Consolidator

Overview	1
Starting the Converter and Integrator Ut	tilities1
Understanding the Layout of the Captur Window	re Tab on the Integrator 2
Understanding the Layout of the Encod Integrator Window	e/Export Tab on the 3
Understanding the Layout of the Except Integrator Window	tions Tab on the 4

Consolidator

Overview

The Consolidator module aids RemitTrac customers in processing work from Remote Sites. The Consolidator module is comprised of the Converter and the Integrator. These two functions work together to import external image and data files (Batch Set of Files) from the Remote Site into RemitTrac.

The Converter module initiates the process for Remote Sites to provide Batch files to RemitTrac. The Converter reads files from a specified 'Landing Zone' that has been defined in the Remote Site Setup in Site Setup and converts them to a standardized set of format input files that can be read by RemitTrac.

The Integrator module ingests specific format files and places corresponding entries for a batch in the RemitTrac database. The Integrator also logs messages about the communications and files being transferred between the Remote Site and the Host Processing Site (RemitTrac).

The Converter and Integrator do not have to reside on the same workstation. To set up the Consolidator module, including the Converter and Integrator, the Consolidator Configuration XML file must be defined and present in the system. For more information about the Consolidator Configuration XML file, please refer to the Consolidator Configuration section of the "XML Configurations" document in the *RemitTrac Setup Manual*.

NOTE: For the Integrator module to be running, the Integrator window must be active and displayed on the screen. If the Integrator window is closed, the Converter can continue running, but files will not be ingested into the RemitTrac workflow.

Starting the Converter and Integrator Utilities

The Converter and Integrator utilities can be started from the RemitTrac Application Utilities ribbon bar.

• To start the Converter and Integrator utilities

• From the RemitTrac Application Utilities ribbon bar, click the Converter and/or Integrator icon. Remember that these utilities are not required to reside on the same workstation.



Figure 1. Selecting the Consolidator Icons on the Utilities Ribbon Bar

Consolidator 1

The Converter will be started as a background task. When the Integrator is started, the **Integrator** window is displayed on the screen. The Integrator window is comprised of three tabs. Table 1 describes the tabs of the Integrator window.

Table 1. Tabs of the Integrator Window			
Element	Function		
Capture	Displays messages as messages are imported into RemitTrac		
Encode/Export	Displays messages about files that are passed between the Remote Site and RemitTrac		
Exceptions	Displays information about batches that failed the loading process into the RemitTrac system.		

Understanding the Layout of the Capture Tab on the Integrator Window

The Capture tab displays messages about batches as they enter RemitTrac and are integrated into the workflow processing.



Figure 2. Capture Tab

Understanding the Layout of the Encode/Export Tab on the Integrator Window

The Encode/Export tab displays messages about files that are passed between the Remote Site and RemitTrac. These files include Setup files and batch response files with updates about the batch in the RemitTrac workflow.



Figure 3. Encode/Export Tab

Understanding the Layout of the Exceptions Tab on the Integrator Window

The Exceptions tab displays a list of batches that failed the loading process into the RemitTrac system.

NOTE: Batches from previous work days will remain on the Exceptions list until an action is performed on the file or until they are removed through the Clean Up and Move process.

	Integrator				
	Capture Encode Exceptions				
	Filename	Batch Sys Ctl	Process Date Site #	Reason	
Batch Exception – List		001000002_12	US72072012 10000002	Bach aleady exists	
Refresh Command —	Exception Details Filename: B_001000000 Exception date: 03/27/2012 1	2_12XML 90213	Elefresh exceptions Actions Re-process file Remove file		Actions
Exception Details	Batch Sys Dit 0010000002_ Process date: 03/26/2012 Reason code: 2 Reason text:	2 Site #: 10000002	Force into test cutoff Force into rest day's first <u>Apply ect</u>	cutoff	

Figure 4. Exceptions Tab

Table 2 describes the elements of the Exceptions tab.

Table 2. Elements of the Exceptions tab			
Element	Element Function		
Batch Exception List	List of batches that failed the loading process. Includes batch file name, system control number, process date, site number at which the batch was captured, and reason for the failure.		
Refresh Command	Command to refresh the Batch Exception list		

Table 2. Elements of the Exceptions tab (continued)			
Element Function			
Exception Details	Displays details about the batch. Includes the following:		
	Filename: Name of the batch file		
	Exception date : Date and time on which the exception occurred		
	Batch Sys Ctl: RemitTrac batch number		
	Process Date: Date on which the batch was captured		
	Reason Code: Code that describes why the batch failed		
	Reason Text: Text to describe why the batch failed		
Actions	Commands to try to rectify the exception error.		
	Re-process file – attempts to resend the file through the converter and integrator correctly		
	Remove file – removes from exception directory to bad directory		

Table 3 describes the exception codes that occurred when the batch entered the Integrator module. These exceptions are recoverable issues and can be rectified without resubmitting the batch at the Remote Site.

Table 3. Recoverable Exception Codes by the Integrator			
Exception Code	Description		
1	Batch was not registered		
2	Batch already exists, is not marked as deleted and contains items		
3	Batch is past cutoff		
4	Batch is past cutoff and the lockbox does not allow forcing cutoff on current day or first cutoff of next day		
5	Batch contains an item type that was not allowed by the lockbox or form(s)		
6	Database error (does not include loss of connection)		
	Check the RemitTrac event logger for details		
7	Not enough free space on Image Server. This immediately stops all processing		
8	A processing file (FCI, RCI) is missing		
21	Could not find lockbox		
22	Could not find parent lockbox		
23	Could not find bank		

Consolidator 5

Table 3. Recoverable Exception Codes by the Integrator (continued)			
Exception Code	Description		
24	Could not find parent bank		
31	Could not find Retail Form		
32	Could not find Item Processing Form		
33	Could not find Data Entry form		
34	Could not find external form		
200	Lost connection to database		

Table 4 describes exception codes that occurred when the batch entered the Integrator module. These exceptions are non-recoverable issues and must be rectified through action by the Remote Site.

Table 4. Non-Recoverable Exception Codes by the Integrator			
Exception Code	Description		
1001	Corrupt file (e.g., XML cannot be parsed_		
1011	Header Remittance counts do not match actual number of Remittances		
1012	Header Scandoc counts do not match actual number of Scandocs		
1013	Header Payment counts do not match actual number of Payments		
1051	Image files can't be moved to Image Server- Access denied		
1501	Encode Response file generation failed – Batch deleted		

Table 5 describes exception codes that occurred when the batch entered the Converter module. These exceptions are non-recoverable issues.

Table 5. Non-Recoverable Exception Codes by the Converter			
Exception Code	Description		
2001	Conversion error(s)		
2021	Image file can't be created in Consol_In directory because there is not enough free space		
2022	Image files can't be created in Consol_In directory- Access denied		
2031	Extracting ZIP package failed – not enough free space		
2032	Extracting ZIP package failed – Invalid password		
2033	Exctracting ZIP package failed – File is corrupt		
2041	Missing a processing file (e.g., missing an image, missing "index" file)		

6 RemitTrac Workflow Manual

Table 5. Non-Recoverable Exception Codes by the Converter (continued)		
Exception Code	Description	
2052	Encryption failed – missing key from database	
2061	Decryption failed – not enough data	
2062	Decryption failed – invalid key	

▶ To Re-process a Batch file

- 1. From the **Actions** area, select Re-process file.
- 2. Select the <u>Apply action</u> command.

		tegrator			
	Capture Encode Exceptions				
	Filename	Batch Sys Ctl	Process Date Site #	Reason	
	B_001000002_12×ML	001000002_12	03/26/2012 1000000	2 Batch already exists	
			Refresh exceptions		
alaat Ba Braaaaa	Exception Details		Elefresh exceptions	7	
elect Re-Process	 Exception Details Filmener B_0010000000_10 	2294	Refresh exceptions		
lect Re-Process file	Exception Details	2008 213	Refresh exceptions Actions Re-process file Remove file		
elect Re-Process file	Exception Details Exception details Exception date: 03/27/2012 19:02 Back Swith: 0000000001 12	2 794, 213	Actions Actions Reprocess file Remove file Processing task output	í	
elect Re-Process file	Exception Details Filename B_0010000000_11 Exception det 03/27/2012 19:02 Batch Sys Cit: 00100000002_12 Batch Sys Cit: 00100000002_12	2004. 213 50. # 1000000	Refresh exceptions Actions Re process file Free into last curio	f.	
elect Re-Process file	Exception Details Filenames B_0010000000_13 Exception dete: 03/27/2012 19:02 Batch Sys Dtt: 0010000002_12 Process det: 03/26/2012	2304L 213 Site #: 1000002	Befresh exceptions Actions Reprocess file Remove file Face into last cutol Face into next day	ff.	
elect Re-Process file	Exception Details Elsevenic D_00000000_14 Exception date: 03/27/2012 19.02 Batch Sys Dit: 0010000002_12 Process: date: 03/26/2012 Bearon.code: 2	2194. 213 Silve #: 10000002	Entresh exceptions Actions Perpoces file Perpoces file Face into lest cutol Face into rest day Actions	if a frat cutoff by action	
elect Re-Process file then select Apply Action	Exception Details Flemme 5_00000000_14 Exception dete: 03/27/2012 1902 Batch Sys Cit: 001000000_12 Process dete: 03/26/2012 Reason code: 2 Reason test:	2344 13 Sile #: 1000002	Eleftesh exceptions Actions Re process file Remove file Fooce into last cuida Fooce site next day	if & first Cutoff #y action	
elect Re-Process file then select Apply Action	Exception Details Florence 9_000000000_12 Exception date: 03/27/2012 10:00 Bach Sys Dtt: 0010000002_12 Process date: 03/26/2012 Reason text:	23444 113 Sike #: 10000002	Refresh exceptions Actions Respoces Re Remove Re Force into list cutol Force into rest day App	if 5 first cutoff 4 y action	
elect Re-Process file then select Apply Action	Exception Details Exception Details Exception date: 03/27/2012 19:02 Batch Sys Ott: 0010000002_12 Process date: 03/26/2012 Beaton code: 2 Reason text:	2:34 2:13 Site #: 10000002	Refreth exceptions Actions Reprocess file Face into last cutol Face into last cutol Face into rest day	If . 5 first cutoff by action	

Figure 5. Select Re-Process File

The following message will be displayed.

Integrat	or	
?	Are you sure you want to re-process the sele	cted file?
	Yes No	

Figure 6. Re-process Confirmation Message

3. Select $\underline{\mathbf{Y}}$ es to re-process the selected file.

-or-

Select \underline{No} to leave the file in the Exceptions list.

• To remove a batch file

- 1. From the Actions area, select Remove file.
- 2. Select the **<u>Apply</u> action** command.

	Filename	Batch Sys Ctl	Process Date	Site #	Reason
	8_0010000002_12:XML	0010000002_12	03/26/2012	1000002	Batch already exists
			Befresh exceptions		
	/ Exception Details		Befresh exceptions		
Salaat Romaya	Exception Details Filename: B_0010000002_12>ML		Befresh exceptions Actions O Re-pro	cess file	
Select Remove	 Exception Details Filename: B_0010000002_12×ML Exception date: 03/25/2012_13.02.13 		Actions Actions Re-pro	icess file re file	
Select Remove file	Exception Details Filename: B_0010000002_12>ML Exception date: 00/27/2012 13.02_13 Batch Sys Cit: 0010000002_12		Actions C Re-pro Remov C Force J	cess file ve file into last cutoff	
Select Remove file	Exception Details Filename: B_0010000002_12:XML Exception date: 60/27/2012_13.02_13 Batch Sys Cit: 0010000002_12 Process date: 03/26/2012	Site #: 10000002	Actions Actions O Re-pro Remov Force I	cess file re file into last cutoff into next day's first o	cutoff.
Select Remove file	Exception Details Filename: B_0010000002_12:XML Exception date: 63/27/2012 13.62.13 Batch Sys CII: 0010000002_12 Process date: 03/26/2012 Beaton code: 2	Site #: 1000002	Actions Actions Repro- Remov Force I	cess file re file into last cutoff into next day's first o Apoly activ	cutoff.
Select Remove file then select Apply Action	Exception Details Filename: B_0010000002_12>ML Exception date: 60/27/2012 13:02-13 Batch Sys Cht: 0010000002_12 Process date: 03/26/2012 Reason code: 2 Reason text	Site #: 10000002	Befresh exceptions Actions Repro Remov Force I	cess file ve file into last cutoff into next day's first of Apply actio	cutoff.

Figure 7. Select Remove File

The following message will be displayed.

	X
selected file will be moved to the Consol_In\Bad subdirectory.Are you sure you want to remove	the selected file?
	elected file will be moved to the Consol_In\Bad subdirectory.Are you sure you want to remove

Figure 8. Remove Confirmation Message

4. Select $\underline{\mathbf{Y}}\mathbf{es}$ to remove the selected file.

-or-

Select $\underline{N}o$ to leave the file in the Exceptions list.