and SpecialHandling3		
15	N	Filler	Space Filled	NA	NA
8	N	SpecialHandling 3*	EMAIL, FAX., ignore other value Mandatory if the advices in current batch are to be emailed or faxed. If used, each transaction within the batch must be accompanied by an „F“ Record. If Field SpecialHandling2 is „EMAIL“, this field can be used for „FAX“, resulting in the document being both emailed and faxed. Blank if not used. Note: a RA can be delivered by all three types at the same time: Mail, Fax and Email; in other words, customer can provide unique values for field SpecialHandling1, SpecialHandling2 and	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			SpecialHandling3		
50	N	Return Address 1 <i>(Not to be used)</i>	Return Address Line 1 Not applicable for this release	NA	NA
50	N	Return Address 2 <i>(Not to be used)</i>	Return Address Line 2 Not applicable for this release	NA	NA
50	N	Return Address 3 <i>(Not to be used)</i>	Return Address Line 3 Not applicable for this release	NA	NA
50	N	Return Address 4 <i>(Not to be used)</i>	Return Address Line 4 Not applicable for this release	NA	NA
50	N	Return Address 5 <i>(Not to be used)</i>	Return Address Line 5 Not applicable for this release	NA	NA
30	N	Return Address City <i>(Not to be used)</i>	Return City Not applicable for this release	NA	NA
2	N	Return Address Province/State <i>(Not to be used)</i>	Return Province/State Not applicable for this release	NA	NA
9	N	Return Address Zip/Postal Code <i>(Not to be used)</i>	Return Postal Code/Zip Not applicable for this release	NA	NA
2	N	Return Address Country <i>(Not to be used)</i>	Return Country Not applicable for this release	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
		<i>used)</i>	release		
4	N	Filler	Space Filled		
F Record: Fax/Email Address Record					
1	Y	Record Type Const: F	Indicate the record type	If Special Handling 2 or 3 value in R record is provided then 'F' Record Type must be present Error Code: ERR00001	NA
1	Y	Comm. Type	F for Fax, E for Email	If Special Handling 2 or 3 value in the R record is provided then Comm. Type must be either Fax (F) or Email (E), else reject the file Error Code: ERR0105	NA
10	N	Type Code (<i>Not to be used</i>)	Not applicable for this release	NA	NA
200	N	Fax Number/Email Address	Fax Telephone Number or email address of Recipient		If R record Type is present then Fax Number/ Email Address must be present. Error Code: PCIn_1156/ PCIn_1157
100	N	Attention (Fax)/Subject	The person within an organization that you	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
		(Email)	wish to address the fax. Only use for Type Codes FAXNA and EMAILNA. Leave blank for all other Type Codes		
38	N	Filler	Space filled	NA	NA
S Record: Invoice Information - Remittance Stubs Record					
1	Y	Record Type Const: S	Indicate the record type	NA	NA
30	N	Invoice Number	Appears on the stub portion of the AP cheque Invoice Number	NA	NA
8	N	Invoice Date	Appears on the stub portion of the AP cheque Invoice Date - Format – YYYYMMDD where YYYY is a 4 digit year, MM represents a 2-digit month and DD represents a 3-digit day. Example: October 2, 2012 is represented as 20121002	Invoice date must be in the correct format YYYYMMDD Error Code: ERR00103	NA
15	N	Invoice Amount	Appears on the stub portion of the AP cheque Gross amount of invoice being paid	NA	NA
15	N	Discount Amount	Appears on the stub portion of the AP cheque Discount amount of invoice being paid.	NA	NA
15	N	Payment Amount	Appears on the stub portion of the AP cheque	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			Net amount of invoice being paid		
35	N	Remarks1	Appears on the stub portion of AP cheque; beneath Fields [Invoice Amount], [Discount Amount] and [Payee Amount] Free Form Message	NA	NA
35	N	Remarks2	Appears on the stub portion of AP cheque; beneath Fields [Invoice Amount], [Discount Amount] and [Payee Amount] Free Form Message	NA	NA
35	N	Remarks3	Appears on the stub portion of AP cheque; beneath Fields [Invoice Amount], [Discount Amount] and [Payee Amount] Free Form Message	NA	NA
11	N	Filler	Space filled	NA	NA
I Record: Important Notes Record					
1	Y	Record Type Const: I	Indicate the record type	NA	NA
1	N	Information Type	N: for Important Notes (2 Records Max) of Cheque Payments A: for Addendum of ACH payments (2 Records Max) T: for Narrative Texts of Cheque payments (2	NA	NA

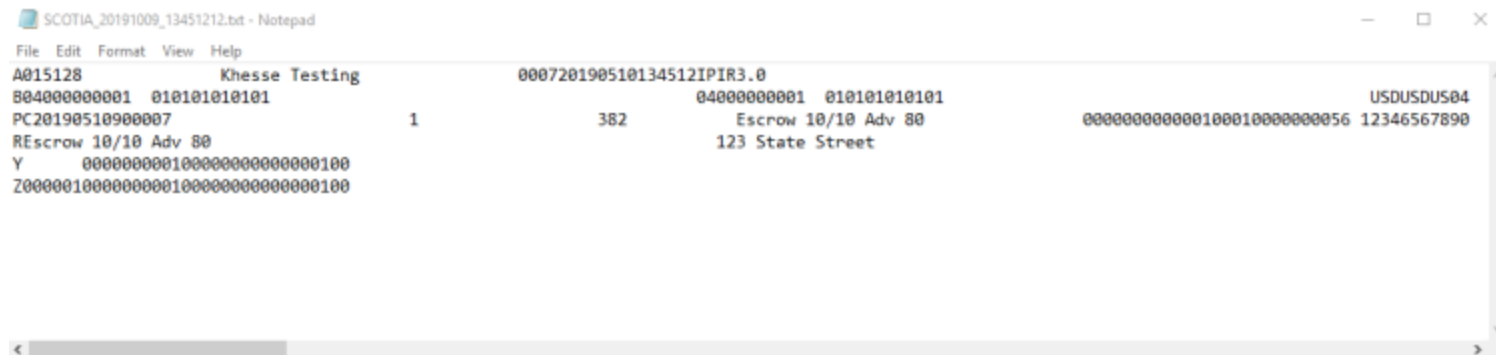
Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			Records Max)		
80	N	Addenda Information 1	You may have up to 2 Records of 'Important Notes'. These notes are printed 'as is' on the 'Important Notes' box of cheque/advice document	NA	NA
140	N	Internal Memo	If the value of internal memo is provided only in first available I record, Ignore of the second I record	NA	NA
428	N	Filler	Not mapped for this release	NA	NA
60	N	Text Message	You may have up to 2 Records of 'Important Notes'. These notes are printed 'as is' on the 'Important Notes' box of cheque/advice document	NA	NA
140	N	Internal Memo	If the value of internal memo is provided only in first available I record, Ignore of the second I record	NA	NA
448	N	Filler	Not mapped for this release	NA	NA
648	N	Important Note Text 1	You may have up to 2 Records of 'Important	NA	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
			Notes'. These notes are printed 'as is' on the 'Important Notes' box of cheque/advice document		
Y Record: Batch Totals Record					
1	Y	Record Type Const: Y	Indicate the record type	- Must be 'Y' - Batch Totals Record cannot be empty Error Code: ERR00001	NA
6	Y	Filler	Space filled	NA	NA
10	Y	Number of Payments in Batch	Number of P records in Batch	- Must be numeric and equal to the # of payments or total number of 'P' records found in the batch Error Code: ERR00006	NA
17	Y	Dollar Total of Batch	Dollar Total of Batch	- Must be numeric and equal to the # of payments or total number of 'P' records found in the batch Error Code: ERR00006	NA
66	N	Filler	Space filled	NA	NA
Z Record: File Trailer Record					
1	Y	Record Type Const: Z	Indicate the record type	- Must be 'Z' - File Trailer Record cannot be empty	NA

Len	Req	Field Name	Description	File Level Validation Rules	Transaction Level Validation Rules
				- Must be the last Record found within the logical file Error Code: ERR00001	
6	Y	Total Number of Batches	Total Number of B Records in the File	- Must be numeric and - Total Number of Batches must = total # of 'B' records found in the file Error Code: ERR00006	NA
10	Y	Total Number of Payments in File	Number of P records in File	- Must be numeric and - Total Number of Payment in File must = total number of 'P' records found in the file Error Code: ERR00008	NA
17	Y	Total Value of All Batches in File	Dollar Total of all Batches	- Must be numeric -Total value of all batches in file must = total amounts of 'P' records of all batches found in the file else reject the file Error Code: ERR00008	NA
66	N	Filler	Space filled	NA	NA

Sample Wire File

The below image is a sample of what to expect in each Scotia Bank Wire File.



```
SCOTIA_20191009_13451212.txt - Notepad
File Edit Format View Help
A015128 Khesse Testing 000720190510134512IPIR3.0
B0400000001 010101010101 0400000001 0101010101 USDUSD504
PC20190510900007 1 382 Escrow 10/10 Adv 80 00000000000100010000000056 12346567890
REscrow 10/10 Adv 80 123 State Street
Y 0000000010000000000000100
Z00000100000000010000000000000100
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SunTrust Batch Wire Interface

The SunTrust Batch Wire Interface is used to generate a wire file in the SunTrust Batch Wire format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [SunTrust Batch Wire File Specifications](#).

System Preferences

The SunTrust Batch Wire Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, SunTrust Batch Wire (FSW_STBW Writer)** folder, as described following:

Preference	Description
File Location ID	Client defined identifier specifying location of import file
File Sequence Number	Integer from 1 to 99.
Sender's Reference Number	Sender's Reference Number
Debit Account Type	Debit Account Type
Recipient ID Type	Recipient ID Type
Recipient Bank ID Type	Recipient Bank ID Type

Preference	Description
Output Folder	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_STBW**.

Bank Codes

Bank ID Type	Type Code	Length/Format
Account number	A	Max=34
CHIPS Universal Identifier	CH	6 numeric
CLABE (Clave Bancaria Estandarizada, Spanish for "Standardized Bank Cipher")	CL	18 numeric
International Bank Account Number (IBAN)	IB	Max=34
SWIFT	SA	8 or 11 alphanumeric
ABA	FW	9 numeric

SunTrust Batch Wire File Specifications

The SunTrust Batch Wire file is a delimited (,) .csv file with the following file specifications.

Pos	Field Name	R/C/O	Validations
Header Record			
1	File Type	R	Required value: Payment (case not important)
2	Record Type	R	Required value: Header (case not important)
3	Creation Date	R	Date format: mmddyyyy Must be prior or equal to current server date plus 1. Note: The import is successful even when past date is

Pos	Field Name	R/C/O	Validations
			used.
4	File Location ID	O	Maximum 12 alphanumeric characters Client-defined identifier of the client location that created the import file
5	File Sequence Number	R	An integer number from 1 to 9999; between 1 and 4 characters in length Leading zeros are permitted, for example, 1, 01, 001, and 0001 are all valid values.

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validations
International Wire Transfers				
Record Type	C	R	1	Required value: Payment
Payment Type	C	R	2	Required value: FX
Sender's Reference	O	O	3	Maximum 16 characters
Value Date	R	R	4	Date in the format: mmddyyyy Is within a maximum number of days configured in a properties file at implementation time A business day according to the configured schedule for the payment type Note: Holidays and non-processing days are taken into account when determining whether a date is valid.
Debit Account #	R	R	5	Must match an account in the database Maximum 34 characters
Debit Account Currency	R	R	6	Three-character ISO currency code
Debit Account Type	R	R	7	Valid values: DDA, ARP, CPR

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validations
Debit Account Bank ID	R	R	8	Maximum 34 characters Default value: 061000104 (SunTrust ABA/Routing number)
Debit Amount	C	C	9	Either a Debit Amount or Credit Amount must be entered, but not both. Numeric Maximum 13 characters (includes decimal)
Credit Amount (FX/USD equivalent of Debit amount in USD to be credited to Recipient)	C	C	10	Either a Debit Amount or Credit Amount must be entered, but not both Numeric Maximum 13 characters (includes decimal)
Credit Currency	R	R	11	Three-character ISO currency code
Ordering Customer ID Type		C	12	Required only if ordering customer information has to be entered and the Ordering Customer ID is entered One of the following values: <ul style="list-style-type: none"> • A (Account Number) Default • AR (Alien Registration Number) • TI (Tax Identification Number) • PP (Passport Number) • OT (Other) • IB (IBAN) • DL (Driver's License Number) • CI (Corporate ID) • CL (CLABE) • CH (CHIPS Universal ID) • CN (Customer Identification Number) • EN (Employer Number) • NI (National Identity Number)
Ordering Customer ID		C	13	Required only if ordering customer information has to be entered and Ordering Customer ID

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validations
				Orderer ID Type is entered Maximum 34 characters
Ordering Customer Name		C	14	Required only if ordering customer information is entered Alphanumeric Maximum 35 characters
Ordering Customer Address Line 1-3		C	15-17	Lines one and two are required if any ordering customer information is. Line three is optional. Alphanumeric Maximum 35 characters per line
Recipient ID Type		C	18	Required if Recipient ID is entered Valid values: A (Account Number), CH (CHIPS Universal ID), CL (CLABE), IB (IBAN) Maximum 2 characters
Recipient ID		C	19	ID associated with the Recipient ID Type entered above; required if Recipient ID Type is entered Maximum 34 characters
Recipient Name		R	20	The full name of the payment recipient Maximum 35 characters
Recipient Address Line 1-3		O	21-23	Lines one and two are required if any recipient information is entered and if the Recipient ID Type and ID have not been entered. Line three is optional. Maximum 35 characters
Recipient Bank ID Type	C	C	24	Required when recipient bank information is entered; Is one of the supported Wire Import Bank ID Type Codes Default value = SA (SWIFT)
Recipient Bank ID	C	C	25	Required when recipient bank information is entered; ID associated with the Recipient

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validations
				Bank ID Type entered above Maximum 34 characters
Recipient Bank Name	C	C	26	Required when recipient bank information is entered
Recipient Bank Address Line 1-3	O	O	27-29	Maximum 35 characters per line
Intermediary Bank ID Type	C	C	30	Required when intermediary bank information is entered; Is one of the supported Wire Import Bank ID Type Codes
Intermediary Bank ID	C	C	31	Required when intermediary bank information is entered; ID associated with the Intermediary Bank ID Type entered above Maximum 34 characters
Intermediary Bank Name	C	C	32	Required when intermediary bank information is entered
Intermediary Bank Address Line 1-3	O	O	33-35	Maximum 35 characters per line
Receiving Bank ID Type	C	C	36	Required when receiving bank information is entered; required value: SA (SWIFT)
Receiving Bank ID	C	C	37	Required when receiving bank information is entered; ID associated with Receiving Bank ID Type entered above Maximum 34 characters
Receiving Bank Name	C	C	38	Required if receiving bank information is entered
Receiving Bank Address Line 1-3	O	O	39-41	Maximum 35 characters per line

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validations
Details of Payment Line 1-4	O	O	42-45	Optional additional wire payment details
Charges	O	O	46	Valid values: Ben Our Sha
Receiver Info – Line 1-6	O	O	47-52	<p>One of the following: /CHEQUE/ /PHON/ /PHONBEN/ /ACC/ /REC/ // (Continuation Text)</p> <p>Use each code only once (except for the continuation code).</p> <p>The following example shows three codes with three continuations, for a total of six lines: /REC/1234,/PHON/8885551212,/ACC/121212, //abcde, //24232, //more info</p>
Contract	O	n/a	53	Required only when payment is more than \$50000
Contract Number	R	n/a	54	Required if Contract Rate is specified
Repetitive – Template Name	R	n/a		Required only when importing payments based on a template Alphanumeric, Max 35 characters
Repetitive – Value Date	R	n/a		Required only when importing payments based on a template. Date in the format: mmdyyyyy
Repetitive – Senders Reference	O	n/a		Maximum 16 characters
Repetitive- Debit Amount	R	n/a		Required only when importing payments based on a template. Either a Debit Amount or Credit Amount must be

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validations
				entered, but not both. Numeric Maximum 13 characters (includes decimal)
Repetitive- Credit Amount	R	n/a		Required only when importing payments based on a template. Either a Debit Amount or Credit Amount must be entered, but not both. Numeric Maximum 13 characters (includes decimal)
Repetitive- Details of Payment - Line 1-4	O	n/a		Only when importing payments based on a template Optional additional wire payment details
Repetitive-Contract Rate	O	n/a		Only when importing payments based on a template 18, decimal point, 9
Repetitive-Contract Number	R	n/a		Only when importing payments based on a template Required if rate is selected
Repetitive - Receiver Info - Line 1-6		n/a		Only when importing payments based on a template One of the following: /CHEQUE/ /PHON/ /PHONBEN/ /ACC/ /REC/ // (Continuation Text) Use each code only once (except for the continuation code). The following example shows three codes with three continuations, for a total of six lines: /REC/1234,/PHON/8885551212,/ACC/121212,- //ab cde,//24232,//more info

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
US Wire Payments (When not otherwise noted, alphanumeric fields have a maximum length of 35 characters.)				
Record Type	n/a	R	1	Required value: Payment
Payment Type	n/a	R	2	Required value: FW
Sender's Reference	O	O	3	Maximum 16 characters
Value Date	R	R	4	Date in the format: mmddyyyy Is within a maximum number of days configured in a properties file at implementation time A business day according to the configured schedule for the payment type Note: Holidays and non-processing days are taken into account when determining whether a date is valid.
Debit Account #	R	R	5	Must match an account in the database Maximum 34 characters
Debit Account Currency	R	R	6	Three-character ISO currency code
Debit Account Type	R	R	7	Valid values: DDA, ARP, CPR
Debit Account Bank ID	R	R	8	Maximum 34 characters Default value: 061000104 (SunTrust ABA/Routing number)
Debit Amount	R	R	9	Numeric Maximum 13 characters (includes decimal)
Ordering Customer ID Type	C	C	10	Required only if ordering customer information has to be entered and the Ordering Customer ID is entered
Export Guide Check and Wire Interfaces			469	© 2022 Jack Henry & Associates, Inc.® FactorSoft™ v4.7



Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
				One of the following values: <ul style="list-style-type: none"> • A (Account Number) Default • AR (Alien Registration Number) • TI (Tax Identification Number) • PP (Passport Number) • OT (Other) • IB (IBAN) • DL (Driver's License Number) • CI (Corporate ID) • CL (CLABE) • CH (CHIPS Universal ID) • CN (Customer Identification Number) • EN (Employer Number) • NI (National Identity Number)
Ordering Customer ID	C	C	11	Required only if ordering customer information has to be entered and Ordering Customer ID Type has been entered Maximum 34 characters
Ordering Customer Name	C	C	12	Required only if ordering customer information has to be entered Alphanumeric Maximum 35 characters
Ordering Customer Address Line 1-3	C	C	13-15	Lines one and two are required if any ordering customer information is entered. Alphanumeric Maximum 35 characters
Recipient ID Type	C	C	16	Required if Recipient ID is entered Is one of the supported Recipient ID Type Codes: A (Account Number), CH (CHIPS Universal ID), CL (CLABE), IB (IBAN) Maximum 2 characters
Recipient ID	C	C	17	ID associated with the Recipient ID Type entered above; required if Recipient ID Type is entered Maximum 34 characters

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
Recipient Name	R	R	18	Full name of the payment recipient. Maximum 35 characters
Recipient Address Line 1-3	O	O	19-21	Lines one and two are required if any recipient information is entered and if the Recipient ID Type and Recipient ID have not been entered. Line three is optional.
Recipient Bank ID Type	C	C	22	Required when recipient bank information is entered; Is one of the supported Wire Import Bank ID Type Codes
Recipient Bank ID	C	C	23	Required when recipient bank information is entered; ID associated with the Recipient Bank ID Type entered above Maximum 34 characters
Recipient Bank Name	C	C	24	Required when recipient bank information is entered
Recipient Bank Address Line 1-3	O	O	25-27	Maximum 35 characters per line
Details of Payment Line 1-4	O	O	28-31	Optional additional wire payment details
Intermediary Bank ID Type	C	C	32	Required when intermediary bank information is entered; Is one of the supported Wire Import Bank ID Type Codes
Intermediary Bank ID	C	C	33	Required when intermediary bank information is entered; ID associated with the Intermediary Bank ID Type entered above Maximum 34 characters Note: If a Recipient Bank ID has also been specified and is a SunTrust ABA, then do not enter intermediary bank information.
Intermediary Bank	C	C	34	Required when intermediary bank inform-

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
Name				ation is entered.
Intermediary Bank Address Line 1-3	O	O	35-37	Maximum 35 characters per line
Reference for Recipient	O	O	38	Maximum 16 characters
Bank to Bank Information Line 1-6	O	O	39-44	Optional lines of bank-to-bank information Maximum 35 characters (each line)
Receiving Bank ID Type	C	C	45	Required when receiving bank information is entered; required value: FW (ABA)
Receiving Bank ID	C	C	46	Required when receiving bank information is entered; ID associated with Receiving Bank ID Type entered above Maximum 34 characters
Receiving Bank Name	C	C	47	Required if receiving bank information is entered
Receiving Bank Address Line 1-3	O	O	48-50	Maximum 35 characters per line
Repetitive - Template Name	R	n/a		Required only when importing payments based on a template Alphanumeric Maximum 35 characters
Repetitive - Value Date	R	n/a		Required only when importing payments based on a template. Date in the format: mmddyyyy Is within a maximum number of days configured in a properties file A business day according to the configured schedule for the payment type Note: Holidays and non-processing days are taken into account when determ-

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
				ining whether a date is valid.
Repetitive- Debit Amount	R	n/a		Required only when importing payments based on a template Numeric Maximum 13 characters (includes decimal)
Repetitive-Bank to Bank Information - Line 1-6	O	n/a		Only when importing payments based on a template Optional lines of bank-to-bank information
Repetitive-Details of Payment - Line 1-4	O	n/a		Only when importing payments from template Optional additional wire payment details Maximum 13 characters (includes decimal)
Repetitive-Sender's Reference	O	n/a		Only when importing payments based on a template Maximum 16 characters
Repetitive-Reference for Recipient	O	n/a		Only when importing payments based on a template Maximum 16 characters
Repetitive-Structured Remittance Information Repetitive-Unstructured Remittance Information Repetitive - Related Remit-	C	n/a		Only one of the three repetitive remittance information fields can be selected for a single profile When the file content type is Both One-Time and Templated Payments, one regular US wire remittance information field and one repetitive remittance information field can be included in the profile. (Repetitive fields are not listed) Remittance information fields must be the last

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
tance Information				fields in the profile When payments are templated, the Enable Changes to Remittance Information check box must be selected (on the template) in order for the user to include remittance information with the import. When Enable Changes is selected and a user imports remittance information, the imported data will overwrite all the remittance information in the template. You cannot import partial remittance information.

Field #	Field	M/C/O	# of Elements	Required Elements
Structured Remittance Information				
1	Remittance Originator	M	10	Identification Type, Identification Code, Name, Identification Number or Date/Place of Birth (Elements 1,2,3 and 4 or 6)
2	Remittance Recipient	M	10	Name (Element 1)
3	Primary Remittance Document Information	M	5	Formatted as tag of RMRnnnn where the first Remittance Information included equals 0001 with the number incrementing for each additional set of Remittance Information included Document Type Code and Document Identification Number (Elements 1, 2 and 4)
4	Invoice Amount Paid	M	2	Currency and Amount
5	Original Invoice Amount	O	2	Currency and Amount

Field #	Field	M/C/O	# of Elements	Required Elements
6	Discount Amount	O	2	Currency and Amount
7	Adjustment Information	O	5	Adjustment Reason, Credit Debit Indicator, Currency Code and Amount (Elements 1,2,3,4)
8	Date of Remittance Document	O	1	CCYYMMDD
9	Secondary Remittance Document Information	O	4	Document Type Code and Document Identification Number (Elements 1 and 3)
10	Remittance Free Text	O	3	

	M/C/O	# of Elements	Required Elements
Unstructured Remittance Information			
Unstructured Remittance Information	8200	2	<p>Required elements: Addenda Length Addenda Information Elements must be delimited by asterisks.</p> <p>The valid characters differ from the other Fedwire fields.</p> <p>If a local instrument code of ANSI or S820 is chosen, any character in the X12 character set is valid If any of the other local instrument codes are chosen, the SWIFT MX ISO 20022 character set is valid</p> <p>The local instrument code is the first element in the remittance information and is supplied by the user.</p>

Field	M/C/O	# of Elements	Required Elements
Related Remittance Information			
Related Remittance Information	8250	20	Required elements: >Remittance Identification >Remittance Location Method Elements must be delimited by asterisks Normal US wire invalid character edits apply

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
Import Validations: Drawdowns (When not otherwise noted, alphanumeric fields have a maximum length of 35 characters.)				
Record Type	n/a	R	1	Required value: Payment
Payment Type	n/a	R	2	Required value: DD
Sender's Reference	O	O	3	Maximum 16 characters
Value Date	R	R	4	Date in the format: mmddyyyy Is within a maximum number of days configured in a properties file at implementation time A business day according to the configured schedule for the payment type Note: Holidays and non-processing days are taken into account when determining whether a date is valid.
Recipient Account Number	R	R	5	Maximum 34 characters
Recipient Account Currency	R	R	6	Three-character ISO currency code

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
Recipient Account Type	R	R	7	Maximum 32 characters
Recipient Account Bank ID	R	R	8	Required if a Recipient Account Type is entered Maximum 34 characters
Amount	R	R	9	Numeric Maximum 13 characters (includes decimal)
Currency	R	R	10	Three-character ISO currency code
Ordering Customer ID Type	C	C	11	Required only if ordering customer information has to be entered and the Ordering Customer ID is entered One of the following values: <ul style="list-style-type: none"> • A (Account Number) Default • AR (Alien Registration Number) • TI (Tax Identification Number) • PP (Passport Number) • OT (Other) • IB (IBAN) • DL (Driver's License Number) • CI (Corporate ID) • CL (CLABE) • CH (CHIPS Universal ID) • CN (Customer Identification Number) • EN (Employer Number) • NI (National Identity Number)
Ordering Customer ID	C	C	12	Required only if ordering customer information has to be entered and an Ordering Customer ID Type is entered Maximum 34 characters
Ordering Customer Name	C	C	13	Required only if ordering customer information has to be entered Alphanumeric Maximum 35 characters

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
Ordering Customer Address Line 1-3	C	C	14-16	Lines one and two are required if any ordering customer information is entered. Line three is optional. Alphanumeric Maximum 35 characters
Debit Account Name	R	R	17	Maximum 35 characters
Debit Account Number	R	R	18	Maximum 31 characters
Debit Account Address Line 1-3	O	O	19-21	Three lines of optional debit account address information
Debit Bank ID Type	R	R	22	Required value: FW (ABA)
Debit Bank ID	R	R	23	Numeric 9 digits
Debit Bank Name	O	O	24	Maximum 35 characters
Debit Bank Address Line 1-3	O	O	25-27	Three lines of optional debit bank address information
Reference for Recipient	O	O	28	Maximum 16 characters
Bank to Bank Information Line 1-4	O	O	29-32	Optional lines of bank-to-bank information
Repetitive - Template Name	R	n/a		Required only when importing payments based on a template Alphanumeric Maximum 35 characters
Repetitive - Value Date	R	n/a		Required only when importing payments based on a template Date in the format: mmddyyyy Is within a maximum number of days configured in a properties file A business day according to the con-

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
				figured schedule for the payment type Note: Holidays and non-processing days are taken into account when determining whether a date is valid.
Repetitive- Debit Amount	R	n/a		Required only when importing payments based on a template Numeric Maximum 13 characters (includes decimal)
Repetitive-Bank to Bank Information - Line 1-6	O	n/a		Only when importing payments based on a template Optional lines of bank-to-bank information
Repetitive-Details of Payment - Line 1-4	O	n/a		Only when importing payments from template Optional additional wire payment details Maximum 13 characters (includes decimal)
Repetitive-Sender's Reference	O	n/a		Only when importing payments based on a template Maximum 16 characters
Repetitive-Reference for Recipient	O	n/a		Only when importing payments based on a template Maximum 16 characters

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
Import Validations: US Federal Tax Payments (When not otherwise noted, alphanumeric fields have a maximum length of 35 characters.)				
Record Type	n/a	R	1	Required if file is Standard CSV Required value: Payment
Payment Type	n/a	R	2	Required if file is Standard CSV Required value: TP

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
Sender's Reference	O	O	3	Maximum 16 characters
Value Date	R	R	4	Date in the format: mmddyyyy Is within a maximum number of days configured in a properties file at implementation time A business day according to the configured schedule for the payment type Note: Holidays and non-processing days are taken into account when determining whether a date is valid.
Debit Account	R	R	5	Maximum 34 characters
Debit Account Currency	R	R	6	Three-character ISO currency code
Debit Account Type	R	R	7	Maximum 32 characters
Debit Account Bank ID	R	R	8	Maximum 34 characters
Recipient Bank ID Type	O	O	9	Required value: A (Account Number)
Recipient Bank ID	O	O	10	Required if a Recipient Bank ID Type is entered Maximum 34 characters
Recipient Bank Name	O	O	11	Maximum 34 characters
Intermediary Bank ID Type	O	O	12	Required value: FW for ABA
Intermediary Bank ID	O	O	13	Numeric 9 digits

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
Intermediary Bank Name	R	R	14	Maximum 35 characters
Taxpayer Identification Number	R	R	157	Nine numeric characters
Taxpayer Name Control	R	R	16	Four alphanumeric characters
Taxpayer Name	O	O	17	
Taxpayer Address Line 1-3	O	O	18-20	
Tax Type Code	R	R	21	Maximum 5 characters
Tax Year	R	R	22	Numeric, 2 characters
Tax Month	R	R	23	Numeric, 2 characters
Tax Amount	O	O	24	Amount between 4 and 13 characters in length, including the decimal * At least one of the amount fields, Tax Amount, Interest Amount, Penalty Amount) is required.
Interest Amount	O	O	25	Amount between 4 and 13 characters in length, including the decimal * At least one of the amount fields, Tax Amount, Interest Amount, Penalty Amount) is required.
Penalty Amount	O	O	26	Amount between 4 and 13 characters in length, including the decimal * At least one of the amount fields, Tax Amount, Interest Amount, Penalty Amount) is required.
Tax Form CT-1 - FICA Equivalent	C	C	27	Amount between 4 and 13 characters in length, including the decimal*

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
Amount				
Tax Form CT-1 - Industry Portion Amount	C	C	28	Amount between 4 and 13 characters in length, including the decimal*
Tax Form 941 - Social Security Amount	C	C	29	Amount between 4 and 13 characters in length, including the decimal*
Tax Form 941 - Medicare Amount	C	C	30	Amount between 4 and 13 characters in length, including the decimal*
Tax Form 941 - Withholdings Amount	C	C	31	Amount between 4 and 13 characters in length, including the decimal*
Tax Form 720 - Abstract Number 1	C	C	32	Maximum three characters
Tax Form 720 - Amount for Abstract Number 1	C	C	33	Amount between 4 and 13 characters in length, including the decimal*
Tax Form 720 - Abstract Number 2	C	C	34	Maximum three characters
Tax Form 720 - Amount for Abstract Number 2	C	C	35	Amount between 4 and 13 characters in length, including the decimal*
Tax Form 720 - Abstract Number 3	C	C	36	Maximum three characters
Tax Form 720 - Amount for Abstract Number 3	C	C	37	Amount between 4 and 13 characters in length, including the decimal*

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
*Note: The payment record can contain tax, interest, or penalty amounts in those fields or the amount as part of the Tax Form CT-1, 941, or 720 segments, but not both.				
Repetitive - Template Name	R	n/a		Required only when payment is template based – “Repetitive Payments” or “both Non Repetitive Payments and Repetitive Payments” is selected as the file content type Name of the active template should be entered Alphanumeric, Max 35 characters
Repetitive - Value Date	R	n/a		Required only when payment is template based – “Repetitive Payments” or “both Non Repetitive Payments and Repetitive Payments” is selected as the file content type Date format selected in the import profile Is within a maximum number of days configured in a properties file at implementation time A business day according to the configured schedule for the payment type Note: Holidays and non-processing days are taken into account when determining whether a date is valid.
Repetitive- Debit Amount	R	n/a		Required only when importing payments based on a template. Either a Debit Amount or Credit Amount must be entered, but not both. Numeric Maximum 13 characters (includes decimal)
Repetitive- Credit Amount	R	n/a		Required only when importing payments based on a template. Either a Debit Amount or Credit Amount must be entered, but not both. Numeric Maximum 13 characters (includes decimal)

Field Name	User Defined R/C/O	Standard CSV R/C/O	Standard CSV Field Position	Validation
Repetitive - Sender's Reference	O	n/a		Only when importing payments based on a template Maximum 16 characters
Repetitive - Tax Month	O	n/a		Only when importing payments based on a template Numeric, 2 characters If not specified in the import file, the template must have a valid value for Tax Month.
Repetitive - Tax Year	O	n/a		Only when importing payments based on a template Numeric, 2 characters If not specified in the import file, the template must have a valid value for Tax Year.

Pos	Field Name	R/C/O	Validations
Import Validations: Trailer Record (Standard CSV Only)			
1	File Type	R	Required value: Payment (case not important)
2	Record Type	R	Required value: Trailer (case not important)
3	Hash Total	O	<p>Required if the Check Hash Totals option is checked in the import profile, otherwise optional 15 digit numeric value including decimal</p> <p>Must equal total of all Amount fields in the file If the Check Hash Totals option is not checked in the import profile do not include this field How Hash Total is Calculated</p> <ol style="list-style-type: none"> 1. Remove all punctuation from each amount. 2. Next, take the resulting values, which are treated as integer (whole) amounts, and add together. 3. The hash total is right justified and zero filled for a total of 15 numbers. <p>Example: USD 700.00 70000 JPY 30,000. 30000 CAD 4,500.50 450050 SGD 1,000.00 100000 Total 650050</p>

Pos	Field Name	R/C/O	Validations
			Hash Total - 000000000650050
4	Record Count	O	Required if the Check Record Totals option is checked in the import profile Maximum 4 digits Must equal the total number of payment records in the file If the Check Record Totals option is checked in the import profile do not include this field.
5	File Sequence Number	R	An integer number from 1 to 9999; between 1 and 4 characters in length Leading zeros are permitted, for example, 1, 01, 001, and 0001 are all valid values.

Sample Wire File

The below image is a sample of what to expect in each SunTrust Batch Wire File.

```

STBW_20191009_13461616.csv - Notepad
File Edit Format View Help
PAYMENT,HEADER,10092019,88,0003
Payment,FW,7777777,05102019,1111111111,,ccd,22222222,1,,,,,99,980449804,Escrow 10/10 Adv 80,123 State Street ,,Birmingham AL 35203,25,793793793,, ,
PAYMENT,TRAILER,000000000001.00,1

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Transportation Alliance Bank Wire Interface

The Transportation Alliance Bank Interface is used to generate a wire file in the Transportation Alliance Bank format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution. The wire writer will only include checks created from Purchase and Reserve Release transactions and Carrier Payment checks.

NOTE

For Carrier Payment checks/wires to process successfully, the client must have a designated Default Bank Account.

Click here for the [Transportation Alliance Bank File Specifications](#).

System Preferences

The Transportation Alliance Bank Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, Transportation Alliance Bank parameters** folder, as described following:

Preference	Description
Reserve Disbursement File Name	Reserve Disbursement File Name
Reserve Disbursement Type code	Reserve Disbursement Type code
Schedule Disbursement File Name	Schedule Disbursement File Name
Schedule Disbursement Type Code	Schedule Disbursement Type Code
Carrier Payment File Required	Indicates that this file is required
Carrier Payment File Name	Carrier Payment File Name
Carrier Payment Type Code	Carrier Payment Type Code
Output Path	Specify the folder in which the file will be saved when it is created by the interface.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_TAB**.

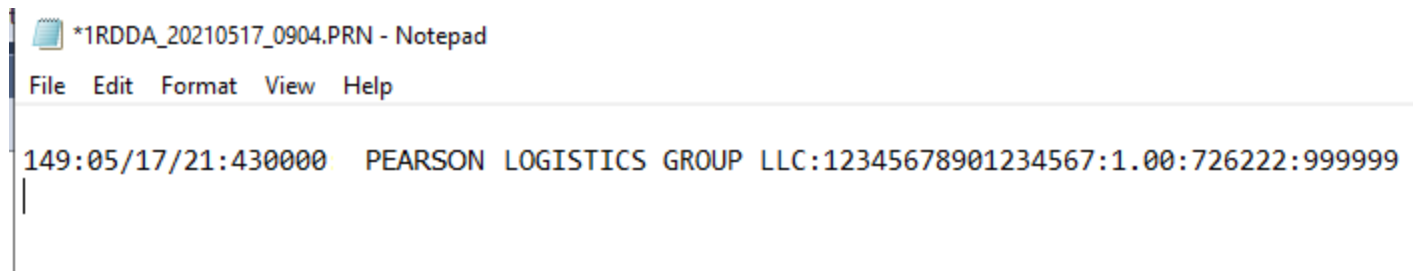
Transportation Alliance Banks File Specifications

The file generated is a .txt file with each record being presented in the following format:

Name	Type	Description	Hard Coded / System Preference
Record Type	Alphanumeric	This field contains a value set in one of the following system preferences: Reserve disbursement type code, Schedule disbursement type code, Schedule disbursement type code, or Carrier payment type code.	Set in System Preference
Delimiter	Alphanumeric	:	Hard-coded
Check Date	Alphanumeric	MM/DD/YY	
Delimiter	Alphanumeric	:	Hard-coded
Client Code	Alphanumeric	Client Code	
Delimiter	Alphanumeric	:	Hard-coded
Client Name	Alphanumeric	Client Name	
Delimiter	Alphanumeric	:	Hard-coded
Client Bank Account Number	Numeric	Bank Account Number	
Delimiter	Alphanumeric	:	Hard-coded
Check Amount	Alphanumeric	Includes 2 decimal places	
Delimiter	Alphanumeric	:	Hard-coded
Check Number	Alphanumeric	Check Number	
Delimiter	Alphanumeric	:	Hard-coded
Client Bank ABA Number	Alphanumeric	Bank ABA Number on Bank Relationship Panel on Client Information.	

Sample Wire File

The below image is a sample of what to expect in each FSW_TAB Wire File.



T24 Extract Interface

The T24 Extract Interface is used to generate a wire file in the T24 format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to the receiving institution.

Click here for the [T24 File Specifications](#).

System Preferences

The Transportation Alliance Bank Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, T24 Extract parameters** folder, as described following:

Preference	Description
Account number for factoring fee	Specify account to be used for factoring fee
Account number for insurance fee	Specify account to be used for insurance fee
Debtor group value used for collateral type	Specify value of group to be used for export
Debtor group value used for HO classification	Specify value of group to be used for export
Debtor group value used for risk rating	Specify value of group to be used for export

Preference	Description
Output Path	Specify the folder in which the file will be saved when it is created by the interface.

T24 File Specifications

The file generated is a .txt file with each record being presented in the following format:

Field Name	Description	Mandatory/Optional	Requirements	Length
CUSTOMER.ID	Main Customer who sells invoices to the bank.	Mandatory	General Format field Must be an existing customer in T24	10
INV.CUSTOMER.ID	Customer who is the buyer of Main Customer goods or services and has a payment obligation described on invoice due on maturity date	Mandatory	General Format field Must be an existing customer in T24	10
INV.NUMBER	Invoice Number	Mandatory	General Format field. Only SWIFT valid characters allowed	16
CURRENCY	Valid ISO currency code	Mandatory	Text field	3
FACT.AMOUNT	Amount to be used on discount contract. This amount is a percentage of invoice amount	Mandatory	Numeric with two decimal places	18(2)
INV.AMOUNT	Invoice amount	Mandatory	Numeric with two decimal places	18(2)
VALUE.DATE	Invoice issue date	Mandatory	Date Format field. Suggested	11

Field Name	Description	Mandatory/Optional	Requirements	Length
			format: DD- MMM-YYYY	
MATURITY.DATE	Invoice due date	Mandatory	Date Format field. Suggested format: DD- MMM-YYYY	11
DRAWDOWN.ACCOUNT	It's the checking account number where purchase funds should be deposited (Could also be an internal account of the bank)	Mandatory	Text field. It must not be numeric oth- erwise leading zeros will dis- appear Must be an existing account in T24	16
INTEREST.RATE	It is the discount per- centage to be applied in order to calculate Purchase Price.	Mandatory	Numeric field with five decimal places and not defined as rate property in Excel.	11(5)
PRIN.LIQ.ACCT	It's the T24 checking account number where invoice-payment funds should be deposited (Could also be an internal account of the bank)	Mandatory	Text field. It must not be numeric oth- erwise leading zeros will dis- appear Must be an existing account in T24	16
INT.LIQ.ACCT	It's the T24 checking account number where discounted amount is going to be charge. Generally would be the same account as the DRAWDOWN.ACCOUNT (Could also be an	Mandatory	Text field. It must not be numeric oth- erwise leading zeros will dis- appear Must be an existing account in T24	16

Field Name	Description	Mandatory/Optional	Requirements	Length
	internal account of the bank)			
RsvEscrowAmv	Reserve Escrow Amount	Mandatory	Numeric field with 2 decimal places	18
L.RISK.RATING	It is an internal classification per purchase that BSM will indicate. Generally will be the same classification per batch, but it is assigned transaction by transaction.	Mandatory	General Format field.	5
COLLATERAL.TYPE	It is an internal classification per purchase that BSM will indicate. Generally will be the same classification per batch, but it is assigned transaction by transaction.	Optional	Text field. It must not be numeric otherwise leading zeros will disappear	3
L.HO.CLASSIFICA	It is an internal classification per purchase that BSM will indicate. Generally will be the same classification per batch, but it is assigned transaction by transaction. Field must be ready to use, by now for factoring purposes is leave it in blank.	Optional	General Format field.	35
CHRG.CODE	It is an internal classification per purchase that BSM will indicate. Generally will be the	Optional	Numeric field with no decimals	3

Field Name	Description	Mandatory/Optional	Requirements	Length
	same classification per batch, but it is assigned transaction by transaction.			
CHRG.AMOUNT	It is the total of <CHRG.CODE> fee to be applied in order to calculate Purchase Price.	Optional	Numeric with two decimal places	18(2)
FactFee	if present, it will be "31" otherwise blank	Optional	Numeric	2
FactFee Amt	Fact Fee Amount	Optional	Numeric with two decimal places	18
InsFee	If present it will be "32", otherwise blank	Optional	Numeric	2
InsFeeAmt	Ins Fee Amount	Optional	Numeric with two decimal places	18

UMB Repetitive Wire Interface

The UMB Repetitive Wire Interface is used to generate a wire file to United Missouri Bank format from the FactorSoft Write Checks screen. This interface is distinct from the UMB Wire Interface in that it replaces the majority of the paying entity detail with a Repetitive Template Id, and allows the lender to submit the wires without a need to approve wire payments on the bank's website. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to United Missouri Bank.

Click here for the [UMB Repetitive Wire File Specifications](#).

System Preferences

The UMB Wire Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, United Missouri Bank wire interface parameters** folder, as described following:

Preference	Description
Output folder	Specify the folder in which the file will be saved when it is created by the interface.
Company code	UMB-provided company code.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_UMBR**.

UMB Repetitive Wire Specifications

The file is a comma-separated ASCII file. The file consists of a single header record , followed by one to many payment detail records, followed by a single trailer record per transmission.

Name	Description	Pos	Len	Example/Comments
Header Record - Exactly one per transmission; Required				
Example: "CI",20140506131935,,,,,				
Record Type	Always "CI"	1	4	"CI"
Posting Date	CCYYMMDD + HHMMSS (Time stamp used for unique batch id)	6	14	20140506131935
Not Used				
Not Used				
Not Used				
Not Used				
Not Used				
Not Used				
Detail Record -One to many per transmission				
Example: 3,"41125",,,,,00002485682.88,				

Name	Description	Pos	Len	Example/Comments
Record Type	Always "3"	1	1	3
Repetitive Template ID	Template ID in wire system to be used for this wire (no leading zeros)	3	1 to 8	"41125"
Debit Account	10-digit UMB Account Number	variable	10	9812345678 Variable starting position depending on length of repetitive template id
Not Used				
Not Used				
Not Used				
Wire Amount	Dollar amount of this wire with decimal and two decimal positions	20	14	00002485682.88
Trailer Record - Exactly one per transmission; Required				
Example: "99",0000012,00309022086.09,,,,				
Record Type	Always "99"	1	4	"99"
Item Total	Total number of detail records in this batch.	6	7	0000012
Batch Amount	Total dollar amount of all detail records in this batch.	14	14	00309022086.09
Not Used				
Not Used				
Not Used				

Name	Description	Pos	Len	Example/Comments
Not Used				
Not Used				

UMB Wire Interface

The UMB Wire Interface is used to generate a wire file in the United Missouri Bank format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to United Missouri Bank.

Click here for the [UMB File Specifications](#).

System Preferences

The UMB Wire Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, United Missouri Bank wire interface parameters** folder, as described following:

Preference	Description
Output folder	Specify the folder in which the file will be saved when it is created by the interface.
Company code	UMB-provided company code.
Output ChkHdrKey	Set to True to replace the filler in the final 25 positions of the D1 (Detail 1) record of the United Missouri Bank wire interface file with the check header key for the wire.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_UMBW**.

UMB Wire File Specifications

The file is an ASCII file with each record being 144 characters. The construct of the file is various detail records wrapped with a single header record and a single trailer record per transmission.

Notes:

- The first record in the file must be the Header Record
- The last record in the file must be the Trailer Record
- Every wire must have a D1, D2, and D5 record
- If there is an intermediary bank in the FactorSoft CliBank record, there must also be a D3 and D4 record (i.e. in addition to the D1, D2 and D5 records)
- A System Preferences is needed in the Interface Parameters section under a new heading for "United Missouri Bank Wire Interface" section

ID	Name	Type	Pos	Len	Req	Description
Header Record - Exactly 1 per file; First Record in File; Record Length = 144						
H1	Record Type	Alphanumeric	1-2	2	Yes	Identifies the record type, Constant "H" (includes a space)
H2	Batch Number	Numeric	3-9	7	Yes	Batch Number for Transmission FactorSoftgenerated next wire batch number, right justified, zero-filled.
H3	Transmission Date	Numeric	10-17	8	Yes	Current Date, zero-filled
H4	Company Code	Alphanumeric	18-25	8	Yes	Lender's unique bank ID, left-justified, space-filled. From System Preference.
H5	Filler	Spaces	26-144	119		
Detail 1 Record - 1 per wire; Record Length = 144						
D1-01	Record Type	Alphanumeric	1-2	2	Yes	D1
D1-02	Check/Wire Date	Numeric	3-10	8	Yes	CheckHdr.CheckDate. YYYYMMDD
D1-03	Wire Amount	Numeric	11-25	15	Yes	CheckHdr.CheckAmt. Must be > 0, right-justified, zero-filled.
D1-04	Destination Acct #	Alphanumeric	26-42	17	Yes	CliBank.BankAcctNo. Client Bank Account Number, right-justified,

ID	Name	Type	Pos	Len	Req	Description
						zero-filled.
D1-05	Reference Info	Alphanumeric	43-58	16	No	CheckHdr.Descr. Memo, right-justified, space-filled.
D1-06	Destination ABA	Alphanumeric	59-67	9	Yes	CliBank.AbaNo. Client bank ABA
D1-07	Bank Name	Alphanumeric	68-85	18	No	CliBank.BankName. First 18 positions of client bank name.
D1-08	Sequence Number	Numeric	86-91	6	Yes	Generated, sequential file number. Right-justified, zero-filled.
D1-09	Filler	Spaces	92-102	11		
D1-10	Originating Account Number	Alphanumeric	103-119	17	Yes	Accounts.BankAcctNo. Lender's bank account number, right-justified, zero-filled.
D1-11	Filler	Spaces	120-144	25		<p>If System Preference Identification/system constants, Interface parameters, United Missouri Bank wire interface parameters, Output CheckHdrKey is set to False, positions 120-144 are blank filler.</p> <p>If System Preference Identification/system constants, Interface parameters, United Missouri Bank wire interface parameters, Output CheckHdrKey is set to True, the check header key for the wire is included in the D1 record, right-justified and zero filled in positions 120-144 of the record.</p>
Detail 2 Record - 1 required for each D1 record; Record Length = 144						
D2-01	Record Type	Alphanumeric	1-2	2	Yes	D2
D2-02	Originator	Alphanumeric	3-63	61	Yes	Control.FactorName. Identifies the

ID	Name	Type	Pos	Len	Req	Description
						Lender, left-justified, space-filled.
D2-03	Originating Bank	Alphanumeric	64-124	61	No	Spaces
D2-04	Filler	Spaces	125-144	20		
Detail 3 Record - Required only when there is an Intermediary bank in the CliBank record; Record Length = 144						
D3-01	Record Type	Alphanumeric	1-2	2	Yes	D3
D3-02	Intermediary Bank ABA	Alphanumeric	3-12	9	Yes	CliBank.InterBankAbaNo.
D3-03	Intermediary Bank Name	Alphanumeric	13-42	30	No	CliBank.InterBankName. Left-justified, space-filled.
D3-04	Filler	Spaces	42-144	103		
Detail 4 Record - 1 required per D3 record ONLY; Record Length = 144						
D4-01	Record Type	Alphanumeric	1-2	2	Yes	D4
D4-02	Destination Bank Name	Alphanumeric	3-32	30	No	CliBank.BankName. Beneficiary Bank Name.
D4-03	Destination Bank Address	Alphanumeric	33-67	35	No	CliBank.Addr1. Beneficiary Bank Address.
D4-04	Destination Bank City	Alphanumeric	68-97	30	No	CliBank.City. Beneficiary Bank City.
D4-05	Destination Bank State	Alphanumeric	98-100	3	No	CliBank.State. Beneficiary Bank State.
D4-06	Destination Bank Zip	Alphanumeric	101-111	11	No	CliBank.ZipCode. Beneficiary Bank ZIP/Postal Code.
D4-07	Filler	Spaces	112-144	33		
Detail 5 Record - 1 required per D1 record; Record Length = 144						

ID	Name	Type	Pos	Len	Req	Description
D5-01	Record Type	Alphanumeric	1-2	2	Yes	D5
D5-02	Beneficiary Name	Alphanumeric	3-37	35	Yes	CheckHdr.Payee. Client name, left-justified, space-filled.
D5-03	Beneficiary Addr1	Alphanumeric	38-72	35	No	CheckHdr.Addr1. Client address, left-justified, space-filled.
D5-04	Beneficiary Addr2	Alphanumeric	73-107	35	No	CheckHdr.Addr2. Client address, left-justified, space-filled.
D5-05	Beneficiary Addr3	Alphanumeric	108-142	35	No	CheckHdr.City, CheckHdr.St, CheckHdr.ZipCode. Client City, State, ZIP/Postal Code
D5-06	Filler	Spaces	143-144	2		
Detail 6 Record - Optionl UNLESS there are Interbank Special Instructions - then required; Record Length = 144						
D6-01	Record Type	Alphanumeric	1-2	2	Yes	D6
D6-02	Special Instructions	Alphanumeric	3-132	130	Yes	CliBank.InterBankSpecInst. Left-justified, space-filled,
D6-03	Filler	Spaces	133-144	12		
Trailer Record - Exactly 1 per file; Last Record in File; Record Length = 144						
T1	Record Type	Alphanumeric	1-2	2	Yes	T
T2	Batch Number	Numeric	3-9	7	Yes	Batch Number for Transmission. FactorSoftgenerated next wire batch no. Same as H2.
T3	Transmission Date	Numeric	10-17	8	Yes	Current Date, zero-filled. Same as H3.
T4	Company Code	Alphanumeric	18-25	8	Yes	Lender's unique bank ID, left-justified, space-filled. From System Preference. Same as H4.
T5	Filler	Spaces	26-93	68		

System Preferences

The Wells Fargo Wire Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, Wells Fargo Credit Export** folder, as described following:

Preference	Description
Century Code	This code is used for the Wells Fargo Invoice export file.

Wells Fargo Credit Export Specifications

The file is an .xml file in the following format.

Name	Type/Parent Element	Type	Len	Description
File	Root tag			
. PmtRecCount	Attribute of File	N	8	Total number of payment instructions in the file.
. PmtRecTotal	Attribute of File	N	15	Total amount of payment instructions in this file. This amount matches the sum of CurAmt element in the PmtRec node. An explicit decimal with two trailing decimal places is required.
. FileInfoGrp	Element of File			
. FileDate	Attribute of FileInfoGrp	DT	8	Date the file was created in format YYYYMMDD. Note All other dates are in format YYYY-MM-DD.
. FileTime	Attribute of FileInfoGrp	TM	6	Time the file was created in format HHMMSS.
. FileControlNumber	Attribute of FileInfoGrp	AN	15	Control number assigned by the originator to uniquely identify the payment file.
. PmtRec	Element of File			

Name		Type/Parent Element	Type	Len	Description
.	PmtCrDr	Attribute of PmtRec	ID	1	<p>Specifies whether the transaction is a debit or credit transfer.</p> <p>D – Debit transfer. The receiving party is the payer and the originating party is the payee or beneficiary.</p> <p>C – Credit transfer. The receiving party is the beneficiary or payee and the originating party is the payer.</p>
.	PmtFormat	Attribute of PmtRec	ID	4	<p>ACH format code:</p> <p>CCD – Cash Concentration and Disbursement</p> <p>CCP – Cash Concentration and Disbursement Plus</p> <p>CTX – Corporate Trade Exchange</p> <p>PPD – Pre-Authorized Payment or Disbursement</p> <p>PPP – Pre-Authorized Payment or Disbursement</p> <p>Plus For CEO wires, include one of the following wire type codes:</p> <p>BOOK – Book transfer</p> <p>DOM – Standard domestic credit wire</p> <p>For MTI requests for transfer, include one of the following transfer type codes:</p> <p>CHQB – Pay beneficiary by issuance of a check</p> <p>CMSW – Sweep the account of the ordering cus-</p>

Name	Type/Parent Element	Type	Len	Description	
				<p>tomor</p> <p>CMTO – Top the account of the ordering customer above a pre-agreed floor</p> <p>CMZB – Zero balance the account of the ordering customer</p> <p>CORT – Payment made in settlement of a trade (e.g. FX Deal)</p> <p>INTC – Payment between two companies in the same group</p> <p>NETS – Payment should be settled via a Net Settlement System</p> <p>PHON – Contact beneficiary by phone</p> <p>REPA – Payment has a related e-Payments reference</p> <p>RTGS – Settlement should be settled via a real-time gross settlement system</p> <p>URGP – Time sensitive payment that should be executed in an expeditious manner</p> <p>OTHR – Used for bilaterally agreed codes/information</p>	
.	PmtFormatIntl	Attribute of PmtRec	ID	3	Indicates the business function or type of entry. For payments to Spain, valid transaction types are DEP and SAL . SAL must be used for payroll deposits. For all payments to Mexico, Europe
Export Guide Check and Wire Interfaces		503		© 2022 Jack Henry & Associates, Inc. ® FactorSoft™ v4.7	



Name		Type/Parent Element	Type	Len	Description
					<p>(except Spain), Australia, and New Zealand, enter the transaction type as DEP .</p> <p>This data segment is a critical indicator for Canadian transactions that tells the receiver's bank that accounts receiving certain types of electronic entries are exempt from fees. The following type codes are used for Canadian credit transactions:</p> <p>ANN Annuity PEN Pension payment DEP Deposit payment SAL Salary payment</p> <p>The following type codes are used for Canadian debit transactions:</p> <p>INS Insurance payment PAD Pre-authorized corporate debit</p>
.	DeliveryMethod	Attribute of PmtRec	ID	3	<p>Check delivery instruction code.</p> <p>000 – Standard mail X – Return to customer overnight 001 – Federal Express overnight to payee 002 – Federal Express 2nd day to payee 003 – Airborne overnight to payee 004 – Airborne 2nd day to payee</p>

Name		Type/Parent Element	Type	Len	Description
					005 – UPS overnight to payee 006 – UPS 2nd day to payee 007 – Certified mail to payee 008 – Registered mail to payee 009 – Sky Mail (foreign mail carrier)
.	TranHandlingCode	Attribute of PmtRec	ID	1	Identifies how the remittance will be delivered. C – Deliver payment and remittance together (no enhanced remittance) D – Payment only (no enhanced remittance) U – Split payment and remittance (triggers sending of enhanced remittances)
.	PmtID	Element of PmtRec	AN	15	Unique transaction control number assigned by the sender. This transaction number may be used to identify a transaction to the sender and Wells Fargo, but it is not guaranteed to be preserved in the transaction.
.	CurAmt	Element of PmtRec	N	18*	Amount of the payment in the currency of the CurCode. This amount cannot be negative. An explicit decimal with two decimal places is required. (Zero dollar amounts are valid for

Name		Type/Parent Element	Type	Len	Description
					ACH prenotes and non-negotiable/advice only checks.) The maximum length for this field varies by payment type. CHK – 18 DAC – 11 IAC – 11 MTS – 13 IWI – 18 MTI – 15 CEO – 17 CET – 17
.	CurCode	Element of PmtRec	AN	3	Three-character code indicating the currency of the payment amount in CurAmt, such as USD for US Dollars. For CHK transactions, if Canadian checks are being sent, then currency code is required.
.	ValueDate	Element of PmtRec	AN	10	Date of the transaction in format YYYY-MM-DD. This is the value date for wires and the effective date for ACH transfers. For checks this is the date printed on the check. For future-dated transactions, this field identifies the date when the payment is to be executed. The allowable period for future dating varies by payment type. The

Name		Type/Parent Element	Type	Len	Description
					<p>future date must be within the specified number of calendar days of the file date.</p> <p>CHK – Future dating not available.</p> <p>DAC – 90</p> <p>IAC – 90</p> <p>MTS – 60</p> <p>IWI – 45</p> <p>MTI – Date must be the business day following the file date or later. Future dating can be addressed during implementation as this may be limited by the receiving bank.</p> <p>CEO – 60</p> <p>CET – 60</p>
.	IDInfo	Element of PmtRec			Used for identification codes.
.	IDType	Attribute of IDInfo	AN	15	<p>Type of identification code listed in ID.</p> <p>TemplateID – Mandatory for CET import wires</p> <p>BatchID – Mandatory for CEO and CET import wires</p> <p>CustomerID – Mandatory for CEO and CET import wires</p> <p>OperatorID – Optional for CEO and CET import wires</p>
.	ID	Element of IDInfo	AN	15	Identification code associated with the ID Type above.
.	RefInfo	Element of PmtRec			Foreign exchange contract number for currency con-

Name		Type/Parent Element	Type	Len	Description
					version. When used, both RefType and RefId are mandatory. See Foreign Exchange on page 7 for more information about FX contract numbers. Sometimes also used for reference information for DAC and CHK transactions.
.	RefType	Attribute of RefInfo	AN	2	If RefID is a foreign exchange contract number, RefType must be FX . Other codes are available for DAC and CHK.
.	RefID	Element of RefInfo	AN	6	Contains either the foreign exchange contract number for currency conversion or some other reference number for DAC and CHK.
.	Message	Element of PmtRec			If Message is used, both MsgText and MsgType are mandatory.
.	MsgType	Attribute of Message	AN	3	Indicates the type of text message. OBI – Originator to Beneficiary Information BBI – Bank to Bank Information CHK – Check memo field ACH – Remittance Information OTH – Other
.	MsgText	Element of Message	AN	210	Can be used to send instructions to the receiving party regarding the payment. For

Name		Type/Parent Element	Type	Len	Description
					wires, this is the OBI (Originator to Beneficiary Information) field. For checks, this is the check memo field. The maximum length for this field varies by payment type. 140 – Domestic MTS (receiving bank located in the US), MTI, CEO, CET 105 – International MTS (receiving bank outside of the US), IWI 70 – DAC 80 – IAC 30 – CHK
.	Check	Element of PmtRec			Contains specific check printing elements.
.	ChkNum	Element of Check	AN	15	Check number to be printed on the check.
.	ChkDocNum	Element of Check	AN	15	Check face template ID. Identifies which check face to use for this transaction. If using only one check face, the default is to populate this field with the funding account number.
.	ChkCtrlNum	Element of Check	AN	15	Optional additional check document control number.
.	OrgnrParty	Element of PmtRec			
.	Name	Element of OrgnrParty			
.	Name1	Element of Name	AN	60*	Your company's name. For IAC transactions, maximum length is 16. For DAC trans-

Name		Type/Parent Element	Type	Len	Description
					actions using SEC codes CCD and PPD, max length is 16.
.	Name2	Element of Name	AN	60*	Second line for originating party name. For IAC transactions and DAC transactions using SEC codes CCD and PPD, do not use this field.
.	RefInfo	Element of OrgnrParty			Number or code identifying your company. Generally a customer/vendor ID assigned by the receiving party.
.	RedType	Attribute of RefInfo	AN	3	Identifies the type of ID in RefID. PRT – Partner number VEN – Vendor number Other codes are available.
.	RefID	Element of RefInfo	AN	30	Number or code identifying your company. Generally a customer/vendor ID assigned to you by the receiving party.
.	PostAddr	Element of OrngrParty			
.	Addr1	Element of PostAddr	AN	55*	Your company's street address. For MTS, IW, and CEO transactions, max length is 35.
.	Addr2	Element of PostAddr	AN	55*	Your company's street address, line 2. For MTS, IW, and CEO transactions, max length is 35. Only used when address Line 1 is populated.

Name		Type/Parent Element	Type	Len	Description
.	City	Element of PostAddr	AN	30*	City for your company's address. For MTS, IWI, and CEO transactions, max length is 25.
.	StateProv	Element of PostAddr	AN	3	Two-letter state code or three-letter province code for your company's address. (Not required for addresses in countries that do not use province codes.)
.	PostalCode	Element of PostAddr	AN	9	Postal code for your company's address. Format for U.S. postal codes is either 999999999 or 99999. Do not include a hyphen or any other special characters in the postal code.
.	Country	Element of PostAddr	AN	2	Two-character country code for your company's address.
.	CountryName	Element of PostAddr	AN	30	Country for your company's address.
.	ContactInfo	Element of OrngrParty			Contact at your company. If ContactInfo is used, then at least one of the elements or attributes of ContactInfo must be populated.
.	Name	Attribute of ContactInfo	AN	35	Name of contact.
.	PhoneNum	Element of ContactInfo			Contact's phone number information
.	PhoneType	Attribute of PhoneNum	AN	3	Indicates type of phone number. FX – Fax number TE – Telephone number

Name		Type/Parent Element	Type	Len	Description
.	Phone	Attribute of PhoneNum	AN	50	Contact's phone number.
.	EmailAddr	Element of ContactInfo	AN	60	Contact's email address
.	URL	Element of ContactInfo	AN	60	Contact's web site URL. Used to provide web site info – not for contact e-mail address.
.	OrgnrDepAcctID	Element of PmtRec			
.	DepAcctID	Element of OrgnrDepAcctID			
.	AcctID	Attribute of DepAcctID	AN	34	Account number of your company's account used to originate the transaction (usually a Wells Fargo account). For CHK transactions, enter the account number to be printed on the MICR line of the check, which may be different from the funding Wells Fargo account number.
.	AcctType	Attribute of DepAcctID	AN	1	Identifies the type of account in AcctID. D – Demand Deposit Account (checking account) G – General ledger account Note Multi-currency accounts use the code D .
.	AcctCur	Attribute of DepAcctID	AN	3	Three-character code indicating the currency of the originating account, such as USD for US Dollars.

Name		Type/Parent Element	Type	Len	Description
.	BankInfo	Element of DepAcctID			
.	BankIDType	Attribute of BankInfo	AN	3	Identifies the type of bank ID. If the originating account is a DDA or general ledger account, then this field should be ABA . If the originating account is a multi-currency account, then this field should be SWT (SWIFT BIC code). For CAD CHK payments, enter ABA in this field. Bank ID Type is used in conjunction with BankID (see below). If one is used, then the other is mandatory.
.	Name	Attribute of BankInfo	AN	60*	WELLS FARGO for all payment types except MTI payments and CHK payments denominated in Canadian Dollars. For MTI payments, include the name of the bank that is being requested to initiate the payment. For CHK payments denominated in Canadian Dollars, enter the name of the bank on which your CAD checks are drawn. For MTS, IWI, and CEO transactions, max length is 35.
.	BankID	Element of BankInfo	AN	11	Nine-digit ABA routing/transit number or 8-11 character SWIFT BIC code used to identify the ori-

Name		Type/Parent Element	Type	Len	Description
					<p>ginating account (see description of BankIDType). This will almost always be a Wells Fargo routing/transit number, such as 121000248 or 091000019.</p> <p>For checks, this field must be the value to be printed on the MICR line of the check or draft, which may not be a Wells Fargo routing/transit number.</p> <p>When debiting a Wells Fargo multi-currency account for international ACH or wire transfers, the Wells Fargo SWIFT bank code WFBIUS6S may be used.</p>
.	RefInfo	Element of BankInfo			Identifies your company's ACH company ID.
.	RefType	Attribute of RefInfo	AN	3	Always ACH .
.	RedID	Element of RefInfo	AN	10	ACH company/batch ID assigned by Wells Fargo to identify your company on the ACH network. This ID is always 10 characters in length.
.	PostAddr	Element of BankInfo			
.	Addr1	Element of PostAddr	AN	55*	<p>Originating bank's street address. For Wells Fargo accounts, use the address associated with the originating account.</p> <p>For MTS, IWI, MT1, and CEO transactions, max length is</p>

Name		Type/Parent Element	Type	Len	Description
					35.
.	Addr2	Element of PostAddr	AN	55*	Originating bank's street address, line 2. Can only be used if Addr1 is used. For MTS, IWI, MTI, and CEO transactions, max length is 35.
.	City	Element of PostAddr	AN	30*	Originating Bank's city. For MTS, IWI, MTI and CEO transactions, max length is 25.
.	StateProv	Element of PostAddr	AN	3	Originating bank's two-letter state or three-letter province code.
.	PostalCode	Element of PostAddr	AN	9	Originating bank's postal code. Format for U.S. postal codes is either 9999999999 or 99999. Do not include a hyphen or any other special characters in the postal code. (Not required for addresses in countries that do not use province codes)
.	Country	Element of PostAddr	AN	2	Two-character country code for the originating bank's address. For MTI payments, enter the country code for the originating bank country.
.	RcvrParty	Element of PmtRec			
.	Name	Element of RcvrParty			
.	Name1	Element of Name	AN	60*	Receiving party's name.

Name		Type/Parent Element	Type	Len	Description
					For MTS, IWI, and CEO transactions, max length is 35.
.	Name2	Element of Name	AN	60*	Second line for receiving party's name. For MTS, IWI, and CEO transactions, max length is 35.
.	RefInfo	Element of RcvrParty			Used to carry a reference number that identifies the Receiver Party (such as a vendor number or employee number). Used for Payment Manager Plus to carry a mandatory ID number used in delivering remittance statements.
.	RefType	Attribute of RefInfo	AN	3	Receiving party ID type. PRT – Partner Number VEN – Vendor Number VN – Payment Manager Plus Qualifier Other codes available.
.	RefID	Element of RefInfo	AN	30	Number or code identifying the receiving party. Generally a customer/vendor ID assigned by your company.
.	PostAddr	Element of RcvrParty			
.	Addr1	Element of PostAddr	AN	55*	Receiving party's street address. For MTS, IWI, MTI, and CEO transactions, max length is 35.
.	Addr2	Element of PostAddr	AN	55*	Receiving party's street address, line 2. Used only together with Address line 1.

Name		Type/Parent Element	Type	Len	Description
					For MTS, IWI, MTI, and CEO transactions, max length is 35.
.	City	Element of PostAddr	AN	30*	City for the receiving party's address. For MTS, IWI, MTI, and CEO transactions, max length is 25.
.	StateProv	Element of PostAddr	AN	3	Two-letter state or three-letter province code for the receiving party's address. (Not required for checks to countries that do not use province codes)
.	PostalCode	Element of PostAddr	AN	9	Postal code for the receiving party's address. Format for U.S. postal codes is either 999999999 or 99999. Do not include a hyphen or any other special characters in the postal code.
.	Country	Element of PostAddr	AN	2	Two-character country code for the receiving party's address. For CHK transactions to foreign addresses, either the country code (this element) or the country name (next element) must be supplied.
.	CountryName	Element of PostAddr	AN	30	Country for the receiving party's address. For CHK transactions to foreign addresses, either the country name (this element) the country code (previous element) must be

Name		Type/Parent Element	Type	Len	Description
					supplied.
.	ContactInfo	Element of RcvrParty			
.	Name	Attribute of ContactInfo	AN	35	Name of contact at the receiving party.
.	PhoneNumber	Element of ContactInfo			
.	PhoneType	Attribute of PhoneNum	AN	3	Indicates type of phone number. FX – Fax number TE – Telephone number
.	Phone	Attribute of PhoneNum	AN	50	Contact's phone number.
.	EmailAddr	Element of ContactInfo	AN	60	Contact's email address
.	URL	Element of ContactInfo	AN	60	Contact's web site URL. Used to provide web site info – not for contact e-mail address.
.	RcvrDepAcctID	Element of PmtRec			
.	DepAcctID	Element of RcvrDepAcctID			
.	AcctID	Attribute of DepAcctID	AN	35*	Identifies the account number of the receiving party. For MTS and CEO transactions, max length is 34 characters. For IWI transactions, max length is 35 characters. For CHK and DAC transactions, max length is 17 characters. For IAC transactions, max length is 18 characters.
.	AcctType	Attribute of DepAcctID	AN	1	Identifies the receiving

Name		Type/Parent Element	Type	Len	Description
					party's account type. D Demand Deposit Account (checking account) G General ledger account S Savings account
.	AcctCur	Attribute of DepAcctID	AN	3	Three-character code indicating the currency of the receiving party's account, such as USD for US Dollars.
.	BankInfo	Element of DepAcctID			
.	BankIDType	Attribute of BankInfo	AN	3	Identifies the type of bank ID used to identify the receiving party account. For domestic MTS, CEO, DAC, and CHK transactions, this field should be ABA . For foreign MTS and IWI transactions, this field should be SWT (SWIFT BIC code).
.	Name	Attribute of BankInfo	AN	35	Receiving bank's name.
.	BranchID	Attribute of BankInfo	AN	23	Used for international payments to indicate the international routing code (IRC) for the receiving bank.
.	BankID	Element of BankInfo	AN	11	If BankIDType is ABA , enter the nine-digit ABA routing/transit number. If BankIDType is SWT , enter the 8-11 character SWIFT BIC code.

Name		Type/Parent Element	Type	Len	Description
.	PostAddr	Element of BankInfo			
.	Addr1	Element of PostAddr	AN	55*	Receiving bank's street address. For MTS, IWI, MTI, and CEO transactions, max length is 35.
.	City	Element of PostAddr	AN	30*	City for the receiving bank's address. City is mandatory for international ACH and strongly recommended/required for all other international funds transfers. For MTS, IWI, MTI, and CEO transactions, max length is 25.
.	StateProv	Element of PostAddr	AN	3	Two-letter state or three-letter province code for the receiving bank's address.
.	PostalCode	Element of PostAddr	AN	9	Postal code for the receiving bank's address. Format for U.S. postal codes is either 999999999 or 99999. Do not include a hyphen or any other special characters in the postal code.
.	Country	Element of PostAddr	AN	2	Two-character country code for the receiving bank's address. Country is mandatory for international ACH and strongly recommended/required for all other international funds transfers.

Name		Type/Parent Element	Type	Len	Description
.	IntermediaryDepAcctID	Element of PmtRec			Sometimes a wire cannot be routed directly to the receiver's financial institution. If the receiver's account is at a credit union or savings and loan, for example, wires to that account need to use an intermediary bank to process the wire. International payments may also be routed through an intermediary bank. If the receiving bank is in the U.S. and you have information for an intermediary bank, you can supply it in the intermediary bank fields for the wire. If you do not have the intermediary bank information, leave the intermediary bank fields blank, and Wells Fargo will supply the needed information. For international wires, Wells Fargo routes your wire through the most efficient channel possible. Intermediary bank routing information is not required and, in some cases, can extend the time it takes for your receiver to receive credit.
.	DepAcctID	Element of IntermediaryDepAcctID			
.	BankInfo	Element of IntermediaryDepAcctID			

Name		Type/Parent Element	Type	Len	Description
.	BankIDType	Attribute of BankInfo	AN	3	Identifies the type of ID used to identify the intermediary bank. Can be either ABA or SWT (SWIFT BIC code). Required if intermediary bank information is provided.
.	Name	Attribute of BankInfo	AN	35	Intermediary bank name.
.	BankID	Element of BankInfo	AN	11	Identifies the type of bank ID used in BankIDType. Can be either ABA or SWT (SWIFT BIC code). Required if intermediary bank information is provided.
.	PostAddr	Element of BankInfo			
.	Addr1	Element of PostAddr	AN	35	Intermediary bank street address.
.	City	Element of PostAddr	AN	25	Intermediary bank's city.
.	StateProv	Element of PostAddr	AN	3	Two-letter state or three-letter province code for the intermediary bank's address.
.	PostalCode	Element of PostAddr	AN	9	Postal code for the intermediary bank's address. Format for U.S. postal codes is either 999999999 or 99999. Do not include a hyphen or any other special characters in the postal code.
.	Country	Element of PostAddr	AN	2	Two-character country code for the intermediary bank's address. This field is required if intermediary

Name		Type/Parent Element	Type	Len	Description
					bank is located outside the U.S.
.	VendorParty	Element of PmtRec			If VendorParty is used, RefInfo, RefType, and RefID are mandatory.
.	Name	Element of VendorParty			
.	Name1	Element of Name	AN	35	Ordering party's name.
.	Name2	Element of Name	AN	35	Second line for ordering party's name.
.	RefInfo	Element of VendorParty			Used to carry a reference number that identifies the ordering party (such as a vendor number or employee number). If VendorParty is used, RefInfo, RefType, and RefID are mandatory.
.	RefType	Attribute of RefInfo	AN	3	Ordering party ID type. PRT – Partner Number VEN – Vendor Number VN – Payment Manager Plus Qualifier
.	RefID	Element of RefInfo	AN	30	Number or code identifying the ordering party. Generally a customer/vendor ID assigned by your company. Note If this payment is also a PMP transaction, this field is mandatory.
.	PostAddr	Element of VendorParty			
.	Addr1	Element of PostAddr	AN	35	Ordering party's street address.

Name		Type/Parent Element	Type	Len	Description
.	Addr2	Element of PostAddr	AN	35	Ordering party's street address, line 2. Used only together with Address line 1.
.	City	Element of PostAddr	AN	25	City for the ordering party's address.
.	StateProv	Element of PostAddr	AN	3	Two-letter state or three-letter province code for the ordering party's address.
.	PostalCode	Element of PostAddr	AN	9	Postal code for the ordering party's address. Format for U.S. postal codes is either 999999999 or 99999. Do not include a hyphen or any other special characters in the postal code.
.	Country	Element of PostAddr	AN	2	Two-character country code for the ordering party's address.
.	CountryName	Element of PostAddr	AN	30	Country for the ordering party's address.
.	ContactInfo	Element of VendorParty			
.	Name	Attribute of ContactInfo	AN	35	Name of contact at the ordering party.
.	PhoneNum	Element of ContactInfo			
.	PhoneType	Attribute of PhoneNum	AN	3	Indicates type of phone number. FX – Fax number TE – Telephone number
.	Phone	Attribute of PhoneNum	AN	50	Contact's phone number.
.	EmailAddr	Element of ContactInfo	AN	60	Contact's email address
.	URL	Element of ContactInfo	AN	60	Contact's web site URL. Used to provide web site info –

Name		Type/Parent Element	Type	Len	Description
					not for contact e-mail address.
.	PmtDetail	Element of PmtRec			
.	InvoiceInfo	Element of PmtDetail			If PmtDetail is used, then InvoiceInfo must be present.
.	InvoiceType	Attribute of InvoiceInfo	AN	3	Indicates type of invoice. Default is IV . Required together with InvoiceNum. IV – Invoice number CM – Credit memo
.	InvoiceNum	Attribute of InvoiceInfo	AN	15	Number of the invoice paid. Required together with InvoiceType.
.	PmtActionCode	Attribute of InvoiceInfo	AN	3	Corresponds to RMR03 of the ANSI 820. For DAC transactions, used for CTX transactions only.
.	EffDt	Attribute of InvoiceInfo	AN	10	Date of the invoice paid in format YYYY-MM-DD.
.	NetCurAmt	Attribute of InvoiceInfo	AN	15	Amount paid against the invoice. Must include a decimal with two decimal places. For negative values, use a leading minus sign.
.	TotalCurAmt	Attribute of InvoiceInfo	AN	15	Gross amount of the invoice. Must include a decimal with two decimal places. For negative values, use a leading minus sign.
.	DiscountCurAmt	Attribute of InvoiceInfo	AN	15	Amount of discount taken off the invoice. Must include a decimal with two decimal

Name	Type/Parent Element	Type	Len	Description	
				places. For negative values, use a leading minus sign.	
.	RefInfo	Element of InvoiceInfo		Used for additional document or reference numbers associated with the invoice.	
.	RefType	Attribute of RefInfo	AN	3	This attribute corresponds to the 820 REF01 element and uses all available codes in the ANSI X12 version 4010 standard code list for document or reference number type.
.	RefID	Element of RefInfo	AN	30	Document or reference number corresponding to the REF02.
.	Note	Element of InvoiceInfo			Used to provide free form information related to the invoice.
.	NoteType	Attribute of Note	AN	3	This attribute corresponds to the 820 NTE01 element and uses all available codes in the ANSI X12 version 4010 standard code list for note type.
.	NoteText	Element of Note	AN	80	Note or message text corresponding to the NTE02.
.	InvoiceAdj	Element of InvoiceInfo			Used for information regarding adjustments taken to the invoice.
.	AdjType	Attribute of InvoiceAdj	AN	3	This attribute corresponds to the 820 ADX02 element and uses all available codes in the ANSI X12 version 4010

Name		Type/Parent Element	Type	Len	Description
					standard code list for adjustment reason codes.
.	AdjNumType	Attribute of InvoiceAdj	AN	3	This attribute corresponds to the 820 ADX03 element and uses all available codes in the ANSI X12 version 4010 standard code list for reference or document number type. This attribute is used to identify the type of document whose reference number appears in InvoiceAdjNum..
.	InvoiceAdjNum	Element of InvoiceAdj	AN	30	Document or reference number of the adjustment. Must be used in conjunction with AdjNumType.
.	CurAmt	Element of InvoiceAdj	AN	30	Amount of the adjustment. Requires an explicit decimal and two decimal places. Leading minus sign may be used.
.	EffDt	Element of InvoiceAdj	AN	10	Date of the adjustment. Format YYYY-MM-DD.
.	Desc	Element of InvoiceAdj	AN	30	Description of the adjustment
.	Note	Element of InvoiceAdj			Used to provide free-form information related to the invoice adjustment.
.	NoteType	Attribute of Note	AN	3	This attribute corresponds to the 820 NTE01 element and uses all available codes in the ANSI X12 version 4010 standard code list for note type.

Name	Type/Parent Element	Type	Len	Description	
.	NoteText	Element of Note	AN	80	Note or message text corresponding to the NTE02.
.	RAInfo	Element of InvoiceInfo			Used to carry additional document information such as a related purchased order number.
.	RANumType	Attribute of RAInfo	AN	3	This attribute corresponds to the 820 REF01 element and uses all available codes in the ANSI X12 version 4010 standard code list for document or reference number type.
.	RANum	Element of RefInfo	AN	30	Document or reference number corresponding to the REF02.
.	RADate	Element of RefInfo	AN	10	Date of document in format CCYY-MM-DD.
.	Desc	Element of RefInfo	AN	80	Description of document.
.	POInfo	Element of InvoiceInfo			Used for additional document information, such as a related purchased order number.
.	POType	Attribute of POInfo	AN	3	This attribute corresponds to the 820 REF01 element and uses all available codes in the ANSI X12 version 4010 standard code list for document or reference number type.
.	PONum	Element of POInfo	AN	30	Document or reference number corresponding to the REF02.

Name		Type/Parent Element	Type	Len	Description
.	Desc	Element of POInfo	AN	80	Description of the purchase order.
.	DocDelivery	Element of PmtRec			Document delivery elements and attributes are used for PMP to carry key information and delivery instructions for remittances delivered to the payees. The requirements vary depending on how PMP is used. Consult the Wells Fargo representatives for further detail.
.	EDDBillerID	Element of DocDelivery	AN	9	Identifies originating customer to the Payment Manager Plus system.
.	FileOut	Element of DocDelivery			
.	FileType	Element of FileOut	AN	3	Type of file the PMP biller is exchanging with PMP. Always XML .
.	FileFormat	Element of FileOut	AN	3	Type of format used to send remittance information. Always PDF .
.	Delivery	Element of FileOut			
.	DeliveryType	Element of Delivery	AN	5	Identifies the delivery method used to send the remittance information. Whether this is required depends on the specific EDD usage implemented. EMAIL – Remittance in PDF format sent by e-mail. FAX – Remittance faxed to receiver CEO – Remittance presen-

Name		Type/Parent Element	Type	Len	Description
					ted to receiver in Wells Fargo Commercial Electronic Office
.	DeliveryContactName	Element of Delivery	AN	60	Name of the contact at the document receiving company.
.	DeliveryFaxNumber	Element of Delivery	AN	12	Fax number at the document receiving company. Whether this is required depends on the specific EDD usage implemented.
.	DeliveryEmailAddress	Element of Delivery	AN	60	E-mail address at the document receiving company. Whether this is required depends on the specific EDD usage implemented.
.	DeliveryUserID	Element of Delivery	AN	60	CEO user ID of the user who will retrieve the remittance. Used if delivery type is CEO .
.	DeliveryCompanyID	Element of Delivery	AN	60	CEO company ID of the user who will retrieve the remittance. Used if DeliveryType is CEO .
.	SecureType	Element of Delivery	AN	6	Reserved for future use.
.	SecureQuestion01	Element of Delivery	AN	255	Reserved for future use.
.	SecurePassword01	Element of Delivery	AN	60	Reserved for future use.
.	SecureQuestion02	Element of Delivery	AN	255	Reserved for future use.
.	SecurePassword02	Element of Delivery	AN	60	Reserved for future use.

Sample Wire File

The below image is a sample of what to expect in each Wells Fargo Credit Export File.

```

<?xml version="1.0" ?>
- <File PmtRecCount="1" PmtRecTotal="1">
  <FileInfoGrp FileDate="20191009" FileTime="135037" FileControlNumber="4" />
- <PmtRec PmtCrDr="C" PmtMethod="MTS">
  <PmtID>80004</PmtID>
  <CurAmt>000000000001.00</CurAmt>
  <CurCode>USD</CurCode>
  <ValueDate>2019-05-10</ValueDate>
- <Message MsgType="OBI">
  <MsgText>Testing for Special Instructions on Destination tab</MsgText>
</Message>
- <Message MsgType="BBI">
  <MsgText>Testing for Special Instructions on Inter Bank tab</MsgText>
</Message>
- <OrgnrParty>
- <Name>
  <Name1>Khesse Testing</Name1>
</Name>
- <PostAddr>
  <Addr1>321 NeverLand St</Addr1>
  <City>Birmingham</City>
  <StateProv>AL</StateProv>
  <PostalCode>35201</PostalCode>
  <Country>US</Country>
</PostAddr>
</OrgnrParty>
- <OrgnrDepAcctID>
- <DepAcctID AcctID="3434343434" AcctType="D" AcctCur="USD">
  - <BankInfo BankIDType="ABA" Name="WELLS FARGO">
    <BankID>034034034</BankID>
    - <PostAddr>
      <Addr1>321 mAINT ST</Addr1>
      <City>ALICEVILLE</City>
      <StateProv>AL</StateProv>
    </PostAddr>
    </BankInfo>
  </DepAcctID>
</OrgnrDepAcctID>
- <RcvrParty>
- <Name>
  <Name1>Escrow 1010 Adv 80</Name1>
</Name>
</RcvrParty>
- <RcvrDepAcctID>
- <DepAcctID AcctID="0101010101" AcctType="D" AcctCur="USD">
  - <BankInfo BankIDType="ABA" Name="Wells Fargo">
    <BankID>00000001</BankID>

```

Wells Fargo Federal Wire Interface

The Wells Fargo Federal Wire Interface is used to generate a wire file in the Wells Fargo format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to Wells Fargo.

Click here for the [Wells Fargo Federal Wire Interface File Specifications](#).

System Preferences

The Wells Fargo Wire Interface is enabled and configured in System Preferences, **Identification/system constants, Interface parameters, Wells Fargo Company Federal Wire Interface** folder, as described following:

Preference	Description
Output folder	Specify the folder in which the file will be saved when it is created by the interface.
Output File Prefix	Specify the file name prefix for the export file.
Use CEO Wire File Format	Set to True to use the CEO (Commercial Electronic Office) wire format, which is domestic only. Set to False to use the MTS (Money Transfer Services) wire format.
Country Code	Enter the lender country code, which populates the Country tag within the PostAddr tag of a PmtRec.
Lender Contact	The lender contact.
ACH Company ID	ACH ID assigned to the lender by Wells Fargo.
Bank Info Name	Enter the Bank Info Name. Field will default to Wells Fargo if blank.
Originating Bank Address#1	Lender bank address line 1, which populates the Addr1 tag within the PostAddr tag of a PmtRec.
Originating Bank Address#2	Lender bank address line 2, which populates the Addr2 tag within the PostAddr tag of a PmtRec.
Originating Bank City	Lender bank address city, which populates the City tag within the PostAddr tag of a PmtRec.
Originating Bank State	Lender bank address state, which populates the StateProv tag within the PostAddr tag of a PmtRec.
Originating Bank Zip Code	Lender bank address ZIP/postal code, which populates the PostalCode tag within the PostAddr tag of a PmtRec.
Originating Bank Country Code	Lender bank address country, which populates the Country tag within the PostAddr tag of a PmtRec.
Customer ID	Customer identifier assigned by Wells Fargo that populates the ID tag within the IDInfo tag of the payment record for the CEO file format.

Preference	Description
Combine batches	Set to True to combine checks for the same payee, account number, name and currency code into one wire payment record.
Date as next business day after	Enter the time of day after which the wire file is dated for the business day following the current FactorSoft processing date.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_WFC**.

Wells Fargo Federal Wire File Specifications

The file is an XML file with one File tag containing file totals and one-to-many PmtRec segments containing the payment details, originating party (payor) details, and receiving party (payee) details. The file name consists of a Wells Fargo specified (and System Preference defined) prefix, and an HHMMSSCCYYMMDD time and date stamp, followed by the .XML file extension.

Tag/Elements	Description
File	The full content of the output file is bracketed within the File tags and there is one File tag per file with the following attributes:
PmtRecTotal	Total amount of payments in the file
PmtRecCount	Number of payment detail records in file
FileInfoGrp	Containing the following elements: FileControlNumber FileTime FileDate
PmtRec	Each payment record is bracketed within PmtRec tags, and there are one to many per file. Containing the following attributes: PmtMethod (EOD or MTS) PmtCrDr (C or D)
PmtID	The check or wire number

Tag/Elements	Description
CurAmt	The check or wire amount
CurCode	The payment currency code
ValueDate	The payment paid-on date
IDInfo	Containing the following elements: IDType ID
Message	Containing the following elements: MsgType MsgText
OrgnrParty	Lender name and address information. Containing the following elements: Name <ul style="list-style-type: none"> • Name1 PostAddr <ul style="list-style-type: none"> • Addr1 • Addr2 • City • StateProv • PostalCode • Country
OrgnrDepAcctID	Lender bank account information. Containing the following elements: DepAcctID

Tag/Elements	Description
	<ul style="list-style-type: none"> • AcctCur • AcctType • AcctID • BankInfo (Name, BankIDType) • BankID <p>PostAddr</p> <ul style="list-style-type: none"> • Addr1 • Addr2 • City • StateProv • PostalCode • Country
RcvrParty	<p>Lender's client to whom payment is made (FactorSoft Client Name)</p> <p>Name1</p>
RecvrDepAcctID	<p>Bank account information for lender's client. Containing the following elements:</p> <p>DepAcctID</p> <ul style="list-style-type: none"> • AcctCur • AcctType • AcctID • BankInfo (Name, BankIDType BankID)

Example

```
<?xml version="1.0"?>
- <File PmtRecTotal="164.05" PmtRecCount="1">
  <FileInfoGrp FileControlNumber="3" FileTime="151539" FileDate="20150626"/>
  - <PmtRec PmtFormat="DOM" PmtMethod="CEO" PmtCrDr="C">
    <PmtID>30578</PmtID>
    <CurAmt>000000000164.05</CurAmt>
    <CurCode>US</CurCode>
    <ValueDate>2011-03-01</ValueDate>
    - <IDInfo IDType="BatchID">
      <ID>2</ID>
    </IDInfo>
    - <IDInfo IDType="CustomerID">
      <ID>uplf999</ID>
    </IDInfo>
    - <Message MsgType="OBI">
      <MsgText>DESLOG</MsgText>
    </Message>
    - <OrgnrParty>
      - <Name>
        <Name1>Upland Factors LLC</Name1>
      </Name>
      - <PostAddr>
        <Addr1>P.O. Box 999774</Addr1>
        <City>San Francisco</City>
        <StateProv>CA</StateProv>
        <PostalCode>94188177</PostalCode>
        <Country>CAN</Country>
      </PostAddr>
    </OrgnrParty>
    - <OrgnrDepAcctID>
      - <DepAcctID AcctCur="USD" AcctType="D" AcctID="123456789">
        - <BankInfo Name="WELLS FARGO" BankIDType="ABA">
          <BankID>987654321</BankID>
          - <PostAddr>
            <Addr1>123 First Street</Addr1>
            <Addr2>Suite 100</Addr2>
            <City>Birmingham</City>
            <StateProv>AL</StateProv>
            <PostalCode>35200</PostalCode>
            <Country>US</Country>
          </PostAddr>
        </BankInfo>
      </DepAcctID>
    </OrgnrDepAcctID>
    - <RcvrParty>
      - <Name>
        <Name1>DEGREE LOGISTICS LLC</Name1>
      </Name>
    </RcvrParty>
    - <RcvrDepAcctID>
      - <DepAcctID AcctCur="US" AcctType="D" AcctID="">
        - <BankInfo Name="" BankIDType="ABA">
          <BankID/>
        </BankInfo>
      </DepAcctID>
    </RcvrDepAcctID>
  </PmtRec>
</File>
```

Wells Fargo Positive Pay Export Interface

The Wells Fargo Positive Pay Export Interface is used to generate a wire file in the Wells Fargo format from the FactorSoft Write Checks screen. The file is written to a file location of your choice, as specified in the System Preferences, to be transmitted via external means to Wells Fargo. A Positive Pay File contains a list of checks written for any given day and is used to help detect fraud on the account (pending and zchecks are not included).

Click here for the [Wells Fargo Positive Pay Export File Specifications](#).

System Preferences

The Wells Fargo Positive Pay Export Interface is enabled and configured in System Preferences, **System Preferences, Interface parameters, Wells Fargo Positive Pay Export** folder, as described following:

Preference	Description
Bank ID	This Bank ID provided by Wells Fargo is used for the Positive Pay File
Account Number	The account number from the Accounts table will be used if populated
Last Positive Pay Extract Date	Auto-populates with the last date/time the Wells Fargo Positive Pay Export was ran.

Override Crystal Report Module

On the Cash/wire account tab of the Accounts Table screen, set the **Override crystal report module** to **FSW_WFPosPayExport**.

Wells Fargo Positive Pay Export File Specifications

The Wells Fargo Positive Pay Export file is a .txt file with the following file specifications.

HEADER				
Name	Position	Type	Len	Description
Bank ID	4	Numeric	5	Right-justified, zero-filled
Account Number	9	Numeric	14	Right-Justified, zero filled

HEADER				
Name	Position	Type	Len	Description
File Status	24	Alphanumeric	1	Always 0
Unused	25	Alphanumeric	165	Spaces

DETAIL RECORD				
Name	Position	Type	Len	Description
Check Serial Number	1	Numeric	10	Each serial number must be unique. Right-justified, zero-filled.
Issue Date	11	Alphanumeric	6	Issue date can be all zeros for stop payment transaction codes. [MMDDYY]
Account Number	17	Numeric	14	Wells Fargo Account Number, right justified, zero filled
Transaction Code	32	Numeric	3	Transaction Code
Amount	35	Numeric	10	Format (\$\$\$\$\$\$cc) Right-justified, zero-filled
Additional Data/Payee Information	45	Alphanumeric	39	Left-justified, may contain special characters. Payee Validation Notes: If using the Payee Validation service, Payee information MUST match check issue payee information exactly. (Do not use carriage returns between payee names.)Your payee name does not end until the beginning of your legal street or P.O. Box number.(There is no need to include your city/state in your issue file.) OR Authorize the bank to read your first line only of your payee validation check.
Unused	85	Alphanumeric	165	Spaces

TRAILER RECORD				
Name	Position	Type	Len	Description
Detail Record Count	16	Numeric	7	Right- justified, zero-filled
Total Amount	26	Numeric	12	Format (\$\$\$\$\$\$\$\$\$\$cc) Right-justified, zero filled
Unused	39	Alphanumeric	165	Spaces

Sample Wire File

The below image is a sample of what to expect in each FSW_WFPosPay|Export File.

```

WellsFargoPositivePa.TXT - Notepad
File Edit Format View Help
*030123400001010101010
000000504108011900001010101013200000000100Tecky Becky Technical Repairs - Invdelivery INC
&          0000001  0000000000100

```

Check Report Writer

The MS Excel Check Report Writer allows you to write checks to a spreadsheet, then email the spreadsheet to a specified address, rather than actually produce a check from the system.

This feature is typically used when a third party (e.g. T-Chek Systems) handles certain accounts. The lender uses the Check Report Writer to prepare an Excel file that details the payee and amount information, which the third party uses to create deposits to the specified accounts.

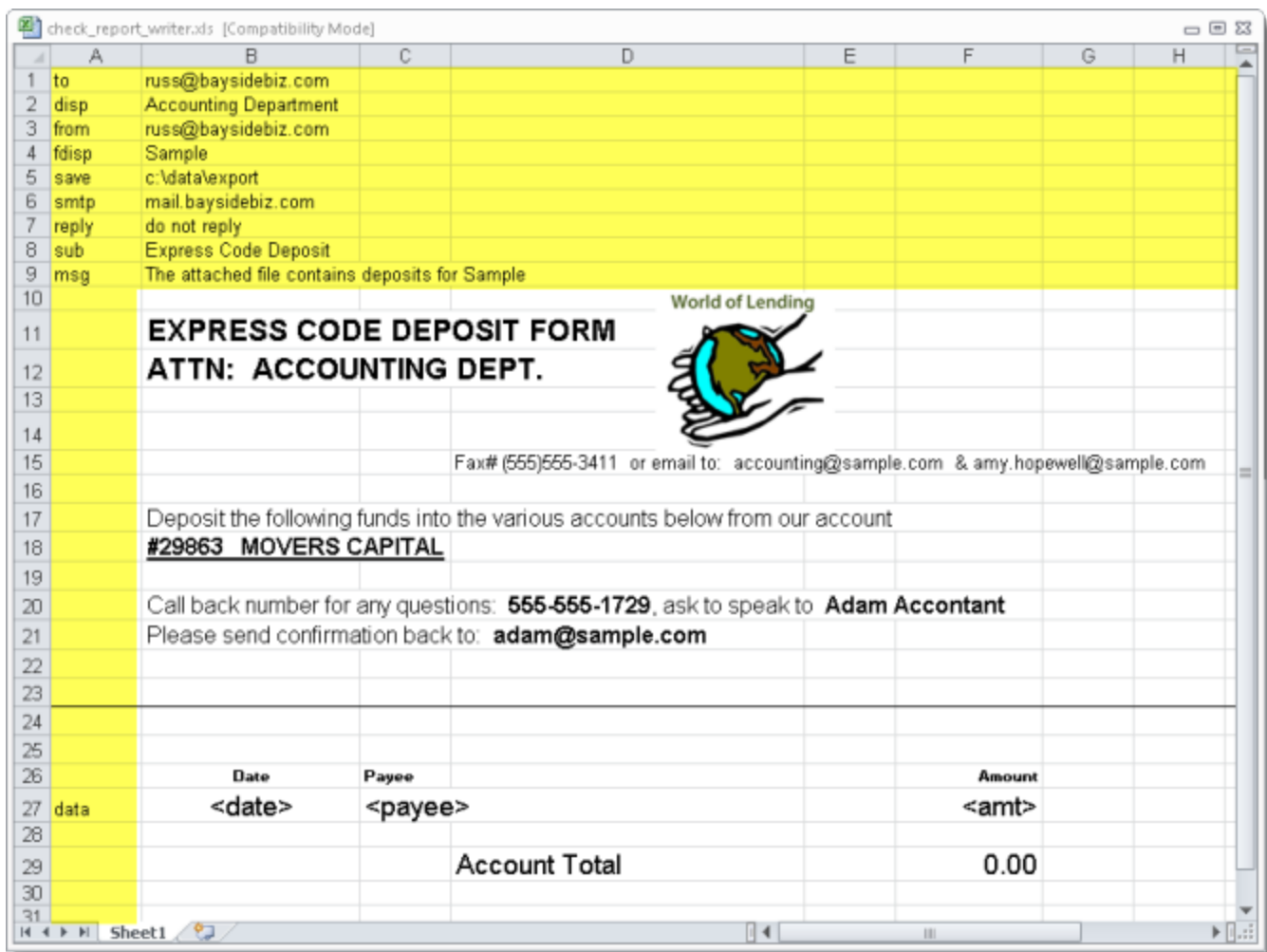
Setting Up Check Report Writer

The Check Report Writer is template-driven. This means that a skeleton report template is first created in Microsoft Excel and then is enabled as an override Crystal Report module in the Account Table and an Engine task must also be created.

Creating the Excel Spreadsheet

Since the underlying templates of the Client Summary Worksheet are based on Excel spreadsheets, you can utilize the page layout and graphic features of Excel to customize the templates. The template must be named XXXX.xls, where XXXX is a unique four-character template name, and the file must be saved in the FactorSoft common report folder.

A hidden column "A" is added for instructions, along with hidden rows at the top of the sheet to declare the parameters and their values. For the hidden rows, the parameter value is placed in the second column adjacent to the parameter name. For an example, see the illustration and table below. The hidden column "A" and rows are highlighted in the example, but would be hidden in the finished spreadsheet. The Check Report Writer uses this information to fill in the template details and email the report when it is generated.



Parameter	Description
save	The fully qualified path to the folder in which completed spreadsheets are saved. This is a required parameter.

Parameter	Description
to	The email addresses to which the spreadsheet is sent. If more than one, separate the addresses with semicolons. This is a required parameter.
disp	The display name to which the spreadsheet email is addressed. If left blank, the "to" email addresses are used.
smtp	The name of the SMTP mail host. This is a required parameter.
from	The email address from which the email is addressed. This is a required parameter.
fdisp	The display name for the from email address. If left blank, the from email address is used.
reply	The reply email address. If left blank, "do not reply" is displayed.
subj	The text for the subject line of the email. If left blank, the lender name is used.
msg	The message contained within the body of the email. If left blank, the lender name is used.
data	Indicates the line where the deposit data is to be placed. The following field codes are allowed on this line: <ul style="list-style-type: none"> • <date> – Check date or FactorSoft processing date • <checkno> – Check number assigned by check writer • <payee> – Payee name • <amt> – Check amount

When the Check Report Writer is run, the completed spreadsheet is named XXXX_YYYY_MM_DD_NN.xls (XXXX=template name, YYYY=year, MM=month, DD=day, NN=sequential number starting with 01), stored in the save folder, and emailed per the schedule configured for the service.

Adding the Engine Task

The Engine enables the scheduled email functionality of the Check Report Writer. The Engine task Check Writer must be configured in the Engine Administration module.

Setting Up the G/L Account

Create an account for the Check Report Writer in the Tables feature:

1. On the **File** menu, click **Tables**.
2. On the **Accounting** menu, click **Accounts**. The *Account Table* screen appears.
3. Click **New** to create the new account.
4. Define the account as needed. Then, on the **Cash/wire Account** tab, set the **Override crystal report module** to **XLX_XXXX**, where **XXXX** is the template name.

Data Warehouse Extract

The Data Warehouse Extract is used to extract Client and Debtor information automatically during the Date Roll process by the Engine. The file is written to a file location of your choice, as specified in the System Preferences.

Click here for the [Data Warehouse Extract Sample File](#).

NOTE

Data Warehouse must be checked in the control file settings for the Export to run.

System Preferences

The Data Warehouse Extract Interface is enabled and configured in System Preferences, **Identification/system constants**, **Interface parameters**, **Data Warehouse Extract** folder, as described following:

Preference	Description
Database Identifier	Identifies specific database to extract
Output Path	Specify the folder in which the file will be saved when it is created by the interface.
Format	Select the XML format.

Data Warehouse Extract Sample File

The below image is a sample of what to expect in each Data Warehouse Extract File.

```
- <Extract>
- <Identifier>
  <Date>July 31, 2019</Date>
  <Database>LameDuck</Database>
  <Version>01.424</Version>
</Identifier>
- <Client>
  <Name>Princess Supplies</Name>
  <Key>8</Key>
  <ArBalance>70,200.00</ArBalance>
  <NfeBalance>63,180.00</NfeBalance>
  <EscrowBalance>7,020.00</EscrowBalance>
  <RsvBalance>0.00</RsvBalance>
  <HeldBalance>0.00</HeldBalance>
  <Age1to30>0.00</Age1to30>
  <Age31to60>0.00</Age31to60>
  <Age61to90>0.00</Age61to90>
  <Age91to120>70,200.00</Age91to120>
  <Age121up>0.00</Age121up>
  <MaxBalNoNoa>0.00</MaxBalNoNoa>
  <VerNotes />
  <TotalCreditLimit>1,000,000.00</TotalCreditLimit>
  <IndivCreditLimit>0.00</IndivCreditLimit>
  <Warning />
  <NumberOfSchedules>0</NumberOfSchedules>
  <NumberOfInvoices>0</NumberOfInvoices>
  <InvoicesPurchased>0.00</InvoicesPurchased>
  <EarnedFees>0.00</EarnedFees>
  <Collections>0.00</Collections>
  <CbShortage>0.00</CbShortage>
  <CbRecourse>0.00</CbRecourse>
  <CbRecovery>0.00</CbRecovery>
  <CbOverage>0.00</CbOverage>
  <CbNonFact>0.00</CbNonFact>
- <Debtor>
  <Rank>1</Rank>
  <Name>Juice IL</Name>
  <Key>1</Key>
  <CrLimit>1,000,000.00</CrLimit>
  <NoaRecd />
  <Total>31,550.00</Total>
  <Age1to30>0.00</Age1to30>
  <Age31to60>0.00</Age31to60>
  <Age61to90>0.00</Age61to90>
  <Age91to120>31,550.00</Age91to120>
  <Age121up>0.00</Age121up>
  ...
```

Stand-alone Executable Overview

Stand-alone Executable Programs can be run alongside FactorSoft to add customized functionality for specific purposes at your Financial Institution. The following section is a guide to executable programs which extract data from the Engine.

T24 Extract

The T24 Extract executable extracts data from T24 transactions.

System Preferences

The T24 Extract is configured in System Preferences, **Identification/system constants, Interface parameters, T24 Extract** folder, as described following:

Field	Description
Account Number for Factoring Fee	Specify the Account Number for Factoring Fee.
Account Number for Insurance Fee	Specify the Account Number for Insurance Fee.
Debtor Group Value Used for Collateral Type	Specify the Value of Group to be Used in Extract
Debtor Group Value Used for HO Classification	Specify the Value of Group to be Used in Extract
Debtor Group Value Used for Risk Rating	Specify the Value of Group to be Used in Extract

To utilize T24 Extract:

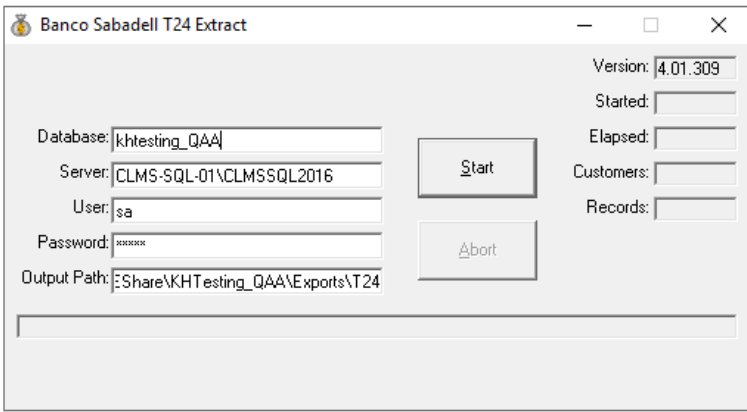
1. Open the T24 program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled T24_Extract.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The T24 program opens on your desktop, as shown below:



2. Complete the T24 screen as described below:

Field	Description
Database	Enter the actual database name (as defined to FactorSoft in the Control File in the Database Name field) from which to extract data.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
Output Path	Enter the fully qualified folder location in which to create the extract file.
Start	Click this button to generate the extract file.
Abort	Click this button to stop the extract process once started.
Version	Displays the version number of the T24 program.
Started	Displays the time that the current extract was started.

Field	Description
Elapsed	Displays the time elapsed thus far in an executed extract.
Customer	Displays the number of records accessed thus far in an executed extract.
Records	Displays the number of records that the current extract was started.

3. Click the **Start** button to execute the T24 program.

Cadence Credit Watch

The Cadence Credit Watch executable monitors credit imports and provides output in designated “Errors” folder location input by user, an import “folder to monitor”, and “backup” folder to copy to, granted there’s any data in the columns of the database for CredExportHist table. This executable is coded to Auto Start once launched and cannot be closed once started unless the **Stop** button is clicked.

To utilize Cadence Credit Watch:

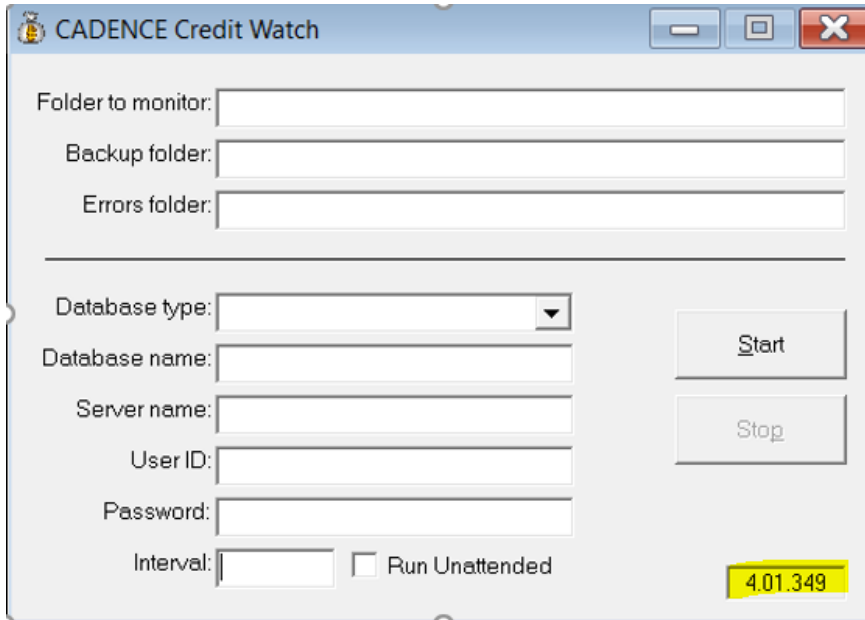
1. Open the Cadence Credit Watch program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled fsCreditWatch.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The Cadence Credit Watch program opens on your desktop, as shown below:



2. Complete the Cadence Credit Watch screen as described below:

Field	Description
Folder to Monitor	Enter the fully qualified folder location in which to receive import files to be processed by the Engine.
Backup Folder	Enter the fully qualified folder location in which to receive backup files processed by the Engine.
Error Folder	Enter the fully qualified folder location in which to receive error files processed by the Engine.
Database Type	drop-down to select appropriate database type.
Database	Enter the actual database name (as defined to FactorSoft in the Control

Field	Description
	File in the Database Name field) from which to extract data.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
Interval	Enter time in minutes to execute Cadence Credit Watch. If blank, will default to 60 minutes.
Run Unattended	Check box to run automatically.
Start	Click this button to generate the extract file.
Stop	Click this button to stop the extract process once started.
Version	Displays the version number of the Cadence Credit Watch program.

3. Click the **Start** button to execute the Cadence Credit Watch.

Cadence Fee Tester

The Cadence Fee Tester, created specifically for TC-03 (SmartBear), automates testing in FactorSoft

To utilize Cadence Fee Tester:

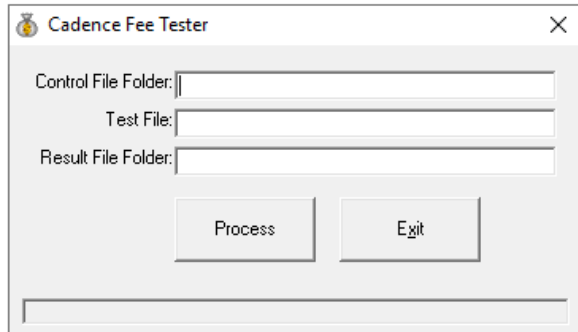
1. Open the Cadence Fee Tester program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled FeeTester.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The Cadence Fee Tester program opens on your desktop, as shown below:



2. Complete the Cadence Function Controller screen as described below:

Field	Description
New	Select "New" to create a new database.
Delete	Select "Delete" to delete a database.
Description	Enter the Description for the database.
Database Type	drop-down to select Database Type.
Maximum Users-A	Enter the maximum number of users allowed in the database at one time.
Database Name	Enter the Database name exactly as it appears in the SQL database.
SQL Server Name	Enter the SQL Server Name where the database is stored.
SQL Login Name	Enter the SQL Login Name used to access the database.
SQL Password	Enter the SQL Password associated with the SQL Login.
Confirm Password	Re-enter the SQL Password associated with the SQL Login.

Field	Description
Modules	Check box each module that needs to be accessible in the database.
Key Code	Enter Key Code
License	Calculated once Key Code is entered.
Test	Click "Test" to check database connection.
Modify	Click "Modify" to save changes.
Exit	Click "Exit" to exit program.

3. Click the **Modify** button to save database changes.

Calculate Initial At-Risk Invoices

The Calculate Initial At-Risk Invoices executable will calculate and display At-Risk Invoices from FactorSoft.

To utilize Calculate At-Risk Invoices:

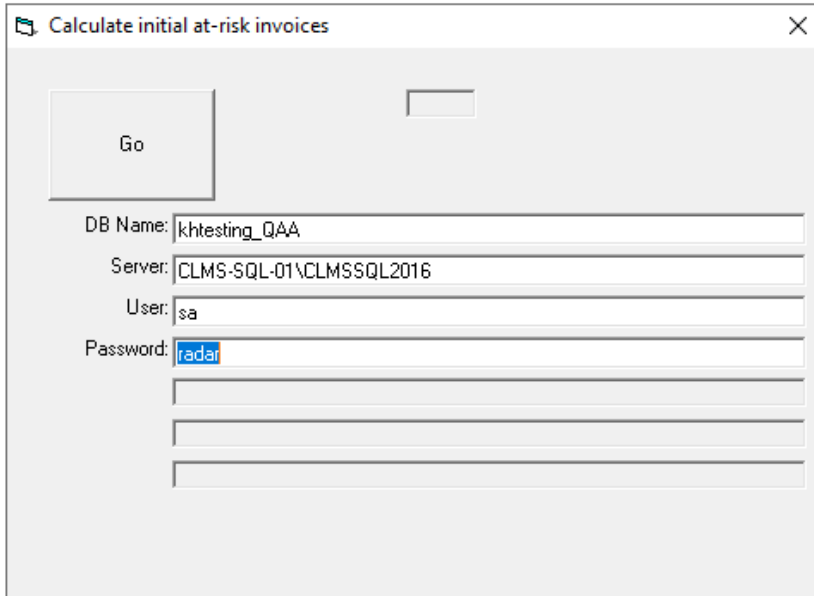
1. Open the Calculate At-Risk Invoices program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled fsFixAtRisk.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The Calculate At-Risk Invoices program opens on your desktop, as shown below:



2. Complete the Calculate At-Risk Invoices screen as described below:

Field	Description
DB Name	Enter the actual database name (as defined to FactorSoft in the Control File in the Database Name field) from which to extract data.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
Go	Click this button to generate the extract file.

3. Click the **Go** button to execute the Calculate At-Risk Invoices. A Started and Finished time is displayed once the process completes.

Bancware Extract

The Bancware Extract executable extracts debtor information to the specified location given by the user in the Output path. The output is a set of files (.txt, trg, and .log) placed in the Output Path entered by the user on the form. The executable returns files in the following format:

1. a Text file (BancYYYYMM.txt)
2. a Log File (BancYYYYMM.log)
3. an Image file (BancYYYYMM.trg) - **Note:** There is special software required to open this file.

To create Bancware Extract:

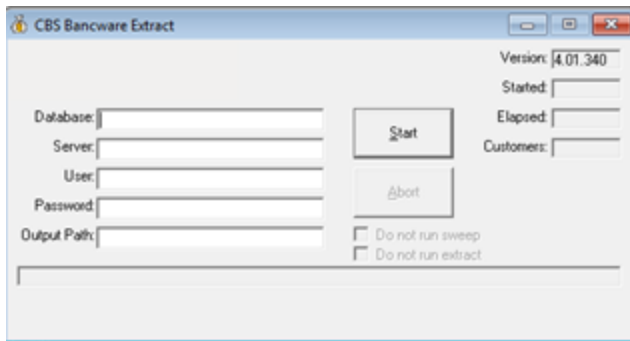
1. Open the Bancware Extract program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled CBS_Bancware.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The Bancware Extract program opens on your desktop, as shown below:



2. Complete the Bancware Extract screen as described below:

Field	Description
Database	Enter the actual database name (as defined to FactorSoft in the Control File in the Database Name field) from which to extract invoice data.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
Output Path	Enter the fully qualified folder location in which to create the extract file.
Start	Click this button to generate the extract file.
Abort	Click this button to stop the extract process once started.
Do Not Run Sweep	Check this box to prevent sweep from running.
Do Not Run Extract	Check this box to prevent extract from running.
Version	Displays the version number of the Bancware Extract program.

Field	Description
Started	Displays the time that the current extract was started.
Elapsed	Displays the time elapsed thus far in an executed extract.
Customers	Displays the number of debtor records accessed thus far in an executed extract.
Records	Displays the number of records written to the extract file thus far in an executed extract.

3. Click the **Start** button to execute the Bancware Extract.

Client/Customer List (DCL)

The Client/Customer List (DCL) executable extracts data for the Client/Debtor Download List and saves to the specified location given by the user in the Output path. The output is a set of files (.txt and .trg) placed in the Output Path entered by the user on the form. The executable returns files in the following format:

1. a Text file (cbs-ClidDebSumm.txt) - Returned Data for the Client/Debtor Download List
2. an Image file (DCL.trg) - DCL information - **Note:** There is special software required to open this file.

System Preferences

Field	Description
Data Format	Controls how the date is formatted by the program (available in North American and European). dd-mm-yyyy mm/dd/yyyy
Time Format	Controls how the time is formatted by the program. HH:MM HH:MMA/P

To create Client/Customer List (DCL):

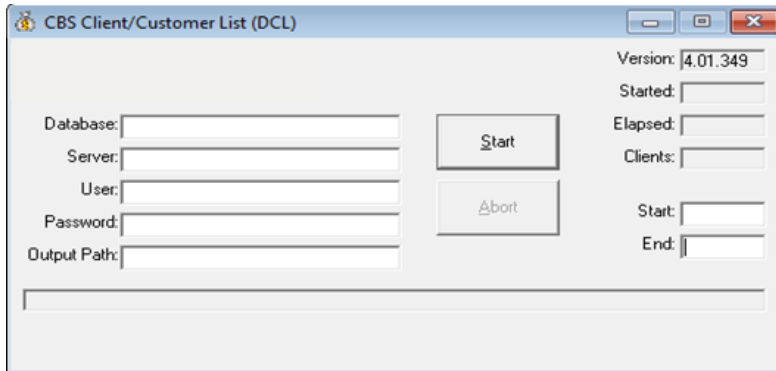
1. Open the Client/Customer List (DCL) program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled CBS_CliDebList.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The Client/Customer List (DCL) program opens on your desktop, as shown below:



2. Complete the Client/Customer List (DCL) screen as described below:

Field	Description
Database	Enter the actual database name (as defined to FactorSoft in the Control File in the Database Name field) from which to extract data.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
Output Path	Enter the fully qualified folder location in which to create the extract file.
Start	Click this button to generate the extract file.
Abort	Click this button to stop the extract process once started.
Version	Displays the version number of the Client/Customer List (DCL) program.
Started	Displays the time that the current extract was started.

Field	Description
Elapsed	Displays the time elapsed thus far in an executed extract.
Clients	Displays the number of records accessed thus far in an executed extract.
Start	Enter numerical Client Number with which to begin the extract.
End	Enter numerical Client Number with which to stop the extract.

3. Click the **Start** button to execute the Client/Customer List (DCL).

Client/Customer Summary (DSR)

The Client/Customer Summary (DSR) executable extracts data that contains Client information and Debtor Totals for each month that there was activity and saves to the specified location given by the user in the Output path. The output is a set of files (two .txt files and a .trg) placed in the Output Path entered by the user on the form. The executable returns files in the following format:

1. a Text file (cbs-CliDebSumm.txt) – Returned Data for the Client/Debtor Summary is included in this text file (categorized by RecType – HD, YT, CS, CL, CT, TO)
2. a Text file (cbs-CliDebSummTotals.txt) – Returns DSR recap information obtained from the executable including DB, Server, version, started time, ended time, elapsed time and how many clients were included in the Summary.
3. an Image file (DSR.trg) – DSR information from the extraction. **Note:** There is special software required to open this file.

System Preferences

Field	Description
Data Format	Controls how the date is formatted by the program (available in North American and European). dd-mm-yyyy mm/dd/yyyy
Time Format	Controls how the time is formatted by the program. HH:MM HH:MMA/P

To create Client/Customer Summary (DSR):

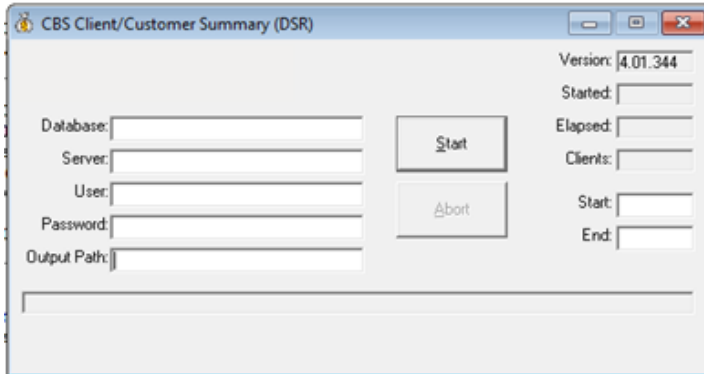
1. Open the Client/Customer Summary (DSR) program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled CBS_CliDebSumm.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The Client/Customer Summary (DSR) program opens on your desktop, as shown below:



2. Complete the Client/Customer Summary (DSR) screen as described below:

Field	Description
Database	Enter the actual database name (as defined to FactorSoft in the Control File in the Database Name field) from which to extract data.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
Output Path	Enter the fully qualified folder location in which to create the extract file.
Start	Click this button to generate the extract file.
Abort	Click this button to stop the extract process once started.
Version	Displays the version number of the Client/Customer Summary (DSR) program.
Started	Displays the time that the current extract was started.

Field	Description
Elapsed	Displays the time elapsed thus far in an executed extract.
Clients	Displays the number of records accessed thus far in an executed extract.
Start	Enter numerical Client Number with which to begin the extract.
End	Enter numerical Client Number with which to stop the extract.

3. Click the **Start** button to execute the Client/Customer Summary (DSR).

File Specifications

Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11
Result Debtor										
Deb Name	Debtor No	Addresses	Inv Count	Inv Amt	Cred Count	Cred Amt	Recourse Amt	Year Inv Amt	Result Summary	Result Trans
Result Summary										
From Date	Inv Count	Inv Amt	Cred Count	Cred Amt	Fee Earned	Rsv Held	Recourse Amt	Expense Amt	Check Amt	
Result Trans										
Post Date	Batch No	Inv Count	Inv Amt	Cred Count	Cred Amt	Fee Earned	Rsv Held	Recourse Amt	Expense Amt	Check Amt

Sample File

Below is a sample of the text file cbs-ClDebSumm.txt:

```

HD|2 Min Comm Client (2MINCOMM)|4/30/2019|2MINCOMM
YT|9/1/2018|1|1000.00|0|0.00|-100.00|0.00|0.00|900.00
YT|10/1/2018|2|7000.00|0|0.00|-722.50|0.00|0.00|6277.50

```

Statement Extract

The Statement Extract executable extracts data that contains statement information pertaining to each office's (Regular, Special, Direct, Circa) total Statement generation for the month and saves to the specified location given by the user in the Output path. The output is a set of files placed in the Output Path entered by the user on the form; an Extract File, hard coded to return cbs-download.txt file, a Log File that should be returned in this format "LOG_YYYYMMDD_HHMMSS.txt", and two .trg files that acts a trigger files to tell the system to process similar file name with different extensions.

System Preferences

Field	Description
U65ok	Database changes (U65OK) are required before this program can be run.

To create Statement Extract :

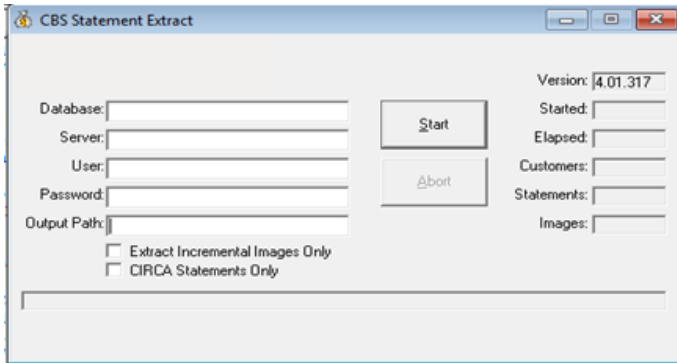
1. Open the Statement Extract program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled CBS_Statement.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The Statement Extract program opens on your desktop, as shown below:



2. Complete the Statement Extract screen as described below:

Field	Description
Database	Enter the actual database name (as defined to FactorSoft in the Control File in the Database Name field) from which to extract data.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
Output Path	Enter the fully qualified folder location in which to create the extract file.
Extract Incremental Images	Check to extract incremental images from the database.
CIRCA Statements Only	Check to extract CIRCA Statements only.
Start	Click this button to generate the extract file.

Field	Description
Abort	Click this button to stop the extract process once started.
Version	Displays the version number of the Statement program.
Started	Displays the time that the current extract was started.
Elapsed	Displays the time elapsed thus far in an executed extract.
Customers	Displays the number of records accessed thus far in an executed extract.
Statements	Displays the number of statements accessed thus far in an executed extract.
Images	Displays the number of images accessed thus far in an executed extract.

3. Click the **Start** button to execute the Statement Extract.

Standard Register Extract

The Standard Register Extract executable extracts data that contains Statement Information as well as Customers who have Statements past due and saves to the specified location given by the user in the Output path. The output is a set of files placed in the Output Path entered by the user on the form; a Log file, TRG file, Text document, and an XLS file.

1. a Text file (StdRegYYMMDD.txt) – returns a list of customers in the following format: “CB (PhaseName)01-0770000-1-0+ -debno- debname
2. a Log file (StdRegYYMMDD.log) – includes information pertaining to the entire extraction:
 - Date of the extraction
 - Started date/time
 - The date of the database
 - Time the extraction completed
 - Standard Register Extract for Past Due Notice Date started (current date)
 - The database is dated (current date)
 - Also includes the number of past due notices and the grand total amount for total customers included in extraction
3. an Excel file (StdRegYYMMDD.xls) – returns excel file that includes header of the date of past due notices. Includes the names of Customers included, along with the customer# and if the client is considered CIRCA(Y/N). Includes the statement balance, statement minimum amount, statement past due amount, current payments, current past due balance, current balance, oldest invoice date, and phase name (CB00xx)
4. an Image File (StdRegYYMMDD.trg) – **Note:** There is special software required to open this file.

System Preferences

Field	Description
Data Format	Controls how the date is formatted by the program (available in North American and European). dd-mm-yyyy mm/dd/yyyy
Time Format	Controls how the time is formatted by the program. HH:MM HH:MMA/P

To create Standard Register Extract :

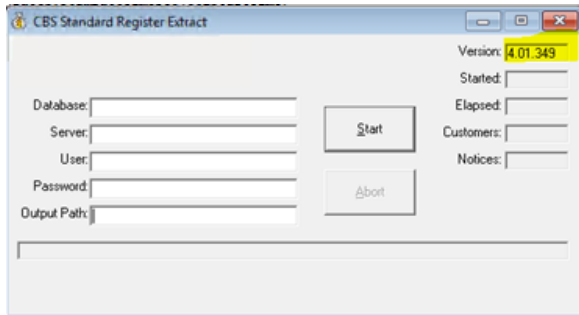
1. Open the Standard Register Extract program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled CBS_StandReg.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The Standard Register Extract program opens on your desktop, as shown below:



2. Complete the Standard Register Extract screen as described below:

Field	Description
Database	Enter the actual database name (as defined to FactorSoft in the Control File in the Database Name field) from which to extract data.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
Output Path	Enter the fully qualified folder location in which to create the extract file.
Start	Click this button to generate the extract file.
Abort	Click this button to stop the extract process once started.
Version	Displays the version number of the Standard Register program.
Started	Displays the time that the current extract was started.
Elapsed	Displays the time elapsed thus far in an executed extract.

Field	Description
Customers	Displays the number of records accessed thus far in an executed extract.
Notices	Displays the number of notices accessed thus far in an executed extract.

3. Click the **Start** button to execute the Standard Register Extract.

File Specifications

Field	Column	Description
Customer Name	1	Displays Customer Name
Customer Number	2	Displays Customer Number
CIRCA	3	Displays Yes or No if the client is considered CIRCA
Statement Balance	4	Displays Statement Balance Amount
Statement Minimum	5	Displays Statement Minimum Amount
Statement Past Due	6	Displays Statement Past Due Amount
Current Payments	7	Displays Current Payments Amount
Current Past Due	8	Displays Current Past Due Amount
Current Balance	9	Displays Current Balance
Oldest Invoice	10	Displays date of Oldest Invoice
Phase Name	11	Displays Phase Name (CB00xx)

Sample File

Below is a sample of the type of excel file you will see once the extract is complete:

Microsoft Excel - StaffReg190420.xls

File Edit View Insert Format Tools Data Window Help

100% Arial

Past Due Notices for April 20, 2019

Customer	Customer CIRCA?	Statement Balance	Statement Minimum	Statement Past Due	Current Payments	Current Past Due	Current Balance	Oldest Invoice	Phase Name
Alphabet Soup Co.	69 No	4,734.56	4,734.56	4,734.56	0	4,734.56	4,734.56	11/12/2018	CE004
Buster Brown Shoes	65 No	7,484.56	7,484.56	7,484.56	0	7,484.56	7,484.56	11/9/2018	CE004
Debtors B1	68 No	296,450.00	275,000.00	296,450.00	0	296,450.00	296,450.00	9/10/2018	CE004
Hibberts	59 No	1,000.00	1,000.00	1,000.00	0	1,000.00	1,000.00	11/19/2018	CE004
New debtor	79 No	12,500.00	12,500.00	0	0	0	12,500.00		
no insurance debtor	81 No	1,950.00	1,950.00	0	0	0	1,950.00		
Office Depot	66 No	511,000.00	8,000.00	511,000.00	0	511,000.00	511,000.00	7/30/2018	CE004
Rub-A-Dub Tub Co.	75 No	12,500.00	12,500.00	12,500.00	0	12,500.00	12,500.00	11/19/2018	CE004
School House Rock!	70 No	7,250.00	7,250.00	7,250.00	0	7,250.00	7,250.00	11/12/2018	CE004
Sports Authority	64 No	4,000.00	4,000.00	4,000.00	0	4,000.00	4,000.00	7/30/2018	CE004
Staples	58 No	25,615.44	27,100.00	27,100.00	0	27,100.00	25,615.44	5/3/2018	CE004
Syco Foods	76 No	100,000.00	100,000.00	100,000.00	0	100,000.00	100,000.00	11/19/2018	CE004
Test Country	83 No	100	100	0	0	0	100		
test debtor2	80 No	1,000.00	1,000.00	0	0	0	1,000.00		
The Shoe Department	60 No	1,000.00	1,000.00	1,000.00	0	1,000.00	1,000.00	6/22/2018	CE004
Widgets to Go	78 No	9,250.00	9,250.00	9,250.00	0	9,250.00	9,250.00	12/31/2018	CE004
Zappa	61 No	5,600.00	5,600.00	5,600.00	0	5,600.00	5,600.00	5/18/2018	CE004

Insurance Calculator

The Insurance Calculator executable calculates insurance based off the old credit limit compared with the new credit limit with options to update credit limits in the database or choose not to update and saves the file to the specified location given by the user in the Output path.

To create Insurance Calculator executable :



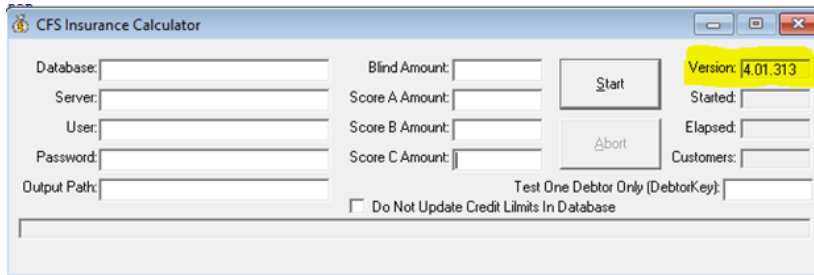
1. Open the Insurance Calculator program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled CFS_Insurance.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The Insurance Calculator program opens on your desktop, as shown below:



2. Complete the Insurance Calculator executable screen as described below:

Field	Description
Database	Enter the actual database name (as defined to FactorSoft in the Control File in the Database Name field) from which to extract data. Note: To run this executable, Debtor Government data elements are required.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
Output Path	Enter the fully qualified folder location in which to create the extract file.
Blind Amount	Enter Blind Amount for program.
Score A Amount	Enter Score A Amount
Score B Amount	Enter Score B Amount
Score C Amount	Enter Score C Amount
Start	Click this button to generate the extract file.

Field	Description
Abort	Click this button to stop the extract process once started.
Version	Displays the version number of the Insurance Calculator program.
Started	Displays the time that the current extract was started.
Elapsed	Displays the time elapsed thus far in an executed extract.
Customers	Displays the number of records accessed thus far in an executed extract.
Test One Debtor Only (Debtor Key)	Enter Debtor Key to Test Executable
Do Not Update Credit Limits in Database	Check to restrict program from updating Credit Limits in Database

3. Click the **Start** button to execute the Insurance Calculator.

Credit Export

The Credit Export executable accepts user input and creates export credit requests and credit invoice files to the specified location given by the user in the Output path if there's credit requests or invoice files returned from the database. The output is a set of files (Credit Files and Invoice Files) placed in the File Location entered by the user on the form. Upon a successful export, the executable notifies the user the number of files returned for each:

1. Credit Requests Files = (CreditExportFiles)
2. Invoice Files = (InvExportFiles)

To create a Credit Export:

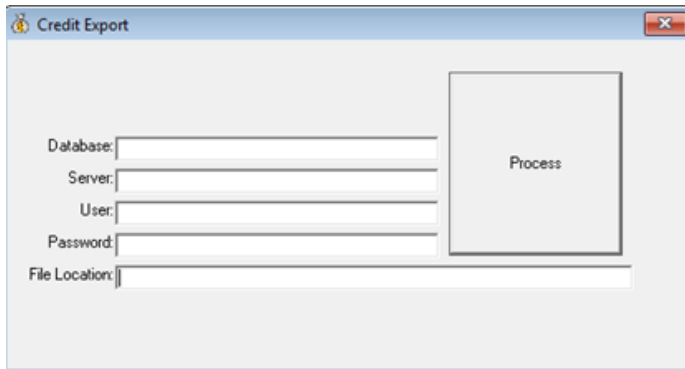
1. Open the Credit Export program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled fsCreditExport.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

2. The Credit Export program opens on your desktop, as shown below:



3. Complete the Credit Export screen as described below:

Field	Description
Database	Enter the actual database name (as defined to FactorSoft in the Control File in the Database Name field) from which to extract data.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
File Location	Enter the fully qualified folder location in which to create the extract file.

4. Click the **Process** button to execute the Export Credit program.

FIS Invoice Extract

The FIS Invoice Extract option allows you to export invoice records in a format for use with FIS Loan sub-system reporting tools. All open invoices are included in the extract file. On the day that an invoice is paid

to zero, the invoice is passed once more with a "0.00" FACT.AMOUNT and INV.AMOUNT. On the next extract, it is not included.

Click the link for "FIS Invoice Extract File Layout" on page 572.

To create the FIS Invoice Extract:

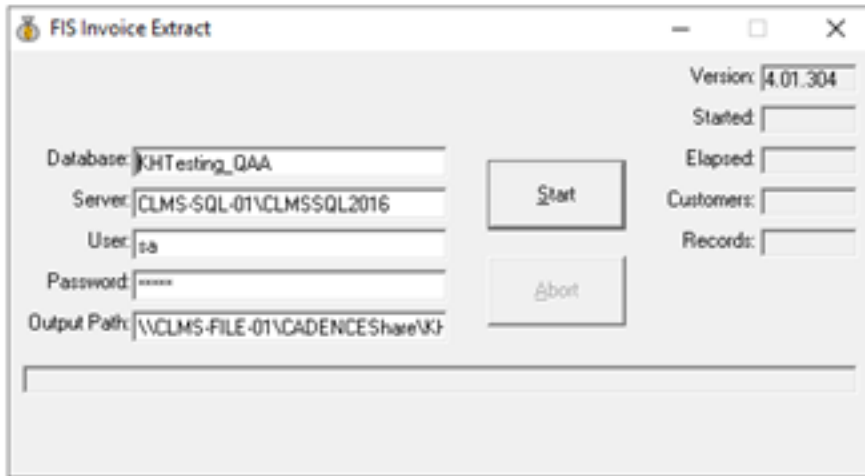
1. Open the FIS Invoice Extract program from the common FactorSoft directory.

NOTE

The common folder is typically C:\CLMS. The program is entitled FisInvoice_Extract.exe. It may be desirable to create a desktop shortcut to this program to make access to it more efficient.

If an older version of FactorSoft is being used, the path may be displayed as C:\FactorSoft or C:\CADENCE.

The FIS Invoice Extract program opens on your desktop, as shown below:



2. Complete the FIS Invoice Extract screen as described below:

Field	Description
Database	Enter the actual database name (as defined to FactorSoft in the Control File in the Database Name field) from which to extract invoice data.
Server	Enter the database server name.
User	Enter the database admin user-id for database access.
Password	Enter the password for database access.
Output Path	Enter the fully qualified folder location in which to create the extract file.
Start	Click this button to generate the extract file.
Abort	Click this button to stop the extract process once started.

Field	Description
Version	Displays the version number of the FIS Invoice Extract program.
Started	Displays the time that the current extract was started.
Elapsed	Displays the time elapsed thus far in an executed extract.
Customers	Displays the number of debtor records accessed thus far in an executed extract.
Records	Displays the number of invoice records written to the extract file thus far in an executed extract.

3. Click the **Start** button to execute the FIS Invoice Extract.

System Preferences

The following system preferences for this export are found in the Administration module, System Preferences, **Identification/system constants, Interface parameters, FIS Invoice Extract** folder.

Preference	Description
Account number for factoring fee	Enter the account number to be used for the factoring fee.
Account number for insurance fee	Enter the account number to be used for the insurance fee.
Debtor group value used for collateral type	Enter the Debtor Group code to be used for the extract.
Debtor group value used for HO classification	Enter the Debtor Group code to be used for the extract.
Debtor group value used for risk rating	Enter the Debtor Group code to be used for the extract.

FIS Invoice Extract File Layout

The FIS Invoice Extract creates a text file named **FS_IBS-LN_YYYYMMDD_nn**, where **YYYYMMDD** is the current processing date and **NN** is the batch number:

Name	Format	Length	Mandatory or Optional	Description
CUSTOMER.ID	Numeric	10	Mandatory	Client number associated with

Name	Format	Length	Mandatory or Optional	Description
				the invoice Client number must be an existing customer in FIS IBS/CIS
INV.CUSTOMER.ID	Numeric	10	Mandatory	Debtor code for the invoice Debtor number must be an existing customer in FIS IBS/CIS
INV.NUMBER	Numeric	16	Mandatory	Invoice Number FactorSoft provides unique invoice numbers for a client on the file coming to FIS
CURRENCY	Numeric	3	Mandatory	Valid ISO currency code (numeric) 840 = US Dollar
FACT.AMOUNT	Numeric	16(2)	Mandatory	Amount to be used on discount contract. Invoice Amount minus fee rate or expenses.
INV.AMOUNT	Numeric	16(2)	Mandatory	Amount to be used on discount contract. Invoice Amount minus fee rate or expenses. Numeric with two decimal places. Decimal separator is the dot (.) The file contains a row when the invoice amount becomes 0.
VALUE.DATE	Numeric	8	Mandatory	Invoice Issue Date. YYYYMMDD.
MATURITY.DATE	Numeric	8	Mandatory	Invoice Due Date. YYYYMMDD.
DRAWDOWN.ACCOUNT	Numeric	16	Mandatory	Checking account number where purchase funds are deposited (could also be an internal account of the bank). Must be an

Name	Format	Length	Mandatory or Optional	Description
				existing account in FIS Client Bank Relationship Account in FactorSoft.
INTEREST.RATE	Numeric	11(5)	Mandatory	Interest applied to the discount amount to calculate interest amount. Advance Rate in FactorSoft.
PRIN.LIQ.ACCT	Numeric	16	Mandatory	Checking account number where invoice-payment funds are deposited. It could also be an internal account of the bank. Must be an existing account in FIS. Client Bank Relationship Account in FactorSoft.
INT.LIQ.ACCT	Numeric	16	Mandatory	Typically the same account as the DRAWDOWN.ACCOUNT. It could also be an internal account of the bank. Must be an existing account in FIS. Client Bank Relationship Account in FactorSoft.
ESCROW ACCT	Numeric	16	Optional	Account used to account difference between invoice and discount amount. Must be an existing account in FIS. Reserve Account at Client Bank Relationship Account in FactorSoft (Optional)
RESERVE.AMOUNT	Numeric	16(2)	Optional	Amount escrowed for invoice.
MISC Debtor Group #1	Alphanumeric	5	Mandatory	Debtor Group 1

Name	Format	Length	Mandatory or Optional	Description
MISC Debtor Group #2	Numeric	3	Mandatory	Debtor Group 2
L.DESCRPTION	Alphanumeric	25	Optional	Free-form transaction description. FactorSoft passes blanks.
MISC Debtor Group Code #3	Alphanumeric	35	Optional	Debtor Group 3
PAST.DUE.FEE.CODE	Numeric	3	Optional	Cushion fee. 30 (Cushion Fee) or blank. Code used from Due Date Fees, if applied.
PAST.DUE.FEE.AMT	Numeric	10(2)	Optional	If PAST.DUE.FEE.CODE = 30, this field contains the fee to be applied in order to calculate Purchase Price. Otherwise zero-filled. FactorSoft fee from Due Date fees for invoice
FACTORING.FEE.CODE	Numeric	3	Optional	Factoring Fee Code. 31 (Servicing Fee) or blank. Purchase Fee Code from Extra Fees
FACTORING.FEE.AMT	Numeric	10(2)	Optional	If FACTORING.FEE.CODE = 31, this field contains the fee to be applied in order to calculate Purchase Price. Otherwise zero-filled. FactorSoft Purchase Fee from Extra Fees. For this field to be populated into the extract file, the appropriate account number must be

Name	Format	Length	Mandatory or Optional	Description
				entered in System Preference Identification/system constants , Interface parameters, FIS Invoice Extract, Account number for factoring fee.
INSURANCE.FEE.CODE	Numeric	3	Optional	Insurance fee code. 32 (Insurance Fee) or blank. Insurance Code from Purchase Expense.
INSURANCE FEE.AMT	Numeric	10(2)	Optional	If INSURANCE.FEE.CODE = 32, this field contains the fee to be applied in order to calculate Purchase Price. Otherwise zero-filled. FactorSoft Insurance Fee from Purchase Expense For this field to be populated into the extract file, the appropriate account number must be entered in System Preference Identification/system constants , Interface parameters, FIS Invoice Extract, Account number for insurance fee.
BATCH.NO	Numeric	5	Optional	FactorSoft batch number
CLIENT TAX ID	Numeric	9	Mandatory	Client TAX ID - from Client Information Identity Panel
DEBTOR TAX ID	Numeric	9	Mandatory	Debtor TAX ID - from Debtor Information Identity Panel
BRANCH ID	Alphanumeric	20	Mandatory	Office Code - from Client Information Control Panel
LENDER	Alpha	12	Optional	Account Executive from Client

Name	Format	Length	Mandatory or Optional	Description
				Information - Control Panel
INTEREST AMOUNT (one day's accrual)	Numeric	11(5)	Mandatory	<p>Interest amount based on Interest Rate and the Outstanding Invoice Balance. Not stored in FactorSoft.</p> <p><u>Calculation:</u></p> <p>IntAmt = 0</p> <p>If FeeRate <> 0 Then</p> <p>DueDate = DateAdd("d", .DaysDue, .InvDate)</p> <p>Days = DateDiff("d", PostDate, DueDate)</p> <p>If Days <> 0 Then IntAmt = objFixAmt.FixAmt(.InvAmt * FeeRate * Days / 36000)</p> <p>End If</p>

FactorSoft and the Lending Solutions Service Portal

FactorSoft and the Lending Solutions Service Portal provides access to technical support, product documentation, eLearning, as well as historical support ticket information. It is through this portal that service tickets may be entered for all Lending Solutions products. [The Lending Solutions Service Portal](#) offers three levels of security:

- **Level 1 Service Portal Users** may open and view tickets they themselves have entered, but they cannot view tickets opened by other users.
- **Level 2 Service Portal Users** may open cases and view any case opened under their Financial Institution, regardless of who opened the case.
- **Level 3 Service Portal Users** are considered administrative users. These users may open cases, view all company cases, and maintain other Service Portal user's credentials. Level 3 admin users also receive all client-facing communications, including service level updates and product updates.

Authorized portal contacts may also open a technical support case by emailing the Lending Solutions Service Desk at LS-Help@Profitstars.com.

NOTE

Service tickets must be opened through the Lending Solutions Service Portal. Tickets opened for support through the JHA For Clients portal will not be answered in a timely manner and will result in significant delays in response time.

LENDING SOLUTIONS

ProfitStars > Lending Solutions > Commercial Lending Center Suite > Support

Commercial Lending Center Suite

Products

Loan Origination

Decision Automation

Portfolio Management

Mobile

BusinessManager

FactorSoft

LendingNetwork

Lending Solutions Support

The Service Desk is monitored from 7:00 a.m. - 7:00 p.m. U.S. Central Time on weekdays. After-hours emergency support requests must be submitted by phone at +1 800-365-4091.

News & Updates

Holiday Reminder - ProfitStars will be closed Monday, January 20, in observance of the Martin Luther King Holiday (MLK Day). After-hours Emergency Support remains available. Non-emergency issues will be reviewed the following business day.

Service Portal

Email

Password

Login

Index

A

AccPac/Sage ERP See Exports, GL Exports

Aging File See Exports, Credit Data

AIMs Export See Exports, Credit Data

AmSouth Summary See Exports, GL Exports

Automatic Check Interface See Check and Wire Interfaces

B

Bank of America Interface See Check and Wire Interfaces

Bank of Oklahoma Interface See Check and Wire Interfaces

C

Check and Wire Interfaces 260

- Automatic Check Interface 262
- Bank of America Interface 202, 270, 347, 393, 402, 411, 429, 485, 488
- Bank of Oklahoma Interface 282
- Check Report Writer 539
- Comdata Express Interface 333
- EFS Interface 341
- EFS/TS Interface 343, 345, 387
- FIS ConnectWare Interface 356, 359, 537
- FleetOne Interface 263, 269, 284, 293, 313, 337, 339, 366–367, 380, 436, 461

Jack Henry Federal Wire Interface 374

Loves Express (LEX) Fuel Card Interface 385

NACHA ACH/CCD Interface 413

NACHA ACH/PPD Interface 421

RBS Citizens Bank Wire Interface 431, 434

Setup 260

UMB Wire Interface 492, 495, 500, 531

Check Report Writer See Check and Wire Interfaces

Comdata Express Interface See Check and Wire Interfaces

CoreLogic/Compunet Extract See Exports, Credit Data

D

Database Table Exports See Exports

Debtor Credit Export See Exports, Credit Data

DNBi Data Import 147

Dun & Bradstreet Extract See Exports, Credit Data

E

EDI Exports 195

EDI Imports and Exports

- EDI 210 Freight Payment Requests 148

- EDI 855 Credit Decision 196

- EDI 870 Credit Request Decision 169

EFS Interface See Check and Wire Interfaces

EFS/TS Interface See Check and Wire Interfaces

Experian Data Extract See Exports, Credit Data

Exports

Credit Data 125

AIMs Export 129

Credit Response 130

Credit Response Layout 133

CoreLogic/CompuNet Extract 134

Credit Data

Smyyth Group Layout 138, 243

Debtor Credit Export 136

FN Credit Exchange 140

Dun & Bradstreet Data Extract 141

Experience Reporting File Elements 45,
146

File Elements 44, 145

Export Aging File 126

Export List 2

FIS Invoice Extract 245, 569

File Layout 247, 572

System Preferences 247, 572

GL Exports

AccPac/Sage ERP 63, 71, 106

AmSouth Summary 109

FIF3 Export 111

FLEXI Accounting 112

Jack Henry Silverlake (GLWRKT) 59

JD Edwards Detail 114

JD Edwards Summary 113

MAS 90 Export 115

PeopleSoft GL JGEN 66, 73, 85, 94, 100

QuickBooks GL Interface 119

QuickBooks Online Work File 122

Sage 100 ERP 122

Simply Accounting 123

Symitar 62

Interagency Loan Data Export 184

Oracle Detail Accounting 115

Exports CBS Bancware Extract 545, 547, 549, 551,
553, 555, 557, 560, 562, 566, 568

F

FIF3 See Exports, GL Exports

FIS ConnectWare Interface See Check and Wire
Interfaces

FIS Invoice Extract See Exports

FleetOne Interface See Check and Wire Inter-
faces

FLEXI Accounting See Exports, GL Exports

FN Credit Exchange See Exports, Credit Data

G

GL Export Facility See Exports, GL Exports

I

Interagency Loan Data Export See Exports, GL
Exports

J

Jack Henry Direct DDA Interface See Check and Wire Interfaces

Jack Henry Federal Wire Interface See Check and Wire Interfaces

Jack Henry Silverlake See Exports, GL Exports

JD Edwards Export See Exports, GL Exports

L

Loves Express (LEX) Fuel Card Interface See Check and Wire Interfaces

M

MAS 90 Export See Exports, GL Exports

N

NACHA ACH Interface See Check and Wire Interfaces

O

Oracle Detail Accounting See Exports, GL Exports

P

PeopleSoft GL JGEN Export See Exports, GL Exports

Q

QuickBooks GL Interface See Exports, GL Exports

QuickBooks Online Work File See Exports, GL Exports

S

Sage 100 ERP See Exports, GL Exports

Scheduling

Legacy Reports

Templates Tab 180

U

UMB Repetitive Wire Interface See Check and Wire Interfaces

UMB Wire Interface See Check and Wire Interfaces