

COMSUITE Conversion Tool

Version 2.5

User Guide

Document Version 2.5



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Revision History

S/N	Version	Date	Name	Release Notes
1	1.00	19 Oct 2011	Kay	Prepare the first version based on the BTMU-MAGIC V3.16 User Guide
2	2.00	25 Mar 2013	Yu Ka Chun	Revised for CARROT support and 64-bit OS compatibility
3	2.10	26 Mar 2015	K K Fong	Revised for New BTMU Logo, Common Template Setup, Mapping Calculation, String Manipulation and negative value export
4	2.20	22 Oct 2015	Alex Wong	Update Section 2.5.6, 2.6.5, 2.7.5
5	2.30	15 Mar 2016	Alex Wong	Update version number
6	2.32	17 May 2016	Yu Ka Chun	Update Section 6.13 for GCMS Plus enhancement
7	2.4	14 Feb 2018		Name Change
8	2.5	20 Oct 2018	Morris TAM	Update ACMS messages

Overview

COMSUITE Conversion Tool is an intelligent file conversion tool, designed to help customers of MUFG Bank's Cash Management Services to convert their payment file into specific MUFG Bank file formats, so it can be easily uploaded to the target CMS systems in a particular Branch Country and sent to MUFG Bank for further process.

COMSUITE Conversion Tool conversion tool will convert customer payment data from file format such as:

- Text (.txt)
- Excel (.xls/.xlsx)
- Comma Separated Values (.csv)
- SWIFT
- Unstructured Text

to the following MUFG Bank's CMS file formats:

- MUFG-GCMS Money Transfer
- VPS
- EPS
- iRTMS
- MTS (iFTS)
- MTS2 (iFTS-2)
- Bulk Payment
- CWS
- Mr. Omakase
- Mr. Omakase II
- GCMS Plus
- RTMS (Hong Kong)
- CARROT

Operation Flow

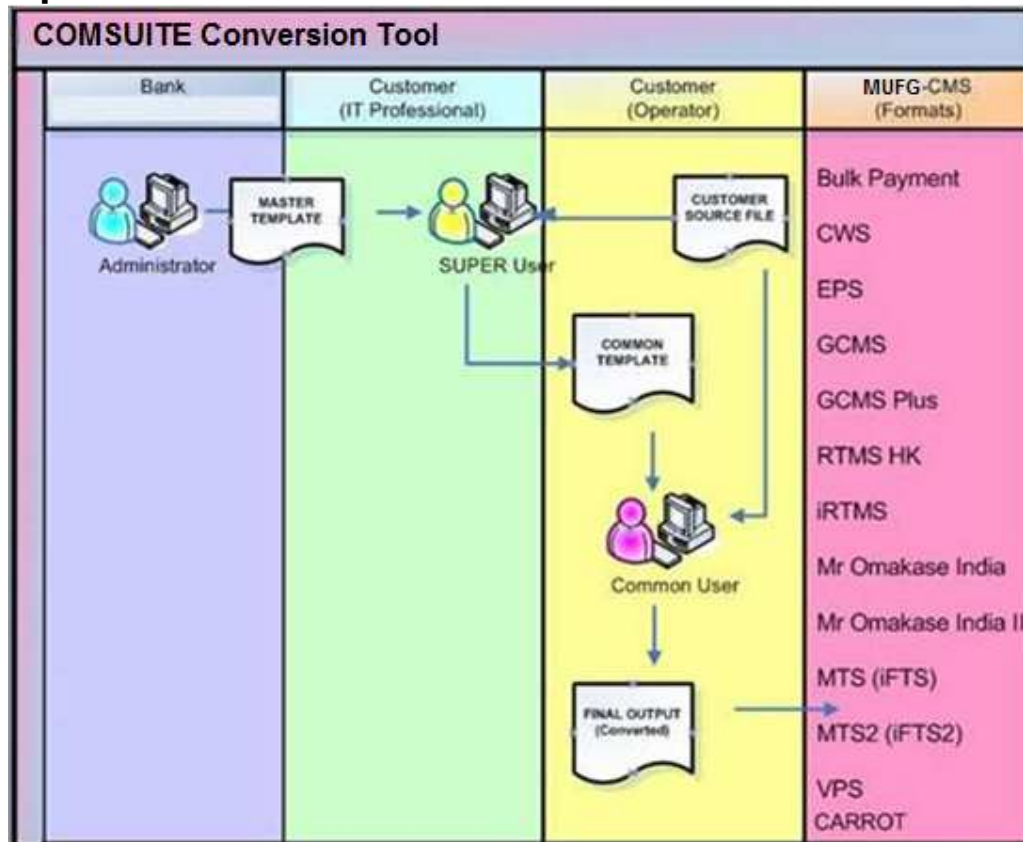


Figure 1 Overview of COMSUITE Conversion Tool Operation Flow

Terminology

S/N	Term	Description
1	MUFG Bank	MUFG Bank, Ltd.
2	GCMS	Global Cash Management Services
3	GCMS-MT	Global Cash Management Services Money Transfer
4	iFTS	internet Fund Transfer Services
5	MTS	Multi Thai Baht System
6	SOAPPL	Standing Order Application
7	iRTMS	internet Regional Treasury Management Services
8	VPS	Vendor Payment Services
9	CWS	Check Writing Services
10	EPS	Electronic Payment Services
11	RTMS	Regional Treasury Management System
12	CRC-32	Cyclic Redundancy Check Code (32 bits)
13	CMS	Cash Management Services
14	CARROT	Convenient Account Receivable Reconciliation Offline Tool

System Instruction

System Requirements:

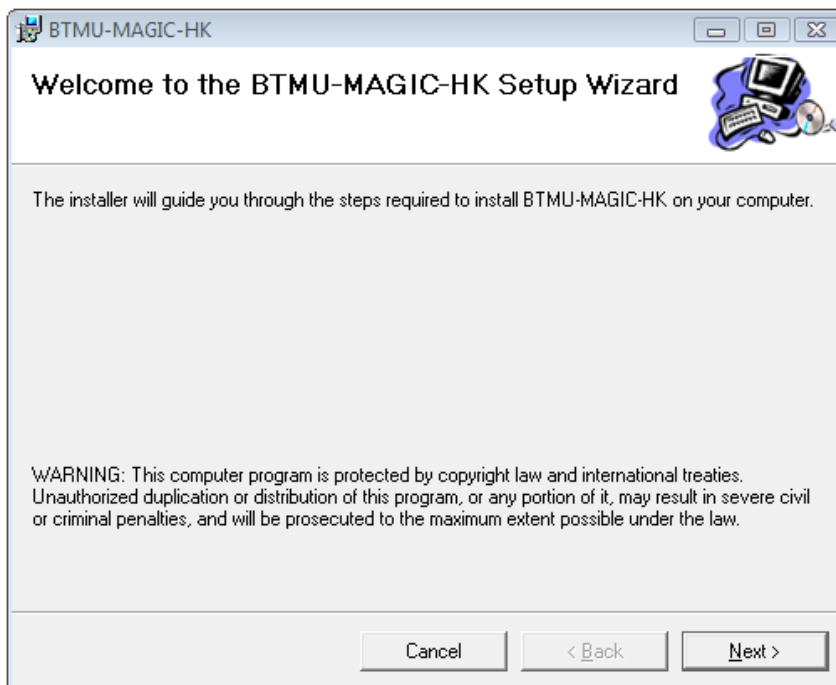
Components	Requirements
Operating System	One of the following: <ul style="list-style-type: none"> • Windows 2000 with Service Pack 4 • Windows XP with Service Pack 1a or above • Windows Vista (32 bits or 64 bits) • Windows 7 (32 bits or 64 bits)
Microsoft Office Application	<ul style="list-style-type: none"> • Excel 2002 with Service Pack 2 or 3 • Excel 2003 or Excel 2007 or Excel 2010
Web Browser for Online Help	<ul style="list-style-type: none"> • Recommended: Internet Explorer
Application Disk Space	<ul style="list-style-type: none"> • 200MB or more
Processor Speed	<ul style="list-style-type: none"> • 800 MHz Intel Pentium IV or higher
Memory	<ul style="list-style-type: none"> • 1 GB RAM or more
Installation Media	<ul style="list-style-type: none"> • CD-ROM Drive for installation
Screen Resolution	<ul style="list-style-type: none"> • 1024 x 768 or greater
*Data Access Component	<ul style="list-style-type: none"> • Office 2007 Data Access Engine (32 bits)

Note: COMSUITE Conversion Tool is a standalone system.

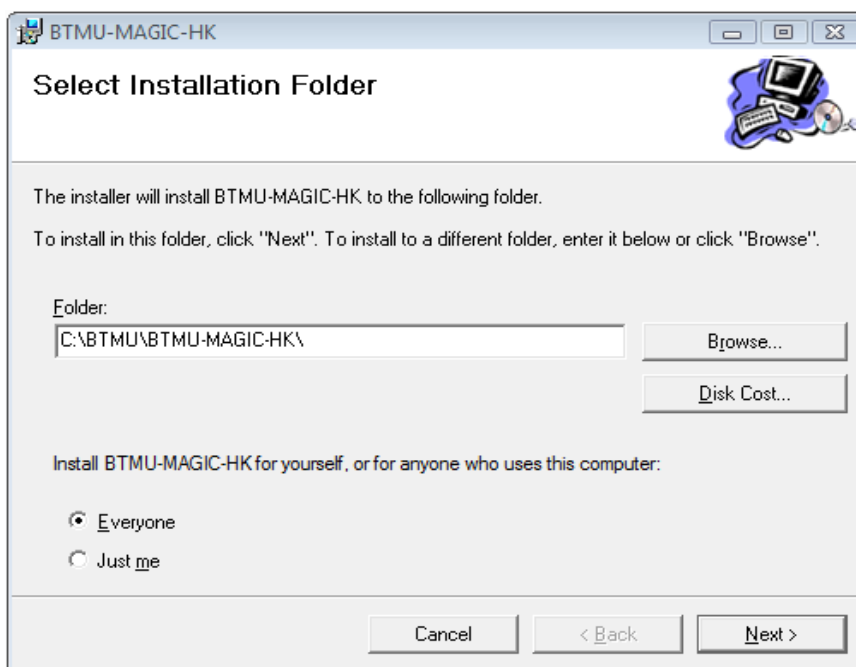
* required for the Excel 2010 64-bit or Excel 2003 SP3 installed users.

Installation of COMSUITE Conversion Tool

To install COMSUITE Conversion Tool Version 2.0, please insert the provided CD in the CD-ROM drive and click on the setup.exe file.



Installation of COMSUITE Conversion Tool Click on **Next >**



The default installation folder is **C:\BTMU\BTMU-MAGIC-HK**.

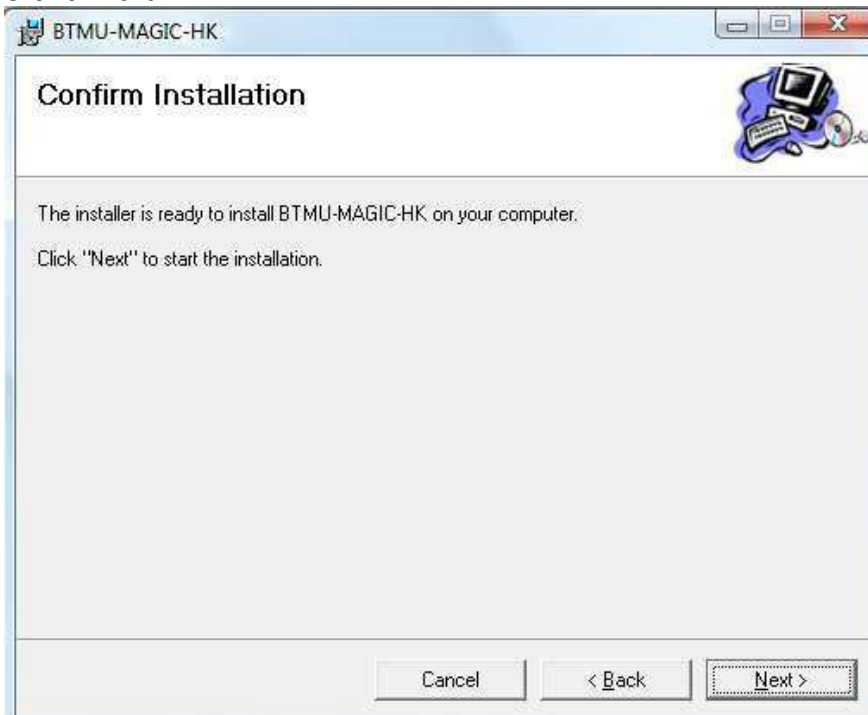
Ensure **Everyone** is checked.

Click on **Next >** to select the encryption method only when it is applicable.



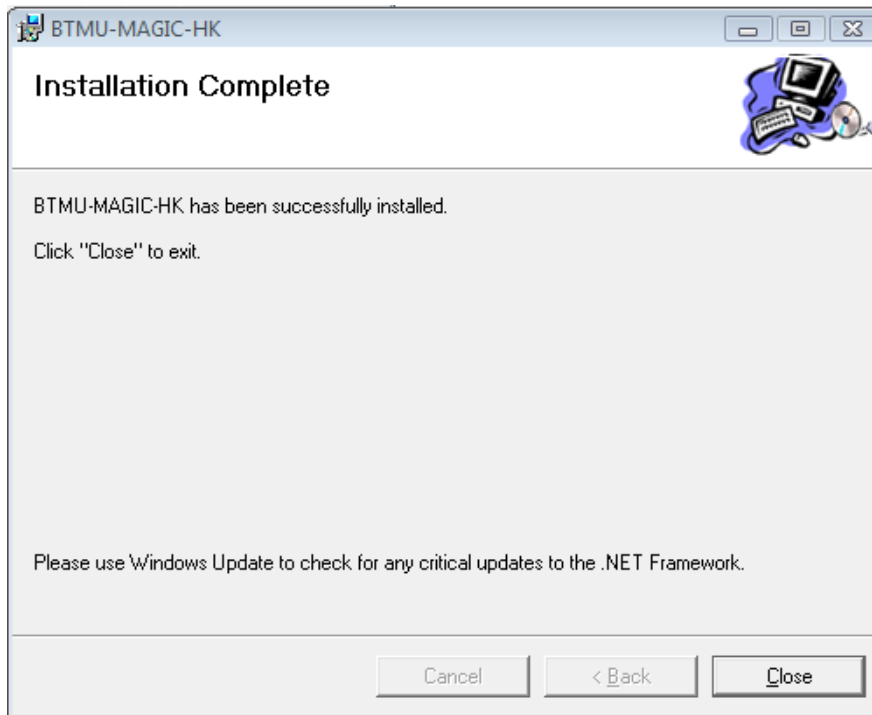
This step can be skipped if the installation is neither for Australia nor India.

Click on **Next >**



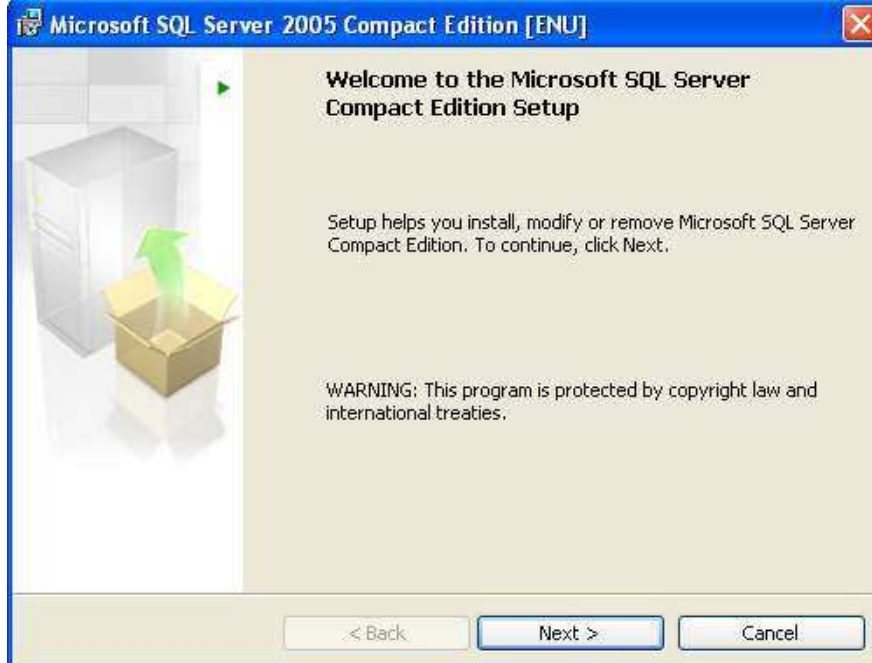
Confirm the installation to proceed.

Click on **Next >** to start the installation.



Installation Completed and click on **Close**.

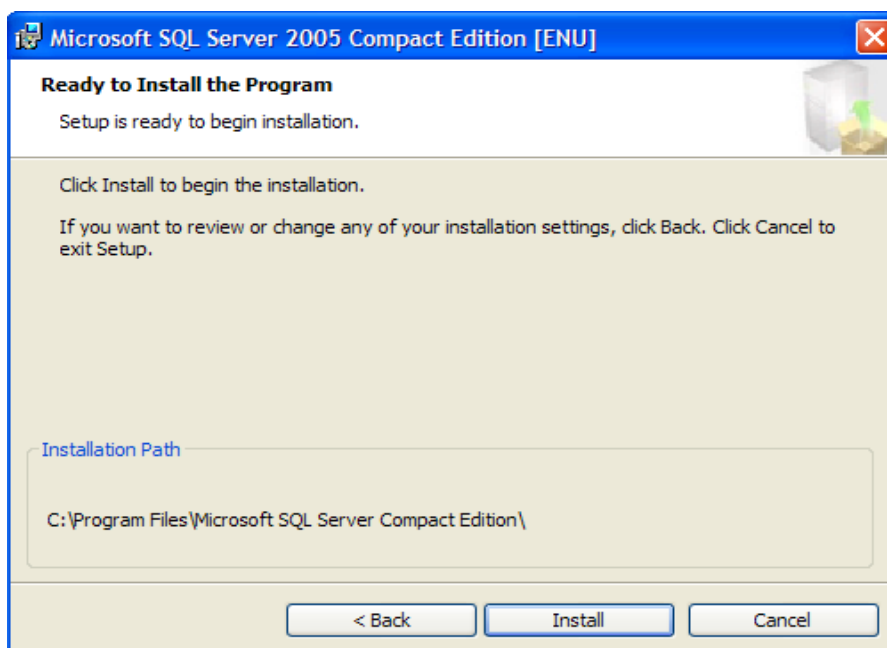
Microsoft SQL Server Compact installation will be automatically prompted.



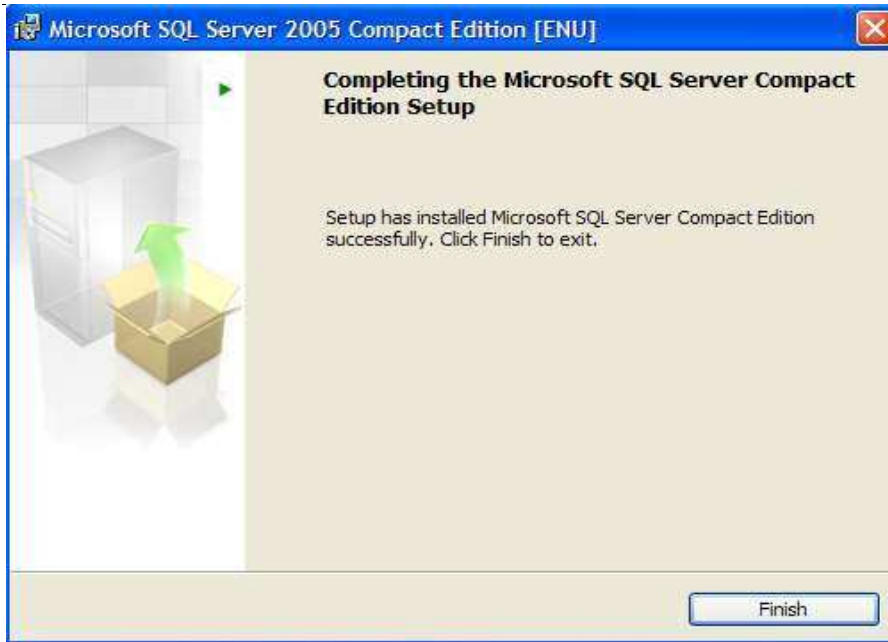
Click on **Next >** proceed.



Check the accept license agreement term and click **Next** to proceed.



Click **Install** > to continue with the installation.



Click **Finish** > to complete the SQL Server Compact installation.

The new COMSUITE Conversion Tool application shortcut icon will be created on the Desktop as well as in the Start\Program Menu\BTMU\BTMU-MAGIC-HK folder.



1. Getting Started

There are 3 types of users: **Administrator**, **Super User**, and **Common User**. Below is a list of user types and their access authorities:

User Type	Access Control List
Administrator	<ul style="list-style-type: none">• Login/Logout• View Online Help• View Activity Log (Current and Archive log folder)• Change Password• Reset password• Create Master Template• Create Common Template• Create Definition File for Unstructured File Conversion• Import Data from Excel Tool• View from DB• Quick Conversion Configuration Editor• Exit
Super User	<ul style="list-style-type: none">• Login/Logout• View Online Help• View Activity Log (Current log folder)• Change Password• Reset password• Create Common Template• GCMS Money Transfer Data Entry• Create Definition File for Unstructured File Conversion• Import Data from Excel Tool• View from DB• Quick Conversion Configuration Editor• Exit
Common User	<ul style="list-style-type: none">• Login/Logout• View Online Help• View Activity Log (Current log folder)• Change Password• Import Data from Excel Tool• View from DB• File Conversion - Quick Conversion• File Conversion - Manual Conversion• GCMS Money Transfer Data Entry• Exit

1.1 Login

Users are required to login to COMSUITE Conversion Tool application in order to use the system. Transparent login can be defined for **Common User**.

To login to the system, perform the following actions:

1. Run the application to display the login screen.

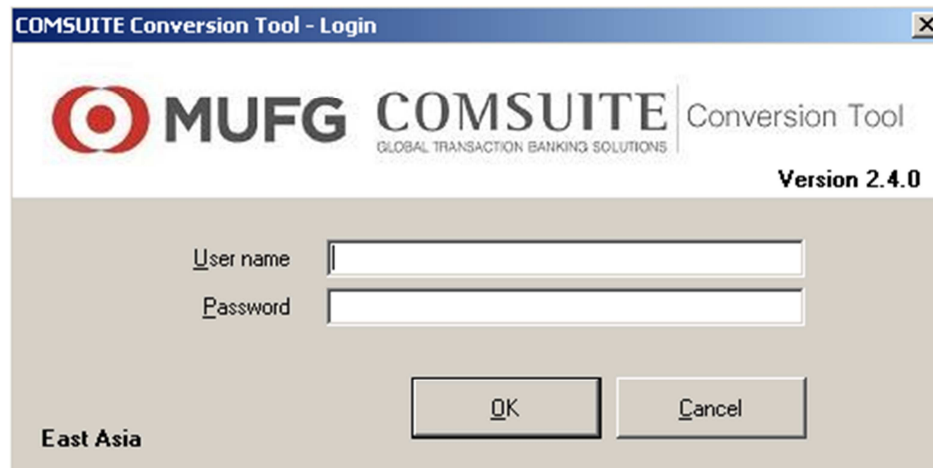


Figure 2 Login Screen

2. Enter **Super User/Common User ID** and **Password**, click **OK** button. System will verify the username and password. If the user is not an authorized user, system will reject the user sign in, but if the username and the supplied password are correct then the login will be successful.



Figure 3 About screen showing the COMSUITE Conversion Tool Version No.

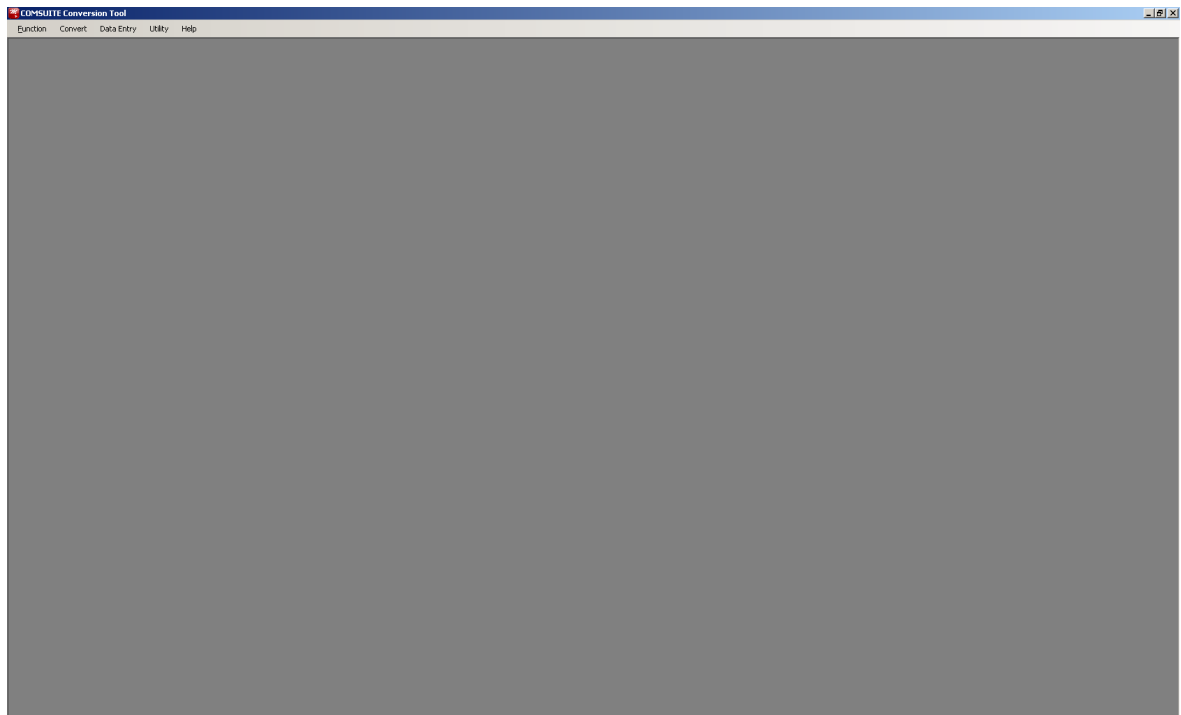


Figure 4 Main Screen after login by Super User

1.1.1 Transparent Login setting for Common Users

The MAGIC.XML file can be configured to allow the common user to directly login to COMSUITE Conversion Tool without having to specify a username and password.

<LoginMode>**false**</LoginMode>, user will be directly taken to the **common user** screen where he can either do quick conversion or manual conversion of the source file.

<LoginMode>**true**</LoginMode>, user will have to provide a username and password to login to COMSUITE Conversion Tool.

1.2 Log Out

To logout from **COMSUITE Conversion Tool**, perform the following actions:

1. Click **Function** menu.
2. Choose **Logout** from sub menu.
3. System will display confirmation **Are you sure you want to log out?**

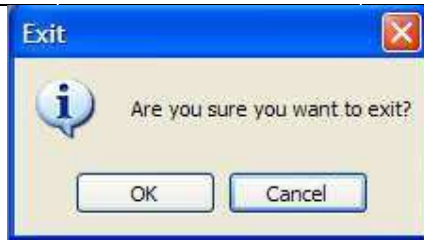


Figure 5 Logout Confirmation

4. Click **OK** button to logout from the application.

1.3 Exit from COMSUITE Conversion Tool

To **close** or **exit** from **COMSUITE Conversion Tool**, perform the following actions:

1. Click **Function** menu.
2. Choose **Exit** menu.
3. System will display confirmation **Are you sure you want to exit?**

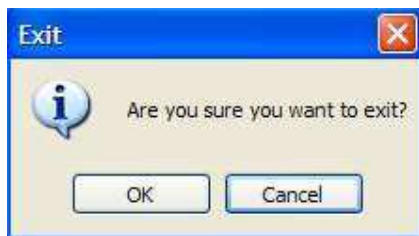


Figure 6 Exit Confirmation

4. Click **OK** button to close application.

2. Using COMSUIE Conversion Tool – Super User

The primary role of a Super User is to create Common Transaction Templates based on the Master Templates created by the Administrator. Each common template can accept a text file, a CSV file, an excel file, a SWIFT file, or an unstructured text file as the input source.

A Super User can also reset the password of the common user to the original password if required.

The following sections will explain in detail all the functionalities of the Super User.

2.1 View Activity Log

This function enables the Super User to view and print the activity log. COMSUIE Conversion Tool will create a daily activity log file that records current day's activities.

The following activities will be recorded in the daily activity log:

- Create Common Template,
- Modify Common Template,
- Disable Common Template,
- Convert Common Template,
- Convert SWIFT Transaction Template,
- Change Password, Reset Password,
- Create SWIFT Transaction Template,
- Modify SWIFT Transaction Template,
- Disable SWIFT Transaction Template.

Activity log files are stored under <INSTALLATION_FOLDER>\Log folder, and named in the format yyyyymmdd.dat.

To view an activity log, perform the following steps:

1. Click the **Function** menu, choose **View Activity Log** sub menu. COMSUIE Conversion Tool will display the “**View Activity Log**” screen.
2. You may choose the “**Date**” of the activity log and “**No. of Log File**” to view up to the date selected.

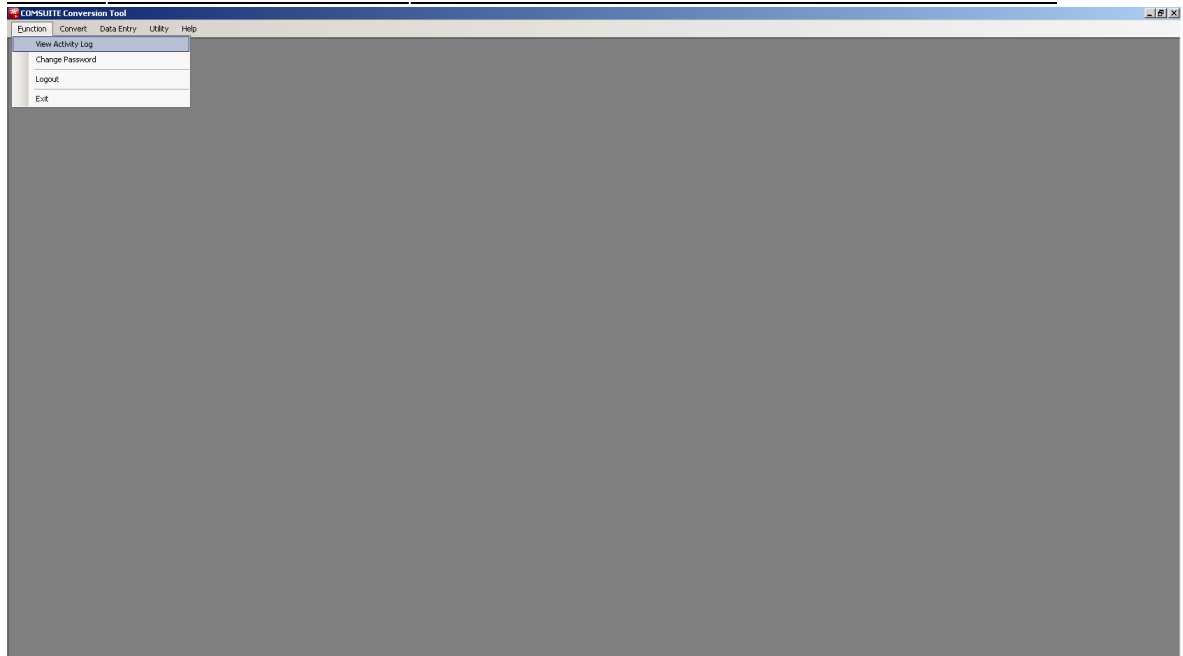


Figure 7 View Activity Log sub menu

3. Click on the **Display** button to display the log.

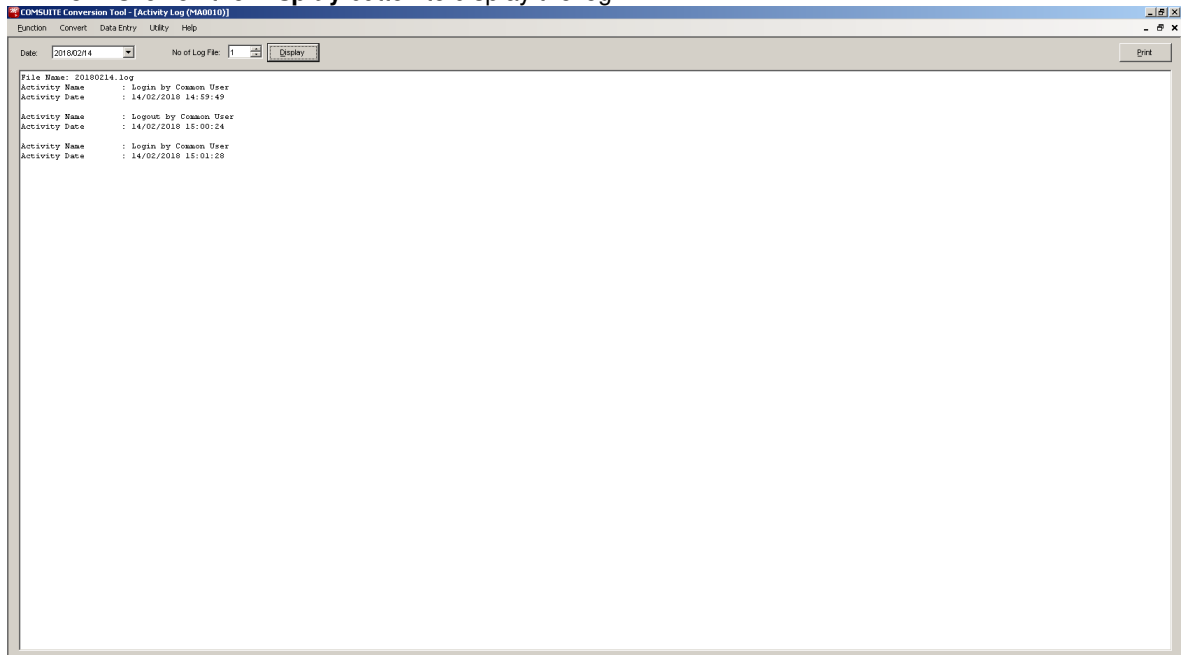


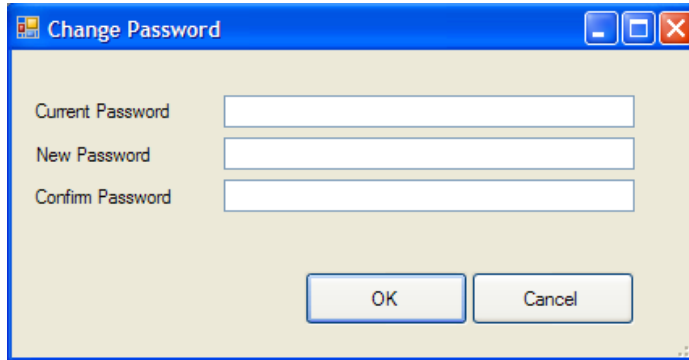
Figure 8 View Activity Log screen

4. To print the selected activity log, click on the **Print** button.

2.2 Change Password

This function allows the Super User to change password. To change the **super user** password, follow the following steps:

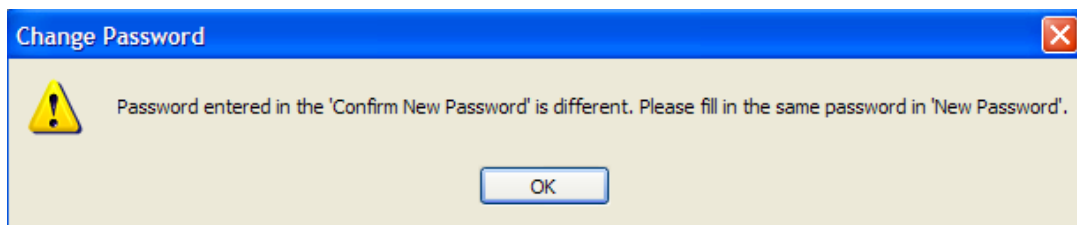
1. Click **Function** menu, choose **Change Password** sub menu. System will pop up a change password screen.



The dialog box titled "Change Password" has a blue header bar with standard window controls. It contains three text input fields labeled "Current Password", "New Password", and "Confirm Password". Below the fields are two buttons: "OK" and "Cancel".

Figure 9 Change Password

2. Fill **Current Password** text box with the **super user's** current password.
3. Fill **New Password** text box with the password you prefer, only the following characters are allowed 'A' – 'Z', 'a' – 'z', '0'-'9'.
4. Fill **Confirm New Password** text box with the same value as the **new password** text box.
5. Click **OK** button. System will display confirmation message "**Your Password has been changed**".
6. Click **Cancel** button to close **change password** form without changing the password.
7. In case, the passwords entered in **New Password** and **Confirm New Password** is different, the following message is displayed



The dialog box titled "Change Password" displays an error message. It features a yellow warning triangle icon on the left. The text reads: "Password entered in the 'Confirm New Password' is different. Please fill in the same password in 'New Password'". There is an "OK" button at the bottom center.

Figure 10 When "Confirm New Password" is different from "New Password"

2.3 Reset Password

For Common Users

This function enables the customer to reset current password to default password. COMSUITE Conversion Tool will not create a backup for the current password. The super user can only reset the password of the common users stored in the same PC.

The default password for the common user is: **password**.

To reset the current password of the common user to the default password, perform the following actions:

1. Choose **Function** menu and then **Reset Password** sub Menu. System will pop up a **Reset Password** screen.

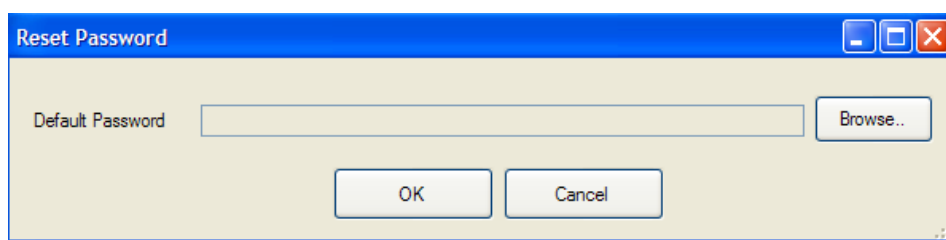


Figure 11 Reset Password

2. Browse to the default password file of the common user. This password file should be in a directory different from the current password folder <INSTALLATION_FOLDER>\ **Default**. Click **OK**.
3. A confirmation message will be displayed.

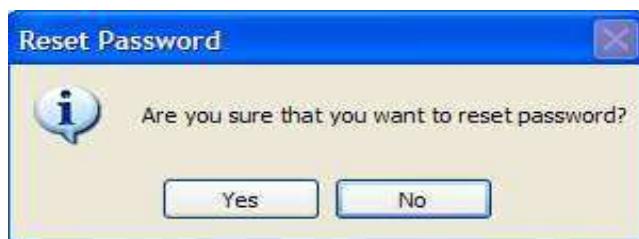


Figure 12 Confirmation to Reset Password

4. Click on **Yes** to reset the password of the common user to the default password. Click on **No** to cancel and keep the current password.



Figure 13 Password has been reset successfully

5. After resetting the password, clicking on OK button will log user out of the application and the user will need to log in to the application again.

For Super User

To reset the current password of Super User to the default password, do the following actions:

1. The customer should contact the Bank for assistance.
2. The Bank will send the Password file, pSuper.DAT to the customer.
3. Upon receipt of password file, **Copy** pSuper.Dat to
<INSTALLATION_FOLDER>/Default Folder to replace existing pSuper.DAT.
4. Click **Yes** to replace existing pSuper.DAT.



Figure 14 Click Yes to replace the existing file

2.4 Copy Master Template

Super User is able to copy the new Master Template to the default location using Windows file copy or other method. COMSUITE Conversion Tool expects all output templates to be located in a folder called **Master**, which is presented in the installation location of COMSUITE Conversion Tool.

Once Master Template has been copied over to the Master folder, the super user can now use the newly added Master Template to create Common Transaction Templates.

2.5 Generate a New Common Transaction Template for Text Files

This function enables the customer to generate and save a new Common Transaction Template. A Common Transaction Template forms a blueprint, which maps the customer's source file into the bank's predefined output file format.

To create a new Common Transaction Template, perform the following actions:

1. Click **Template** menu and choose **Generate Common Transaction Template** and then click **Text** sub menu.

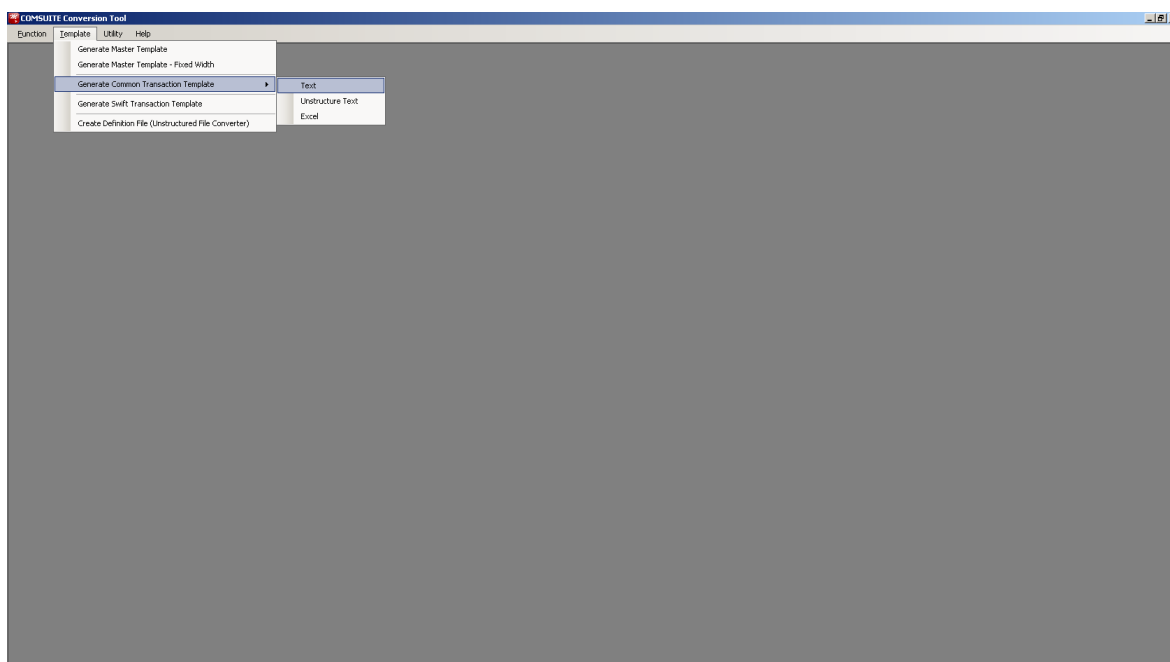
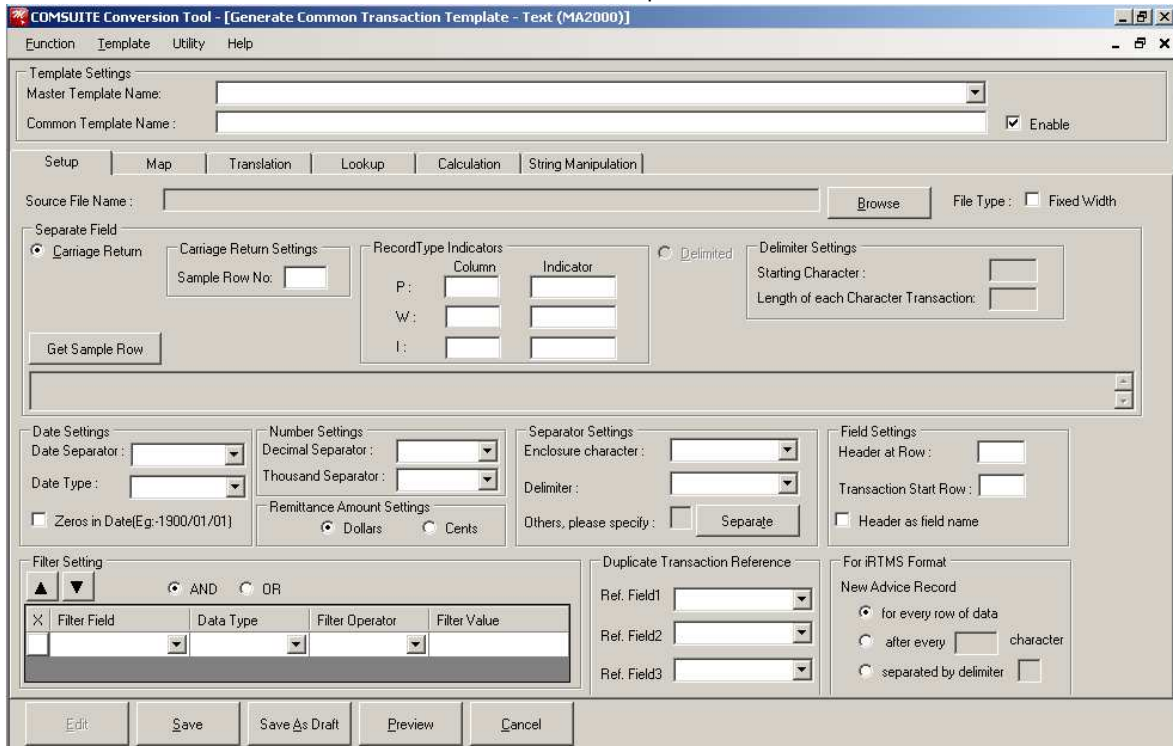


Figure 15 Menu option for Generate Common Transaction Template for Text Files

2. Click the **NEW** button. A blank form will be displayed to allow the user to enter information for the new common transaction template.



COMSUITE Conversion Tool - [Generate Common Transaction Template - Text (MA2000)]

Function Template Utility Help

Template Settings

Master Template Name:

Common Template Name: ☒ Enable

Setup Map Translation Lookup Calculation String Manipulation

Source File Name: Browse File Type: ☐ Fixed Width

Separate Field

☒ Carriage Return

Carriage Return Settings

Sample Row No:

Get Sample Row

Record Type Indicators

	Column	Indicator
P:	<input type="text"/>	<input type="text"/>
W:	<input type="text"/>	<input type="text"/>
I:	<input type="text"/>	<input type="text"/>

☐ Delimited

Delimiter Settings

Starting Character:

Length of each Character Transaction:

Date Settings

Date Separator:

Date Type:

☐ Zeros in Date (Eg: 1900/01/01)

Number Settings

Decimal Separator:

Thousand Separator:

Remittance Amount Settings

☒ Dollars ☐ Cents

Separator Settings

Enclosure character:

Delimiter:

Others, please specify: Separate

Field Settings

Header at Row:

Transaction Start Row:

☐ Header as field name

Filter Setting

☒ AND ☐ OR

X	Filter Field	Data Type	Filter Operator	Filter Value
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Duplicate Transaction Reference

Ref. Field1:

Ref. Field2:

Ref. Field3:

For RTMS Format

New Advice Record

☒ for every row of data

☐ after every character

☐ separated by delimiter

Edit Save Save As Draft Preview Cancel

Figure 16 Generate Common Transaction Template screen for Text files

3. Under **Template Setting**, fill the following fields:

- Select the Master Template to use from the Master Template select box.
 - Enter **Common Template Name** with the name you desire. This template name will be available to the common user during conversion.
 - Fill **Source File Name** by browsing to the common transaction source file.
- Tick **Fixed Width** checkbox if common transaction source file uses fixed width format. If Fixed Width is not ticked, it means that your common transaction source file uses delimiter as field separator. Note: Do not select Fixed Width if your source file is an unstructured file.

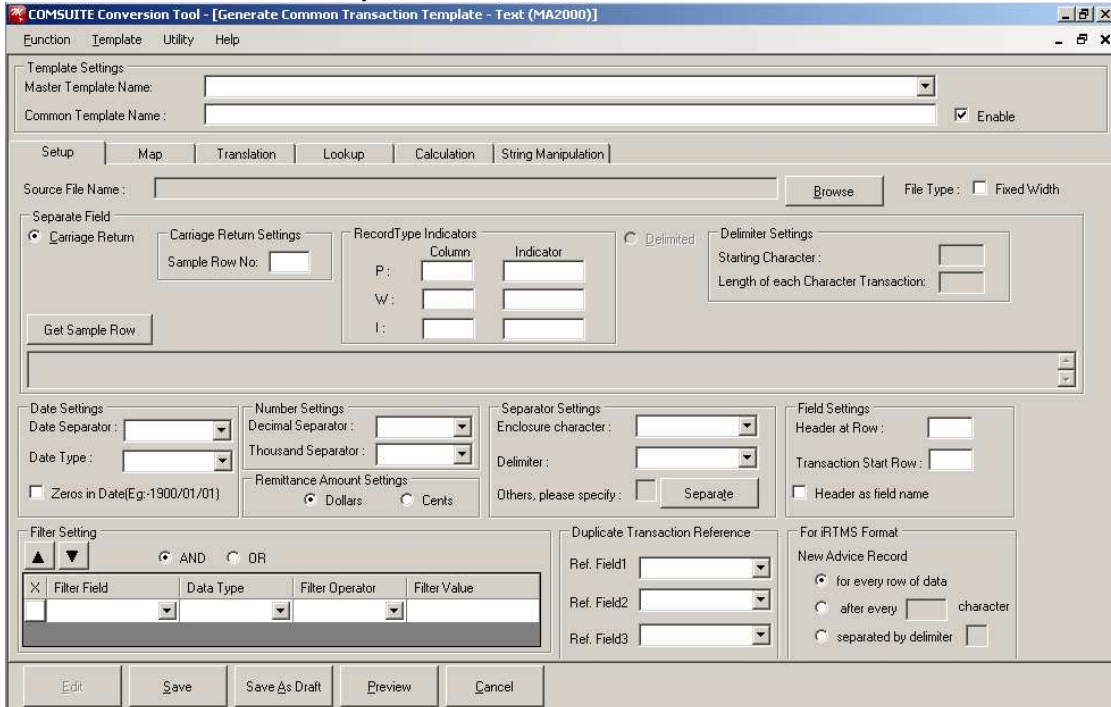


Figure 17 Click NEW and enter Template Setting information for Text files

2.5.1 Setup

Fill Setup tab.

1. If your common transaction source file uses delimiter as Field separator, fill as the following:

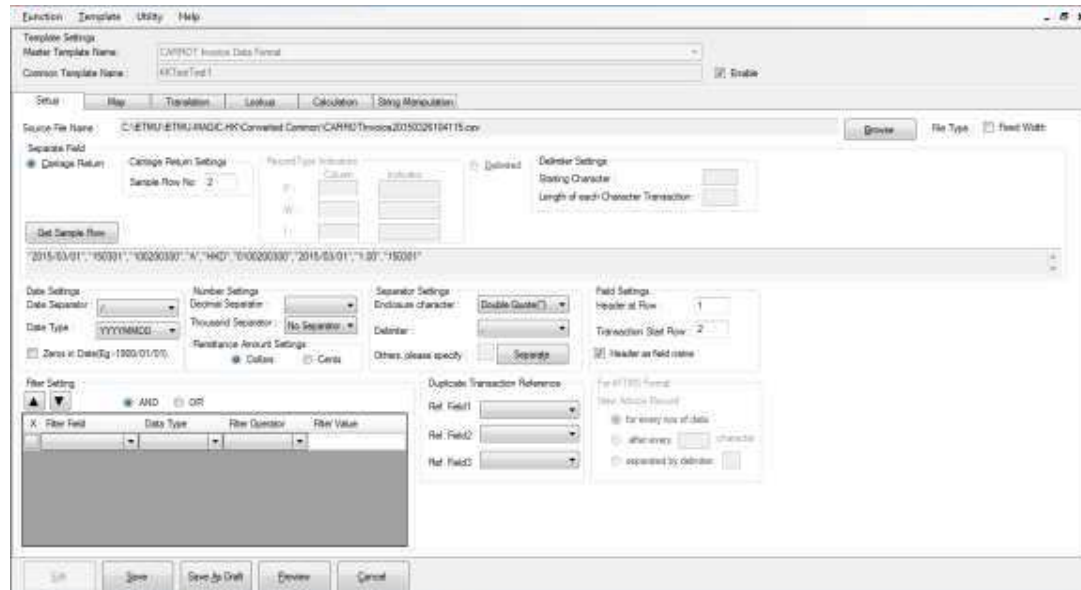


Figure 18 A New Common Transaction Template for Text files with completed Setup information

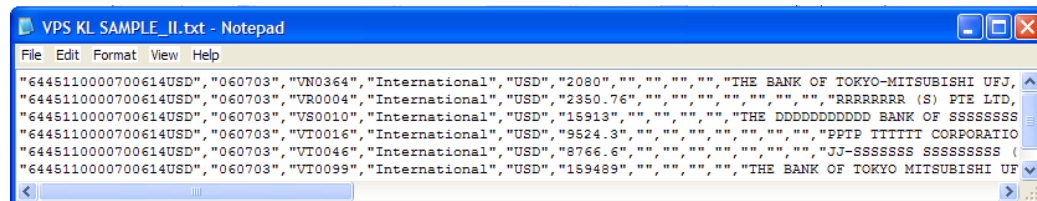


Figure 19 Source file used for creating the above common transaction template for text files

1. Fill **Sample Row** text box with transaction row number you want as a transaction sample.
2. Click the **Get Sample Row** button to retrieve transaction sample.
3. Choose which character is used as decimal separator in common transaction source file by selecting **Decimal Separator** select box.
4. Choose which character is used as thousand separator
5. r in common transaction source file by selecting **Thousand Separator** select box. The **Decimal separator** and the **Thousand Separator** cannot be the same.
6. Choose the appropriate date format in the source file by selecting **Date Type** select box.

7. Choose which character is used as date separator in common transaction source file by selecting **Date Separator** select box.
8. Tick **Zeros in Date** if date format in common transaction source file uses character 0 as prefix (prefix zero).
9. Fill **Header at Row** text box with common transaction source file header row number. If your source file has a header describing the various fields, then fill in the line number. If your source file does not have a header, then enter 0 in this field.
10. Fill **Transaction Starting Row** text box with common transaction source file first transaction row number. Processing of the source file will start from the Transaction starting row.
11. Tick **Header as field name** to use header as field name. If **Header as field name** is not ticked, source field names will be defaulted as Field1, Field2, and so on. If **Header as field name** is selected then the header name will be used to name each source field.
12. Choose which character is used as enclosure character in common transaction source file by selecting **Enclosure Character** select box.
13. Choose which character is used as delimiter in common transaction source file by selecting **Delimiter** select box. If common transaction source file uses other delimiter then choose **Other** in **Delimiter** select box and enter the delimiter in **If Other, Specify** text box.
14. Click **Separate** button to separate fields in common transaction source file.
15. **Duplicate Transaction Reference:** Select which fields will be used as indicator for duplicate transaction in **Reference Field** select boxes if any. The logic among **Reference Field** select boxes is AND. If a duplicate record is found, then during common user conversion, an informative message box will be displayed indicating to the user that duplicated records were found.
16. **Filter Setting:** Choose a source file field to be filtered by selecting Filter Field select box, select a Data Type, choose a Filter Operator by selecting the **Filter Operator** select box and enter filter value in **Filter Value** text box .
 - “Contain” option means system will obtain the field value if selected **field value** is contained in filter value;
 - “Not Contain” option means system will obtain the field value if selected field does not contain filter value.
 - Range Operator can be selected, if the value needs to be limited (e.g., > AND <).

User can remove filter setting in any row by putting the cursor in the desired row, and clicking **X** button. User can have as many filters as required but having too many filters will have adverse effect on System performance.
17. When multiple Filters are defined, Select either the AND option: to collect records satisfying all of the filter conditions, or the OR option: to collect the records satisfying any one of the filter conditions.
18. **Remittance Amount Setting** – This setting is used for determining if the Amount value in the source file is specified in Dollars (\$10.01 = Ten dollars and one cent) or in Cents (1001 = Ten dollars and one cent). When creating a new Common Template, the Remittance Amount setting is defaulted to Dollar.

For example, Remittance Amount for GCMS format is in Dollar value, selecting Dollars as the Remittance Amount Setting will not change the value of the Remittance Amount as given in the source file. But if the common user selects Cents as the Remittance Amount, then the amount in the source file is divided by 100 in order to obtain the dollar value of the Remittance Amount. The user creating the common template is requested to check that the Remittance Amount Setting selected matches with the amount in the source file.

If Cents option is chosen in Remittance Amount Setting, Number Setting should not have decimal separator. If both settings were set, system will prompt a warning message "Cents setting in 'Remittance Amount' and decimal separator should not co-exist. Do you want to proceed this setting?" when user saves or previews the common template.

19. Advice Record Setting – For the iRTMS output format, the super user must select the way the Advice Record is formatted in the source file. For a detailed explanation on the Advice Record Setting, please see Advice Record Setting section.

2.5.2 Advice Record Setting

The iRTMS format consists of a Transaction Record and optionally one or multiple Advice Records. Due to the need to specify how the Transaction Record and Advice Records are contained in the source file, COMSUITE Conversion Tool allows the super user to specify three different ways in which the Transaction Record and the Advice Records can be presented in the source file.

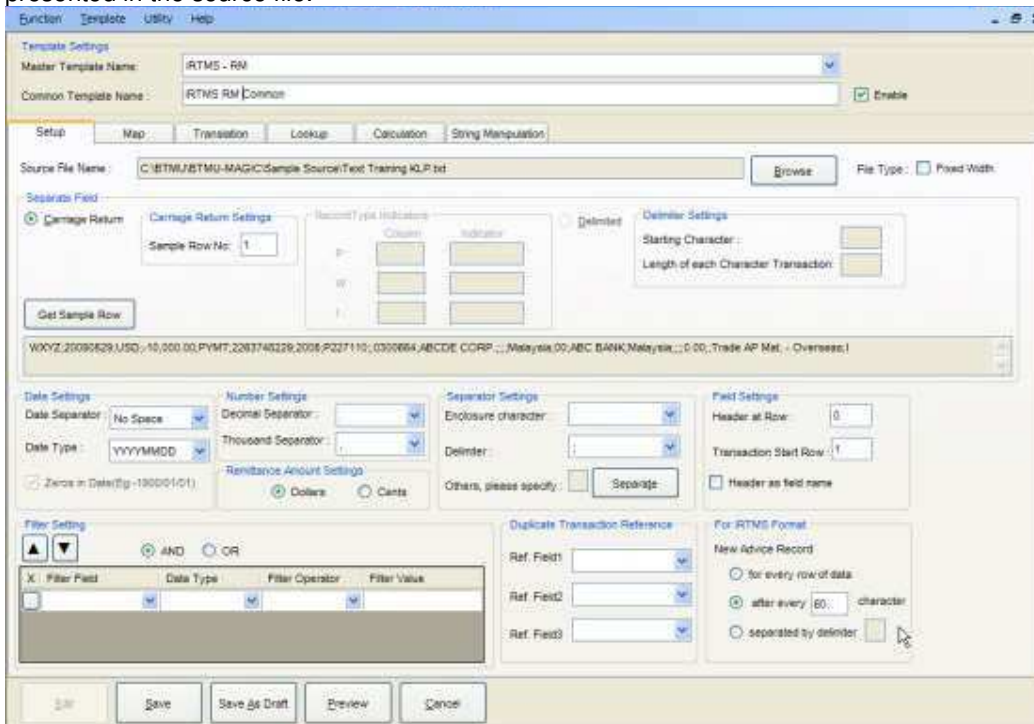


Figure 20 Advice Record Setting for Text Files

New Advice Record for Every Row of Data: This option indicates that there is exactly one Advice Record for every Transaction Record.

New Advice Record After Every xx Characters: This option indicates that all the Advice Records for a particular transaction are present along with the transaction itself, but each Advice Record consists of exactly xx Characters.

New Advice Record Separated by Delimiter: This option is similar to the above option where all the Advice Records for a particular transaction are present along with the transaction itself in a single line of data, but each Advice Record is separated by a Delimiter.

2.5.3 Setting up for iFTS2 MultiLine and Mr. Omakase File Formats

The Fixed Width checkbox will be disabled for these file formats.

The Record Type Indicator Setting and Separator Setting must be provided before retrieving the Sample Row. Please refer to the Record Type Indicator Setting for more details.

The Transaction Start Row must be the row number of the first P-record.

Header as Field Name will be disabled for these file formats. The system will generate the field names as P-Field1, P-Field2, etc for P-fields, Similarly, the W-fields will be named as W-Field1, W-Field2 etc and I-fields will be named as I-Field1, I-Field2 etc.

The Duplicate Transaction Reference setting will only list the P-fields.

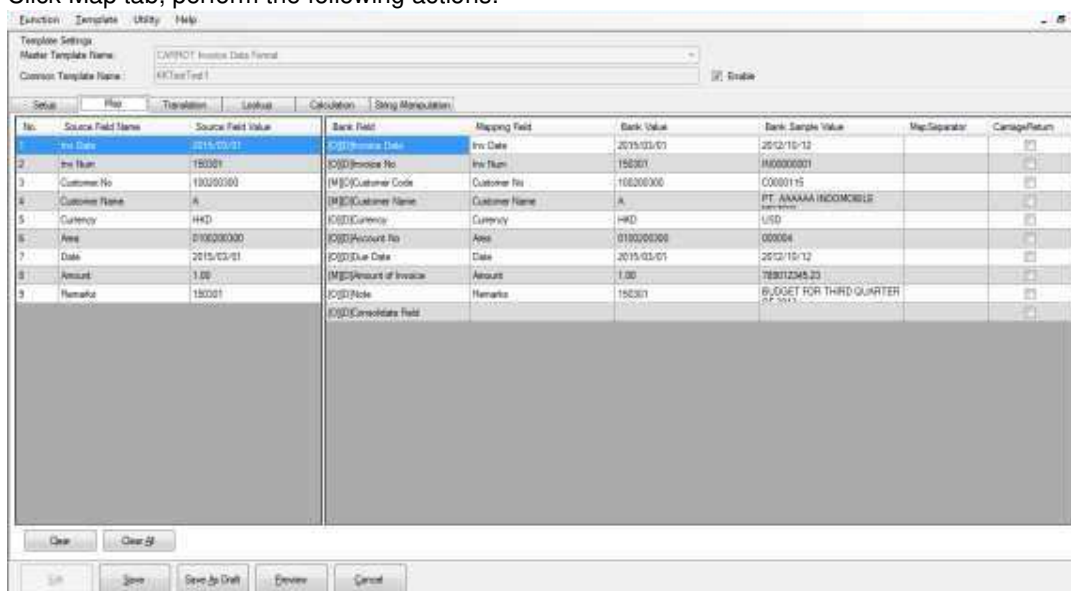
The Filter Field in the Filter Setting will only list the P-fields.

Record Type Indicator Setting :-

- P Column is used to specify the column number of the column used to identify the P-record. This is mandatory
- P Indicator is used to specify the Indicator used to identify the P-record. This is mandatory.
- W Column is used to specify the column number of the column used to identify the W-record. This is optional.
- W Indicator is used to specify the Indicator used to identify the W-record. This is Optional.
- I Column is used to specify the column number of the column used to identify the W-record. This is optional.
- I Indicator is used to specify the Indicator used to identify the I-record. This is Optional.

2.5.4 Map

Click Map tab, perform the following actions:



No.	Source Field Name	Source Field Value	Bank Field	Mapping Field	Bank Value	Bank Sample Value	Map Separator	Carriage Return
1	Inv Date	2015/03/01	ICDInvoice Date	Inv Date	2015/03/01	25/12/10-12		<input type="checkbox"/>
2	Inv Num	150001	ICDInvoice No	Inv Num	150001	1600000001		<input type="checkbox"/>
3	Customer No	10000000	IMCCustomer Code	Customer No	10000000	0000115		<input type="checkbox"/>
4	Customer Name	A	IMCCustomer Name	Customer Name	A	RT: AAAAAA INCOMOBILE		<input type="checkbox"/>
5	Currency	HKD	ICDCurrency	Currency	HKD	USD		<input type="checkbox"/>
6	Acct	0100000000	ICDPAccount No	Acct	0100000000	000004		<input type="checkbox"/>
7	Date	2015/03/01	ICDDue Date	Date	2015/03/01	25/12/10-12		<input type="checkbox"/>
8	Amount	1.00	IMEAmount of Invoice	Amount	1.00	789112345.23		<input type="checkbox"/>
9	Remarks	150001	ICDNote	Remarks	150001	BUDGET FOR THIRD-QUARTER		<input type="checkbox"/>
			ICDConsolidate Field			27-10-11		<input type="checkbox"/>

Figure 21 Mapping information for common transaction templates

- Select a Source Field, drag and drop it onto a Bank Field or vice versa. The Mapping Field in the right grid will show the Source Field to which the Bank Field is mapped. If there exists Many-to-one mapping for the Bank Fields, the Mapping Field will show the Source Fields separated by '|'|.

Bank field values will be filled automatically with mapped source field values.

Many-to-One mapping: When multiple source fields are mapped to one bank field, it is known as **many-to-one** mapping. The value of the bank field is equal to the concatenation of the values of all the customer fields in the order in which they were mapped. During **Many-to-One** mapping, a separator might be present between different customer fields values. The administrator configures this separator during the creation of the Master Template.

The value of Map Separator will be used to separate the field values of **Many-to-One** mapping.

Check the Carriage Return will show the field values of **Many-to-One** mapping in separate line.

Function **Template** **Utility** **Help**

Template Settings:

Master Template Name:

Common Template Name: [?] Enable

No.	Source Field Name	Source Field Value	Bank Field	Mapping Field	Bank Value	Bank Sample Value	Map Separator	Cascade Return
1	Inv Date	2015/03/01	[CID]Invoice Date	Inv Date	2015/03/01	25/12/15-12		<input type="checkbox"/>
2	Inv Num	180001	[CID]Invoice No	Inv Num	180001	R000000001		<input type="checkbox"/>
3	Customer No	19000000	[MID]Customer Code	Customer No Customer Name	10000000-A	C0000115		<input type="checkbox"/>
4	Customer Name	A	[MID]Customer Name	Customer Name	A	PT AAAAAA INCOMMOBILE <small>(not found)</small>		<input type="checkbox"/>
5	Currency	HKD	[CID]Currency	Currency	HKD	USD		<input type="checkbox"/>
6	Acc	010000000	[CID]Account No	Acc	010000000	000004		<input type="checkbox"/>
7	Date	2015/03/01	[CID]Due Date	Date	2015/03/01	25/12/15-12		<input type="checkbox"/>
8	Amount	1.00	[MID]Amount of Invoice	Amount	1.00	78012345.23		<input type="checkbox"/>
9	Remark	180001	[CID]Node	Remarks	180001	BUDGET FOR THIRD QUARTER OF 2015		<input type="checkbox"/>
			[CID]Concatenate Field					<input type="checkbox"/>

Figure 22 Many-to-One mapping

In the above mapping, Bank field “**Customer Code**” is mapped from source fields in the order of **Field 3** and **Field 4**, so the value of bank field “**Customer Code**” is the concatenation of the values of source field values: **Field 3, Map Separator and Field 4**.

Template Settings

Output Template Name to Master Template Name: GCMS - MALAYSIA

Common Template Name: GCM5 TEST ☒ Enable

Setup Map Translation Lookup Calculation String Manipulation

No.	Source Field Name	Source Field Value	Bank Field	Mapping Field	Bank Value	Bank Sample Value
1	Field 1	6445110000700614USD	[MID]Settlement Account No	Field 1	6445110000700614USD	6553110000123456SGD
2	Field 2	060703	[MID]Value Date	Field 2	060703	060909
3	Field 3	VN0364	[MID]Customer Reference	Field 3	VN0364	INVOICE NO.123
4	Field 4	International	[MID]Sector Selection			
5	Field 5	USD	[MID]Currency	Field 5	USD	
6	Field 6	2080	[MID]Remittance Amount	Field 6	2080	10000.50
7	Field 7		[OD]Exchange Method	Field 4	International	Spot Cont
8	Field 8		[OD]Contract Number			KCD12345678
9	Field 9		[OD]Intermediary Bank/Branch	Field 4/Field 5	International/USD	BIC CABANG THAWFIN
10	Field 10		[OD]Intermediary Bank Master Code			807340
11	Field 11	THE BANK OF TOKYO-MIT.	[OD]Beneficiary Bank	Field 11	THE BANK OF TOKYO...	BILL CABANG KOTA
12	Field 12		[OD]Beneficiary Bank Master Code			99987654
13	Field 13	189563	[MID]Beneficiary A/C No	Field 13	189563	067 874 235.76
14	Field 14	DDD PDDDDDDDD PTE LTD	[MID]Beneficiary Name	Field 14/Field 16/Field 4	DDD PDDDDDDDD PT.	PT ABC MALAYSIA
15	Field 15		[OD]Message To Beneficiary			SALARY JULY 2008
16	Field 16	SERVICES / CONSUMABLE	[OD]Purpose of Remittance			TAX PAYMENT
17	Field 17		[OD]Information To Renting Bank			PLEASE DEBIT ACCOU..
18	Field 18	DUR	[MID]Bank Charges			
19	Field 19	6445110000127833MYR	[OD] charges Account Number			3245 554835.5647
			[OD]Term1			BTMTU THE BANK OF T..
			[OD]Term2			MALAYSIAMALAYSIA B
			[OD]Local Currency			MODBANKINGTHAI AYU

Clear Clear All

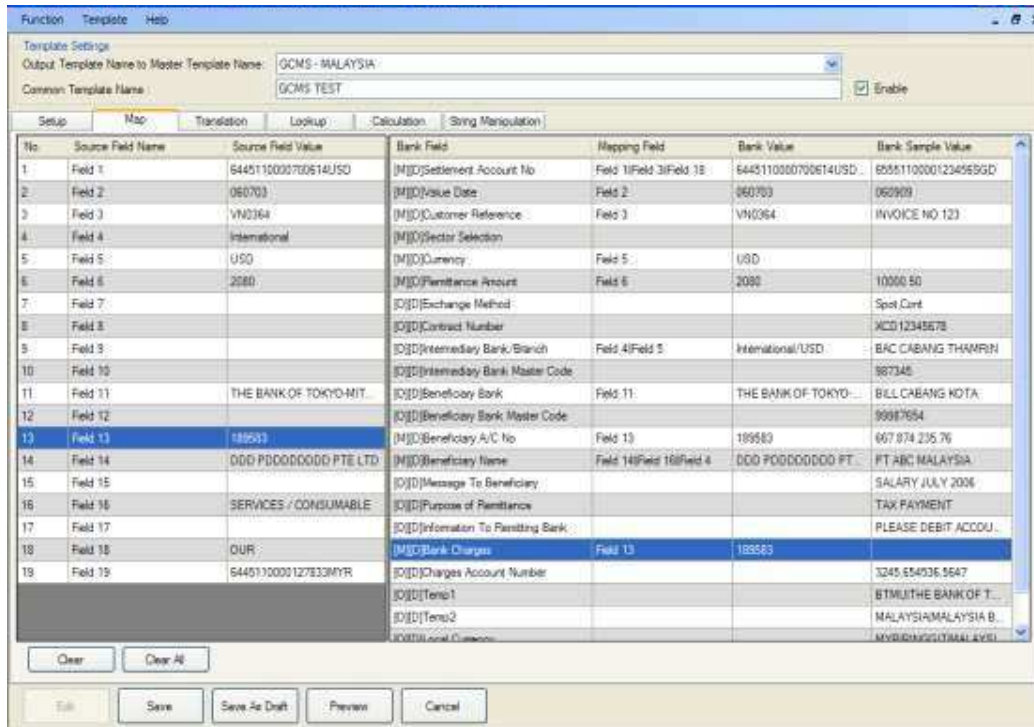
Exit Save Save As Draft Preview Cancel

Figure 23 Many-to-One mapping with Separator

In the above mapping, the Bank field **"Intermediary Bank/Branch"** is mapped from the source fields **Field 4** and **Field 5**. The separator **"/"** is shown because the Master Template specifies that a **"/"** separator be present between different fields mapped to **"Intermediary**

Bank/Branch".

One-to-Many mapping: If one source field is mapped to multiple bank fields, then such a mapping is known as **One-to-Many** mapping. In One-to-Many mapping all the bank values have the same source field value.



No	Source Field Name	Source Field Value	Bank Field	Mapping Field	Bank Value	Bank Sample Value
1	Field 1	6445110000700614USD	(MID)Settlement Account No	Field 1/Field 3/Field 13	6445110000700614USD	6555110000123456SGD
2	Field 2	060703	(MID)Value Date	Field 2	060703	060909
3	Field 3	VN0364	(MID)Customer Reference	Field 3	VN0364	INVOICE NO 123
4	Field 4	International	(MID)Sector Selection			
5	Field 5	USD	(MID)Currency	Field 5	USD	
6	Field 6	2080	(MID)Remittance Amount	Field 6	2080	10000.50
7	Field 7		(ID)Exchange Method			Spot Cont
8	Field 8		(ID)Contract Number			ACD12345678
9	Field 9		(ID)Intermediary Bank Branch	Field 4/Field 5	International/USD	BAC CABANG THAMBIN
10	Field 10		(ID)Intermediary Bank Master Code			987345
11	Field 11	THE BANK OF TOKYO-MIT	(ID)Beneficiary Bank	Field 11	THE BANK OF TOKYO...	BILL CABANG KOTA
12	Field 12		(ID)Beneficiary Bank Master Code			99987654
13	Field 13	189583	(MID)Beneficiary A/C No	Field 13	189583	467 874 235 76
14	Field 14	DDO PDDDDDDDD PTE LTD	(MID)Beneficiary Name	Field 14/Field 16/Field 4	DDO PDDDDDDDD PT...	PT ABC MALAYSIA
15	Field 15		(ID)Message To Beneficiary			SALARY JULY 2006
16	Field 16	SERVICES / CONSUMABLE	(ID)Purpose of Remittance			TAX PAYMENT
17	Field 17		(ID)Information To Remitting Bank			PLEASE DEBIT ACCOU...
18	Field 18	OUR	(MID)Bank Charges	Field 13	189583	
19	Field 19	6445110000127833MYR	(ID)Charges Account Number			3245.65436.5647
			(ID)Temp1			BTM/ITHE BANK OF T...
			(ID)Temp2			MALAYSIA/MALAYSIA B...
			(ID)Local Currency			MYR/USD/GBP/ALVSI

Figure 24 One-to-Many Mapping

In the above mapping, the **Beneficiary A/C No** and **Bank Charges** are mapped from the same source field, **Field 13**. This is an example of One-to-Many mapping, and we see that the bank value for **Beneficiary A/C No** and **Bank Charges** are the same.

To clear all mapping lines, click the **Clear All** button.

To clear selected mapping lines, select a mapped source field and its corresponding bank field and then click on the **Clear** button.

Mapping for iFTS2 MultiLine and Mr. Omakase India Formats

The P-Fields in the Source file can only be mapped to P Bank Fields. Likewise, W-Fields in the Source file can only be mapped to W Bank Fields and I-Fields in the Source file can only be mapped to I-Fields.

The Record Type Indicators must be mapped to the corresponding fields in the Source files which is used to identify the records.

For example, if in the Setup tab, P Column is specified as 2, then the Bank Field for P Record Type must be mapped to P-Field2.

If the Record Type Indicators are other than the default value then the field must be translated.

For example, if in the Setup tab, P Indicator is ABC, then the Bank Field for P Record Type must be translated to the default value (P) using the Translator Setting

2.5.5 Translation

By default the system will load all the bank fields that have default values. The administrator sets default values for a particular bank field during the creation of the Master Template. You can personalize the translation grid as below:



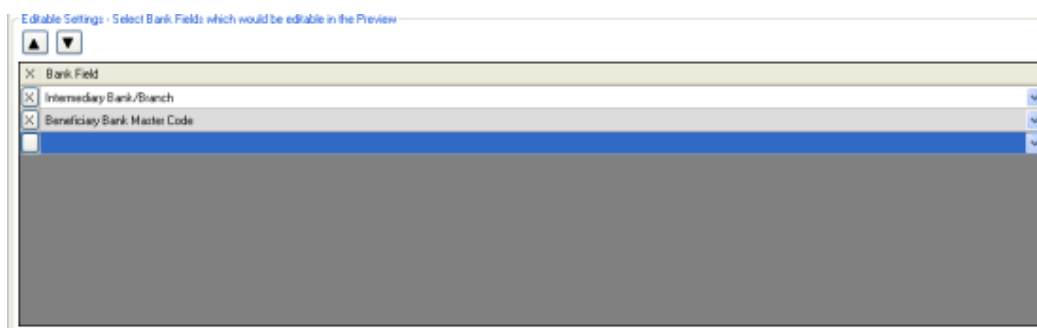
Bank Field	Source Value	Bank Value	Bank Value Empty
Bank Charges	EUR	SHA	<input type="checkbox"/>
Settlement Account No	5121000006201	6975121000006201USD	<input type="checkbox"/>
Settlement Account No	5121000006205	6975121000006205EUR	<input type="checkbox"/>
Settlement Account No	5111000006510	6965111000006510PHP	<input type="checkbox"/>
Settlement Account No	5121000007795	6975121000007795USD	<input type="checkbox"/>
Charges Account Number	USD	6965111000006510PHP	<input type="checkbox"/>
Charges Account Number	EUR	6965111000006510PHP	<input type="checkbox"/>

Figure 25 Translator Settings for Common Templates for Text Files

1. Select any Bank Fields you want to translate.
2. If you want the bank field to have the same Bank Values for all rows of data, then leave the Source Value field blank, and enter the required Bank value in the Bank value field.
3. If you want the Bank value to be blank for a specified source value, then select the specified source value and leave the Bank Value field blank.
4. If you wish to convert a particular Source Value only, then select or enter the Source Value in the Source Value field.
5. To delete Translation Setting at any row, select the row, and then click the **X** button to remove the selected row.

The **Editable Settings** allow the super user to specify the fields that can be edited by the common user during the conversion process. **By default, all bank fields are non-editable.**

Note: Editable Settings should be used with extreme care. In case critical fields such as Amount or Beneficiary Name are set as editable, there is a risk that Common User may modify the value deliberately.



Bank Field	
Intermediary Bank/Branch	<input type="checkbox"/>
Beneficiary Bank Master Code	<input type="checkbox"/>

Figure 26 Editable settings for Common Templates for Text files

- Select the Bank Field to be set to editable in the Editable Grid.
- Select the row, and then click the **X** button to remove the selected row if necessary.

2.5.6 Lookup

If a Bank Field needs to refer to a value from a database table, The Lookup settings can be created. There are four predefined database tables: Table1, Table2, Table3 to Table10 that contain master data values in 30 columns which can be looked up for Bank Fields during Conversion and Preview. One of the source field values can be selected to filter out the lookup value. The four tables shall be loaded with master data values before using Lookup settings. Super user can load master values into the four tables. To define a lookup setting for a Bank Field, it is required to supply source field that shall be used as key to filter out a value from one of the four data tables.



Figure 27 Lookup Settings for Common Templates for Text Files

- Select the Bank Field to assign a value from database table.
- Select the Source Field that will filter out the Lookup value from database table.
- Select one of the four tables that have the lookup value required by the Bank Field.
- Select the Lookup key Column that can filter out the Lookup value.
- Select the Lookup Value Column that's looked up at the selected table

For example: in the given Settings in the above Figure, the following database table query is selecting a value for Bank Field *Customer Reference*

SELECT C FROM Table1 WHERE A = <Corresponding value of Source Field Field>

- Select the row, and then click the **X** button to remove the selected row if necessary.

2.5.7 Calculation

Calculation Settings can be created to assign a Bank Field with an arithmetic Sum / Subtraction / Times / Divide of two or three source field values:



Figure 28 Calculation Settings for Common Templates for Text Files

- Select the Bank Field that's required to be calculated from Source Field values.
- Select the Operand1/Operand2/Operand3 as required. Minimum two Operands are required.

- Select either +/- from Operator1. Select *None* for Operator2, if there are only two Operands used to calculate the Bank Field Value.
- For example: In the above figure the Bank Field *Bank Charges* is calculated as the sum of *Field4* and *Field 5*.
- Select the row, and then click the **X** button to remove the selected row if necessary.

Lookup and Calculation Settings for iFTS2 MultiLine and Mr. Omakase India formats

- Lookup and Calculation is allowed only for Payment Bank Fields.
- In the Lookup Setting, Bank Field and Source Field drop down will only show the Payment Bank Fields and Payment Source Fields respectively.
- In the Calculation Setting, Bank Field drop down will only show the Payment Bank Fields and Operand1, Operand2 and Operand3 drop down will show only the Payment Source Fields.

2.5.8 String Manipulation

The String Manipulation function allows part of the final value of a specific bank field to be extracted or omitted. String manipulation is applied to the value of the bank field, after the filter setting and Translate functionalities are applied to the bank field value.

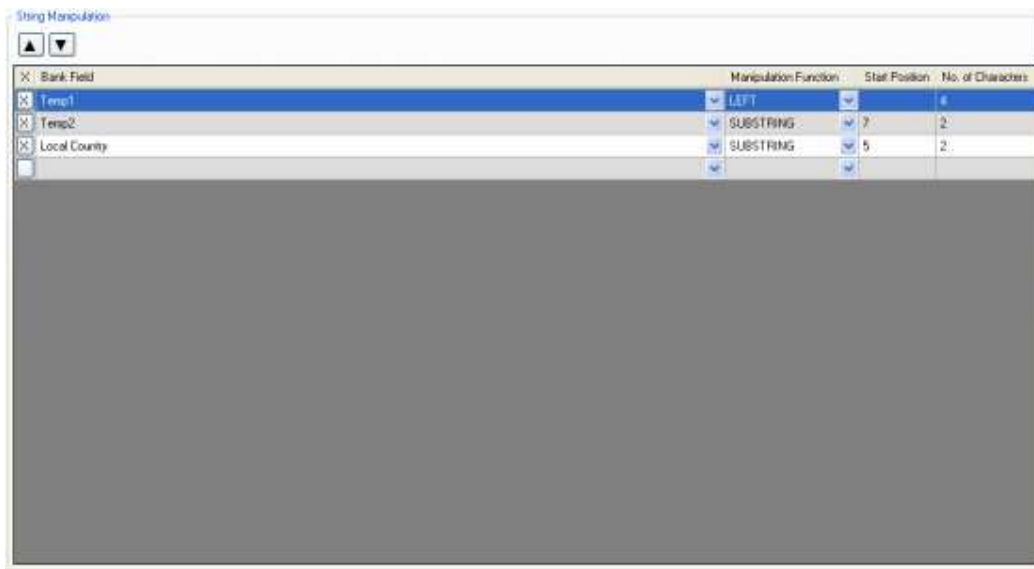


Figure 29 String Manipulation settings for Common Templates for Text files

- Select any Bank Fields to be manipulated.
- Select any one of the following Manipulation Functions:
 1. **LEFT**: Use this function to extract a substring of a selected Bank Field, starting from Start Position 0, moving right, up to No. of Characters in length.
 For example: selected Bank Field value = '1234567890',
 Manipulation Function = "**LEFT**", No. of Characters = **6**
 Result is **123456**

2. **RIGHT**: Use this function to extract a substring of a selected Bank Field, starting from the End Position of the selected Bank Field, moving left, up to No. of Characters in length.

For example: selected Bank Field value = '1234567890',
Manipulation Function = "**RIGHT**", No. of Characters = 6

Result is **567890**

3. **SUBSTRING**: Use this function to extract a substring of a selected Bank Field, starting from the Start Position specified, moving right, up to No. of Characters in length.

For example: selected Bank Field value = '1234567890',
Manipulation Function = "**SUBSTRING**", Start Position = 2, No. of Characters = 6

Result is **345678**

4. **REMOVE**: Use this function to remove a substring from a selected Bank Field, starting from the Start Position specified, moving right, up to No. of Characters in length. The "left over" part(s) of the original string will be concatenated.

For example: selected Bank Field value = '1234567890',
Manipulation Function = "**REMOVE**", Start Position = 5, No. of Characters = 2.

Result is **12345890**

5. **REMOVE LAST**: Use this function to remove a right most substring from a selected Bank Field, starting from the End Position of the Bank Field, moving left, up to No. of Characters in length.

For example: selected Bank Field value = '1234567890',
Manipulation Function = "**REMOVE LAST**", No. of Characters = 2.

Result is **12345678**

6. **TRIM**: Use this function to remove the leading and trailing spaces.

For example: selected Bank Field value = ' 1234567890 ',
Manipulation Function = "**TRIM**".

Result is **1234567890**

7. **LEFT & TRIM**: Use this function to extract a substring of a selected Bank Field, starting from Start Position 0, moving right, up to No. of Characters in length and then remove the leading and trailing spaces.

For example: selected Bank Field value = '12345 67890',
Manipulation Function = "**LEFT & TRIM**", No. of Characters = 6

Result is **12345**

8. **RIGHT & TRIM:** Use this function to extract a substring of a selected Bank Field, starting from the End Position of the selected Bank Field, moving left, up to No. of Characters in length and then remove the leading and trailing spaces.

For example: selected Bank Field value = '12345 67890',
Manipulation Function = "**RIGHT & TRIM**", No. of Characters = 6

Result is **67890**

9. **SUBSTRING & TRIM:** Use this function to extract a substring of a selected Bank Field, starting from the Start Position specified, moving right, up to No. of Characters in length and then remove the leading and trailing spaces.

For example: selected Bank Field value = '12 34 567890',
Manipulation Function = "**SUBSTRING & TRIM**", Start Position = 2,
No. of Characters = 6

Result is **34**

10. **REMOVE & TRIM:** Use this function to remove a substring from a selected Bank Field, starting from the Start Position specified, moving right, up to No. of Characters in length. The "left over" part(s) of the original string will be concatenated and then remove the leading and trailing spaces.

For example: selected Bank Field value = '1234 567890',
Manipulation Function = "**REMOVE & TRIM**", Start Position = 5, No. of Characters = 8.

Result is **1234**

11. **REMOVE LAST & TRIM:** Use this function to remove a right most substring from a selected Bank Field, starting from the End Position of the Bank Field, moving left, up to No. of Characters in length and then remove the leading and trailing spaces.

For example: selected Bank Field value = '12345678 90',
Manipulation Function = "**REMOVE LAST & TRIM**", No. of Characters = 2.

Result is **12345678**

- Select a row, and click the **X** button to remove selected row, if necessary.

2.5.9 Preview

The Super User can preview the common transaction template by clicking on the **Preview** button.

Preview Common Transaction Template - Text					
Preview					
Header:					
Settlement Account No	Value Date	Customer Reference	Sector Selection	Currency	Remittance Amount
6975121000206201USD	090413	T2207162	International	USD	694.05
6975121000206201USD	090413	T2207163	International	USD	190111.46
6975121000206201USD	090413	T2207164	International	USD	1944.59
6975121000206201USD	090413	T2207165	International	USD	1112.21
6975121000206201USD	090413	T2207166	Bank Transfer	USD	12200.00
Trailer:					
Validation Errors					
Row No	Error Description				
1	Record: 1, Field: 'Value Date' should be equal to or greater than today and less than 21 calendar days from to...				
2	Record: 2, Field: 'Value Date' should be equal to or greater than today and less than 21 calendar days from to...				
3	Record: 3, Field: 'Value Date' should be equal to or greater than today and less than 21 calendar days from to...				
4	Record: 4, Field: 'Value Date' should be equal to or greater than today and less than 21 calendar days from to...				
5	Record: 5, Field: 'Value Date' should be equal to or greater than today and less than 21 calendar days from to...				
6	Record: 6, Field: 'Value Date' should be equal to or greater than today and less than 21 calendar days from to...				
7	Record: 7, Field: 'Value Date' should be equal to or greater than today and less than 21 calendar days from to...				
Total Records: 14		Errors: 14		Consolidated Records: 0	

Figure 30 Preview common transaction template for Text files

- **Note:** In preview mode, the super user cannot modify the value of any of the Bank fields.
- The Super User can modify the values of the different parameters and can preview how it affects the final displayed data.

2.5.10 Save As Draft

To save an incomplete Common Template, click on the **<Save As Draft>** button and the system uses Common Template name as the filename. The template is encrypted and saved under the specified draft folder with a filename extension .mct.

Draft Common Templates for text files will be saved under the **Common\Draft** folder. Saving a template as draft template removes existing normal template and vice versa while saving Normal Template. Thus it avoids the existence of duplicate copies of a template at anytime. All validations on the Common Template will not be carried out while saving Common Template as draft.

To retrieve an incomplete Common Template, Select the draft template from the **View Draft** Listing and edit it to complete the creation of common template.

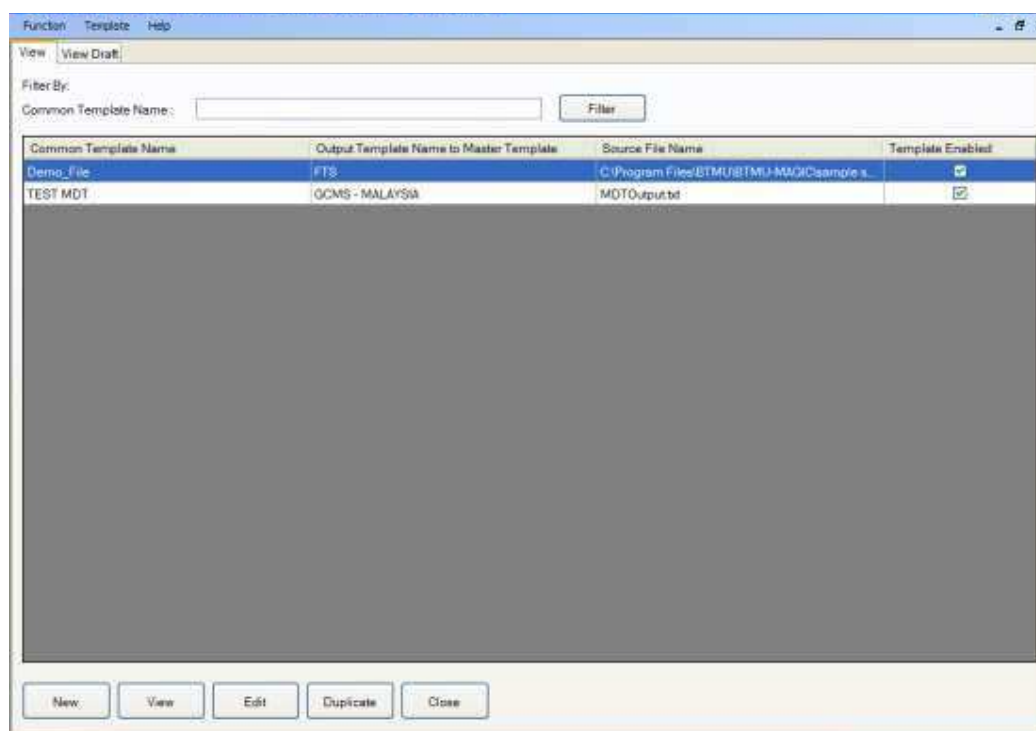


Figure 31: Create/View/Edit/Duplicate Common Text Transaction Templates

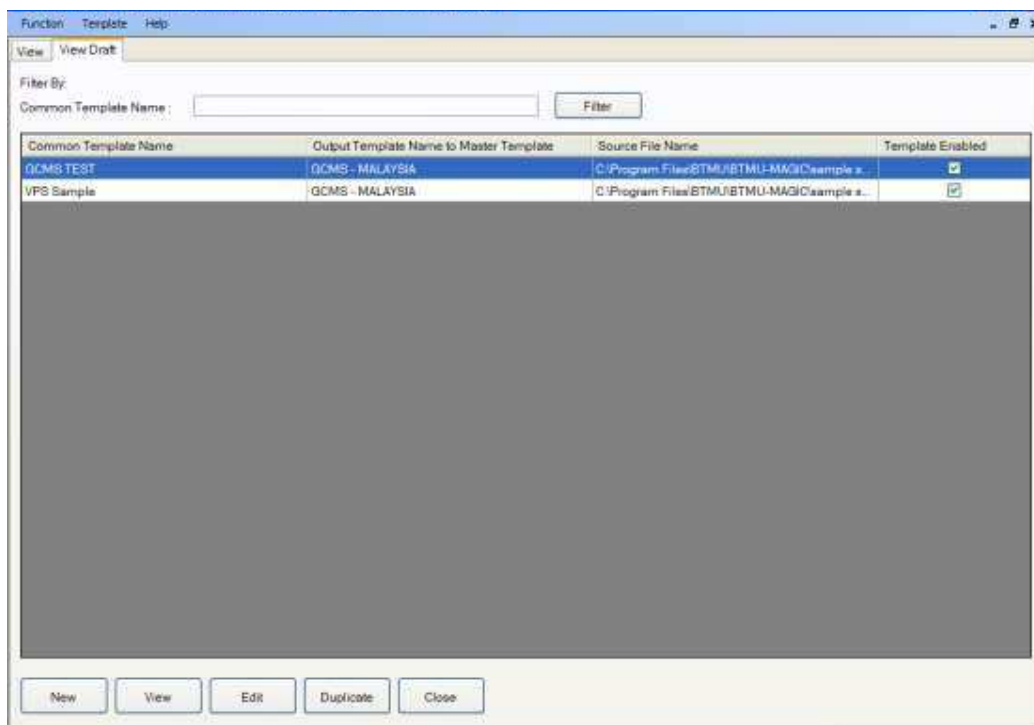


Figure 32: Open/Edit/Duplicate Common Text Transaction Templates - Draft

2.6 Generate a New Common Transaction Template for Excel Files

This function enables the customer to generate and save a new Common Transaction Template using an Excel sample source file. A Common Transaction Template forms the blueprint that maps the customer's input source file to the bank's predefined file format.

To create a Common Transaction Template with an Excel sample source file, perform the following actions:

1. Click **Template** menu and choose **Generate Common Transaction Template** and then click **Excel** sub menu.

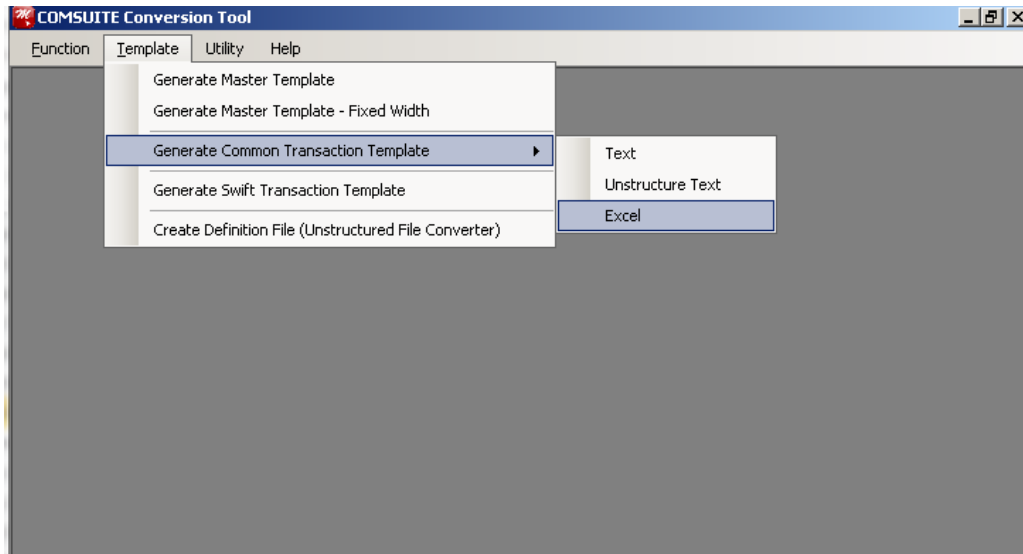


Figure 33 Generate Common Transaction Template screen for Excel files

2. Click the **NEW** button. A blank form will be displayed to allow the user to enter information for the new common transaction template.

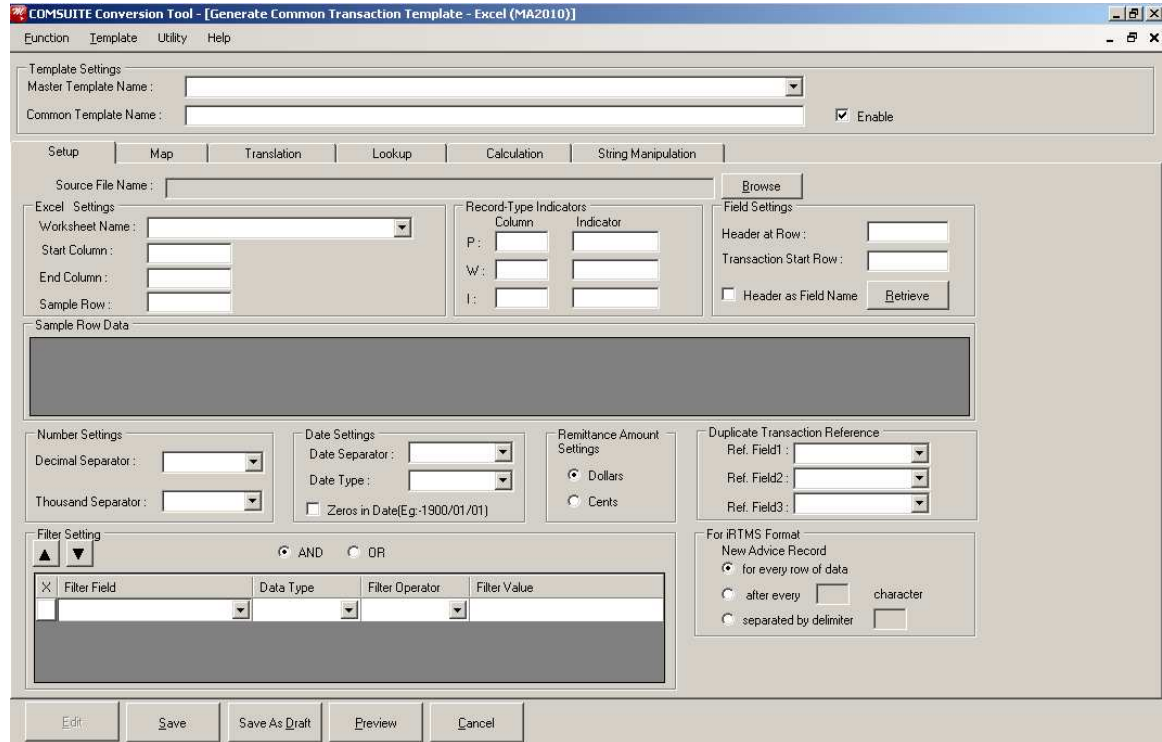
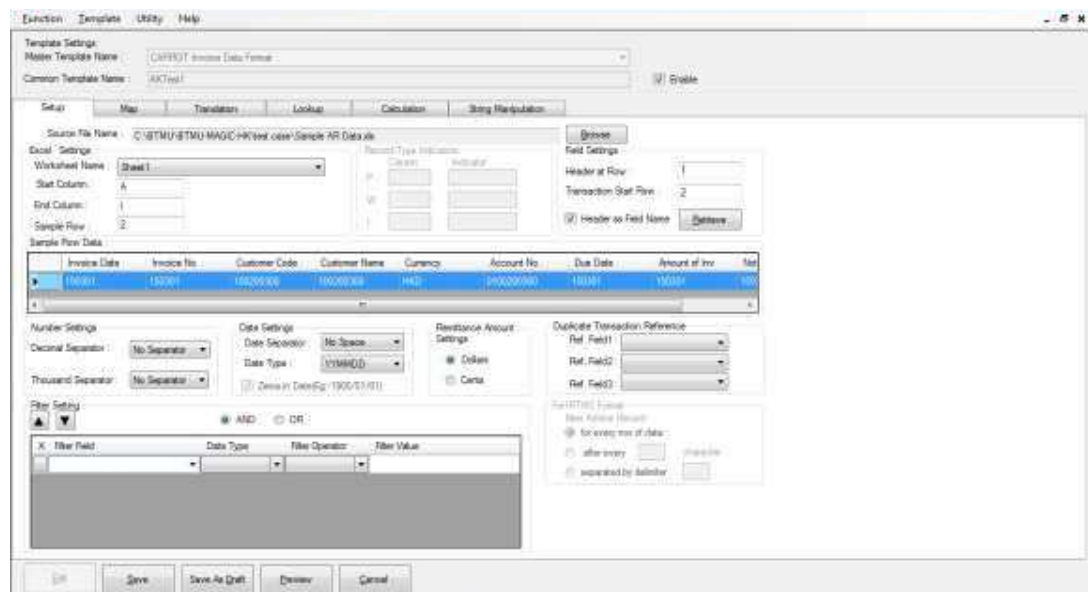


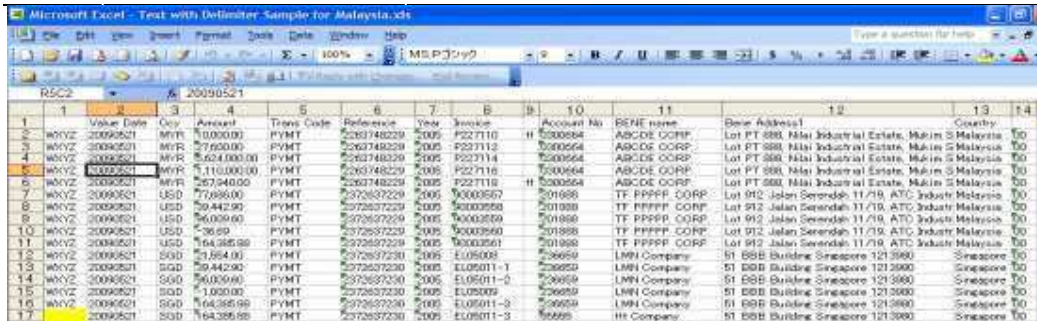
Figure 34 Generate Common Transaction Template screen for Excel files

3. Under **Template Setting**, fill following fields:
 - Determine which master template you want to use by selecting in **Master Template** select box.
 - Enter **Common Template Name** with the name you desire. This template



name will be available to the common user during conversion.

Figure 35 A New Common Transaction Template for Excel files with completed Setup information



1	2	3	4	5	6	7	8	9	10	11	12	13	14
Value Date	Doc	Amount	Trans Code	Reference	Year	Invoice	Account No	BENE name	Beneficiary	BENE name	Beneficiary	Country	Currency
20090521	MYR	10000.00	PVMT	20090521	2009	P227110	1000000	ABCD CORP	Lot PT 888, Niai Industrial Estate, Makin	ABCD CORP	Lot PT 888, Niai Industrial Estate, Makin	Malaysia	MYR
20090521	MYR	27600.00	PVMT	20090521	2009	P227111	1000000	ABCD CORP	Lot PT 888, Niai Industrial Estate, Makin	ABCD CORP	Lot PT 888, Niai Industrial Estate, Makin	Malaysia	MYR
20090521	MYR	5624000.00	PVMT	20090521	2009	P227112	1000000	ABCD CORP	Lot PT 888, Niai Industrial Estate, Makin	ABCD CORP	Lot PT 888, Niai Industrial Estate, Makin	Malaysia	MYR
20090521	MYR	1110000.00	PVMT	20090521	2009	P227113	1000000	ABCD CORP	Lot PT 888, Niai Industrial Estate, Makin	ABCD CORP	Lot PT 888, Niai Industrial Estate, Makin	Malaysia	MYR
20090521	MYR	27600.00	PVMT	20090521	2009	P227114	1000000	ABCD CORP	Lot PT 888, Niai Industrial Estate, Makin	ABCD CORP	Lot PT 888, Niai Industrial Estate, Makin	Malaysia	MYR
20090521	USD	70886.00	PVMT	20090521	2009	P227115	1000000	TF PFFFF CORP	Lot 912, Jalan Serendah 11/19, ATC Industri	TF PFFFF CORP	Lot 912, Jalan Serendah 11/19, ATC Industri	Malaysia	USD
20090521	USD	20442.90	PVMT	20090521	2009	P227116	1000000	TF PFFFF CORP	Lot 912, Jalan Serendah 11/19, ATC Industri	TF PFFFF CORP	Lot 912, Jalan Serendah 11/19, ATC Industri	Malaysia	USD
20090521	USD	56039.00	PVMT	20090521	2009	P227117	1000000	TF PFFFF CORP	Lot 912, Jalan Serendah 11/19, ATC Industri	TF PFFFF CORP	Lot 912, Jalan Serendah 11/19, ATC Industri	Malaysia	USD
20090521	USD	436.69	PVMT	20090521	2009	P227118	1000000	TF PFFFF CORP	Lot 912, Jalan Serendah 11/19, ATC Industri	TF PFFFF CORP	Lot 912, Jalan Serendah 11/19, ATC Industri	Malaysia	USD
20090521	USD	164385.98	PVMT	20090521	2009	P227119	1000000	TF PFFFF CORP	Lot 912, Jalan Serendah 11/19, ATC Industri	TF PFFFF CORP	Lot 912, Jalan Serendah 11/19, ATC Industri	Malaysia	USD
20090521	SGD	11854.00	PVMT	20090521	2009	P227120	1000000	LMN Company	51 BSB Building Singapore 121380	LMN Company	51 BSB Building Singapore 121380	Singapore	SGD
20090521	SGD	20442.90	PVMT	20090521	2009	P227121	1000000	LMN Company	51 BSB Building Singapore 121380	LMN Company	51 BSB Building Singapore 121380	Singapore	SGD
20090521	SGD	56039.00	PVMT	20090521	2009	P227122	1000000	LMN Company	51 BSB Building Singapore 121380	LMN Company	51 BSB Building Singapore 121380	Singapore	SGD
20090521	SGD	1000.00	PVMT	20090521	2009	P227123	1000000	LMN Company	51 BSB Building Singapore 121380	LMN Company	51 BSB Building Singapore 121380	Singapore	SGD
20090521	SGD	164385.98	PVMT	20090521	2009	P227124	1000000	LMN Company	51 BSB Building Singapore 121380	LMN Company	51 BSB Building Singapore 121380	Singapore	SGD
20090521	SGD	164385.98	PVMT	20090521	2009	P227125	1000000	HM Company	51 BSB Building Singapore 121380	HM Company	51 BSB Building Singapore 121380	Singapore	SGD

Figure 36 Source file used for creating the above common transaction template for excel files

2.6.1 Setup

Fill Setup tab.

1. Fill **Source File Name** by browsing to the common transaction source file. This file must be an Excel file.
2. Choose the name of the worksheet selecting **Worksheet** selection box.
3. Enter **Start Column** with column number (example: A,B,C,etc) to mark starting column.
4. Enter **End Column** with column number (example: A,B,C,etc) to mark ending.
5. Enter **Sample Row** with row number you want as a transaction sample data.
6. Fill **Header at Row** text box with common transaction source file header row number.
7. Fill **Transaction at Row** text box with common transaction source file first transaction row number.
8. Tick **Header as field name** to use header as field name. If Header as field name is not ticked, default field name will be Field1, Field2, and so on automatically.
9. Click Retrieve button to retrieve transaction sample.
10. Choose the decimal separator used in sample source file by selecting Decimal Separator select box.
11. Choose the date format used in sample source file by selecting Date Type select box.
12. Choose the date separator used in sample source file by selecting Date Separator select box.
13. Tick Zero in Date if date format in sample source file use character 0 (prefix zero).
14. **Duplicate Transaction Reference:** Select the fields to be used as indicator for duplicate transaction in **Reference Field** selection boxes if any. The logic among reference field select boxes is AND. If a duplicate record is found, then during common user conversion, an informative message box will be displayed indicating to the user that duplicated records were found.
15. **Filter Setting:** Choose a source file field to be filtered by selecting Filter Field select box, select a Data Type, choose a Filter Operator by

selecting the **Filter Operator** select box and enter filter value in **Filter Value** text box .

- “Contain” option means system will obtain the field value if selected field value is contained in filter value;
- “Not Contain” option means system will obtain the field value if selected field does not contain filter value.
- Range Operator can be selected, if the value needs to be limited (e.g., > AND <).

User can remove filter setting in any row by putting the cursor in the desired row and clicking **X** button. User can have as many filters as required but having too many filters will have adverse effect on System performance.

16. When multiple Filters are defined, select either the AND option to collect records satisfying all of the filter conditions, or select the OR option to collect the records satisfying any one of the filter conditions.
17. **Remittance Amount Setting** – This setting is used for determining if the Amount value in the source file is specified in Dollars (\$10.01 = Ten dollars and one cent) or in Cents (1001 = Ten dollars and one cent). When creating a new Common Template, the Remittance Amount setting is defaulted to Dollar.

For example, Remittance Amount for GCMS format is in dollar value, selecting Dollars as the Remittance Amount Setting will not change the value of the Remittance Amount as given in the source file. But if the common user selects Cents as the Remittance Amount, then the amount in the source file is divided by 100 in order to obtain the dollar value of the Remittance Amount. The user creating the common template is requested to check that the Remittance Amount Setting selected matches with the amount in the source file.

If Cents option is chosen in Remittance Amount Setting, Number Setting should not have decimal separator. If both settings were set, system will prompt a warning message “Cents setting in ‘Remittance Amount’ and decimal separator should not co-exist. Do you want to proceed this setting?” when user saves or previews the Common Template.
18. **Advice Record Setting** – For the iRTMS output format, the super user must select the way the Advice Record is formatted in the source file. For a detailed explanation on the Advice Record Setting, please see [Advice Record](#) Setting section.

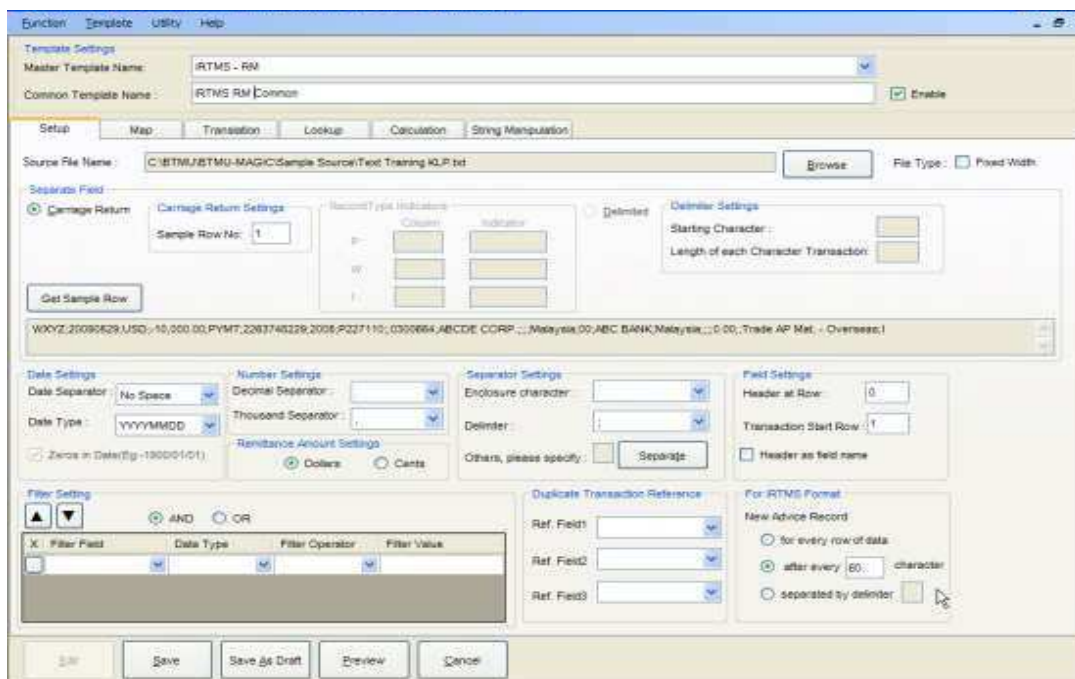
Setting up for iFTS2 MultiLine and Mr. Omakase India formats.

- Start Column denotes the leftmost column used by ‘H’, ‘P’, ‘W’ or ‘I’ records in one transaction.
- End Column denotes the rightmost column used by ‘H’, ‘P’, ‘W’ or ‘I’ records in one transaction.
- Sample Row should be the row number of any P-record.
- Header as Field Name will be disabled for these formats. System will auto generate the field names. P-fields will be named as P-Field1, P-Field2 etc, W-fields will be named as W-Field1, W-Field2 etc and I-fields will be named as I-Field1, I-Field2 etc,

-
- Record Type Indicator setting must be provided before retrieving the sample row data. Please refer to Record Type Indicator section for more details.
 - Duplicate Transaction Reference setting will display only Payment Source Fields.
 - The Filter Field in the Filter Setting will list only the P-fields.
 - Record Type Indicator Setting :-
 - P Column is used to specify the column number of the column used to identify the P-record. This is mandatory
 - P Indicator is used to specify the Indicator used to identify the P-record. This is mandatory.
 - W Column is used to specify the column number of the column used to identify the W-record. This is optional.
 - W Indicator is used to specify the Indicator used to identify the W-record. This is Optional.
 - I Column is used to specify the column number of the column used to identify the W-record. This is optional.
 - I Indicator is used to specify the Indicator used to identify the I-record. This is Optional.

2.6.2 Advice Record Setting

The iRTMS format consists of a Transaction Record and optionally one or multiple Advice Records. Due to the need to specify how the Transaction Record and Advice Records are contained in the source file, COMSUITE Conversion Tool allows the super user to specify three different ways in which the Transaction Record and the Advice Records can be presented in the source file.



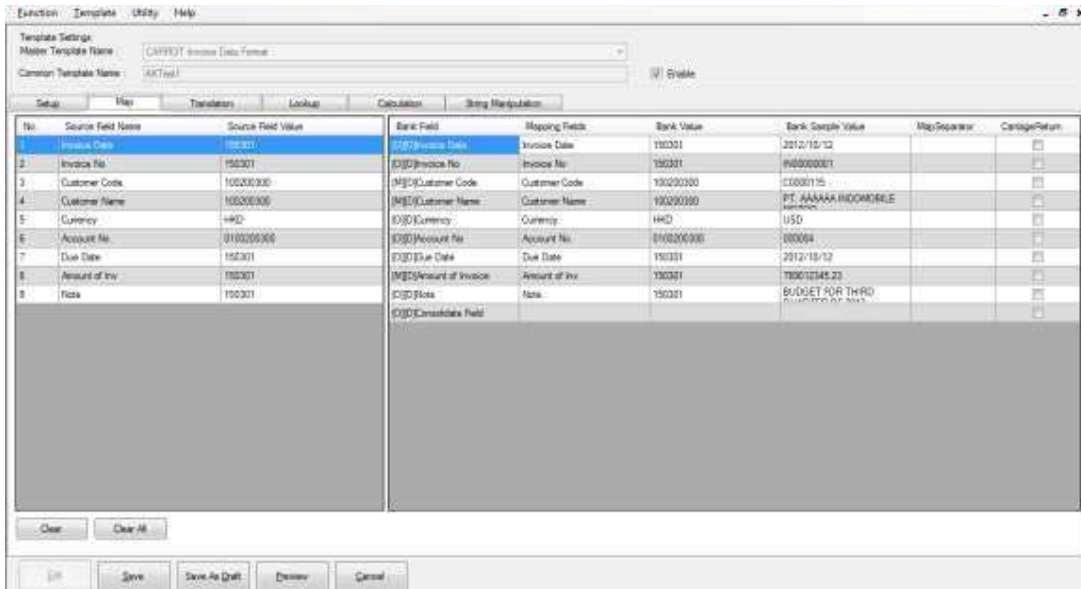
The screenshot shows the 'Setup' tab of the COMSUITE Conversion Tool. The 'Master Template Name' is set to 'RTMS - RM' and the 'Common Template Name' is 'RTMS RM Common'. The 'Enable' checkbox is checked. The 'Source File Name' is 'C:\BTMU\BTMU-MAGIC\Sample Source\Text Training KLP.txt'. The 'Carriage Return' section has 'Sample Row No.' set to '1'. The 'Record Type Indicators' section has 'Indicator' set to '1'. The 'Delimiter Settings' section has 'Starting Character' and 'Length of each Character Transaction' set to '1'. The 'Date Settings' section has 'Date Separator' set to 'No Space' and 'Date Type' set to 'YYYYMMDD'. The 'Number Settings' section has 'Decimal Separator' and 'Thousand Separator' set to ' '. The 'Separator Settings' section has 'Enclosure character' set to ' ' and 'Delimiter' set to ' '. The 'Field Settings' section has 'Header at Row' set to '0' and 'Transaction Start Row' set to '1'. The 'Filter Setting' section has 'Filter Field' set to 'X' and 'Filter Operator' set to 'AND'. The 'Duplicate Transaction Reference' section has 'Ref. Field1', 'Ref. Field2', and 'Ref. Field3' set to ' '. The 'For RTMS Format' section has 'New Advice Record' set to 'after every 60 character'. A sample row of data is displayed in the center: 'WOYZ,20090529,USD,-10,000.00,PYMT,2263740329,2008,P227110,0300664,ABCOE CORP.,,Malaysia,00,ABC BANK,Malaysia,,0.00,,Trade AP Mat. - Overseas,1'.

Figure 37 Advice Record Setting for Excel Files

- **New Advice Record For Every Row of Data:** This option indicates that there is exactly one Advice Record for every Transaction Record.
- **New Advice Record After Every xx Characters:** This option indicates that all the Advice Records for a particular transaction are present along with the transaction itself, but each Advice Record consists of exactly xx Characters.
- **New Advice Record Separated by Delimiter:** This option is similar to the above option where all the Advice Records for a particular transaction are present along with the transaction itself in a single line of data, but each Advice Record is separated by a Delimiter.

2.6.3 Map

Click Map tab, perform the following actions:



No.	Source Field Name	Source Field Value	Bank Field	Mapping Fields	Bank Value	Bank Sample Value	Map Separator	Carriage Return
1	Invoice Date	100001	IBD Invoice Date	Invoice Date	100001	2012/10/12		
2	Invoice No.	100001	IBD Invoice No.	Invoice No.	100001	100000001		
3	Customer Code	100000000	IBD Customer Code	Customer Code	100000000	0000115		
4	Customer Name	100000000	IBD Customer Name	Customer Name	100000000	PT. AAAAAA INDOMOLE		
5	Currency	USD	IBD Currency	Currency	USD	USD		
6	Account No.	0100000000	IBD Account No.	Account No.	0100000000	000004		
7	Due Date	100001	IBD Due Date	Due Date	100001	2012/10/12		
8	Amount of Inv.	100001	IBD Amount of Invoice	Amount of Inv.	100001	100000000.00		
9	Title	100001	IBD Title	Title	100001	BUDGET FOR THIRD		

Figure 38 Mapping information for common templates for Excel files

- Select a Source Field, drag and drop it onto a Bank Field or vice versa. The Mapping Fields in the right grid will show the source field to which the Bank Field is mapped. If there exists Many-to-one mapping for the Bank Fields, the Mapping Field will show the Source Fields separated by '|'|.
- **Many-to-One mapping:** When multiple source fields are mapped to one bank field then such a mapping is known as **many-to-one** mapping. The value of the bank field is equal to the concatenation of all the source fields in the order in which they were mapped. During Many-to-One mapping, a separator might be present between the different customer fields. The administrator configures this separator during the creation of the Master Template.
- The value of Map Separator will be used to separate the field values of **Many-to-On** mapping.
- Check the Carriage Return will show the field values of **Many-to-On** mapping in separate line.
- **One-to-Many mapping:** If one source field is mapped to multiple bank fields, it is known as **One-to-Many** mapping. In one-to-many mapping all the bank fields have the same source field value.
- To clear all mapping, click the **Clear All** button.
- To clear selected mapping, select the mapped source field and bank field and click on the **Clear** button.

Mapping for iFTS2 MultiLine and Mr. Omakase India Formats

- The P-Fields in the Source file can only be mapped to P Bank Fields. Likewise, W-Fields in the Source file can only be mapped to W Bank Fields and I-Fields in the Source file can only be mapped to I-Fields.

- The Record Type Indicators must be mapped to the corresponding fields in the Source files which is used to identify the records.

For example, if in the Setup tab, P Column is specified as 2, then the Bank Field for P Record Type must be mapped to P-Field2.

- If the Record Type Indicators are other than the default value then the field must be translated.

For example, if in the Setup tab, P Indicator is ABC, then the Bank Field for P Record Type must be translated to the default value (P) using the Translator Setting

2.6.4 Translation

By default the system will load all the bank fields that have default values. The administrator sets default values for a particular bank field during the creation of the output template. You can personalize the translation grid as the following:

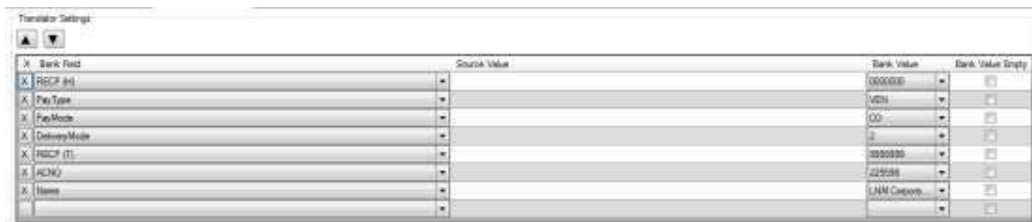


Figure 39 Translator Settings for Common Templates for Excel Files

- Select any Bank Fields you want to translate.
- If you want the bank field to have the same Bank Values for all rows of data, then leave the Source Value field blank, and enter the required Bank value in the Bank value field.
- If you want the Bank value to be blank for a specified source value, then select the specified source value and check the Bank Value Empty checkbox.
- If you wish to convert a particular Source Value only, then select or enter the Source Value in the Source Value field.
- Click on "X" button to delete any rows, if necessary.

The **Editable Settings** allow the super user to specify the fields that can be edited by the common user during the conversion process. **By default, all bank fields are non-editable.**

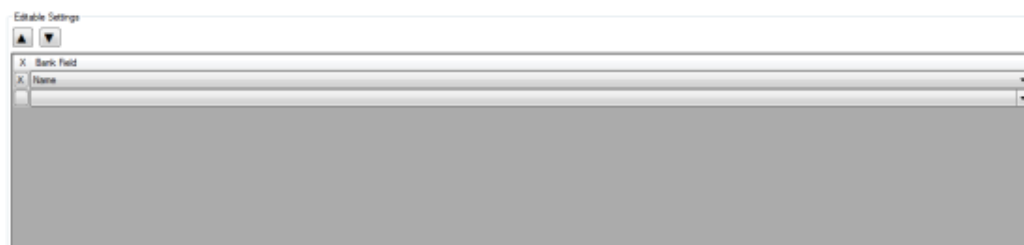


Figure 40 Editable settings for Common Templates for Excel files

- Click on "X" button to delete any rows, if necessary.

2.6.5 Lookup

If a Bank Field needs to refer a value from a database table, The Lookup settings can be created. There are ten predefined database tables: Table1, Table2, Table3 to Table10 that contain master data values in 30 columns which can be looked up for Bank Fields during Conversion and Preview. One of the Source field value can be selected to filter out the lookup value. The four tables shall be loaded with master data values before using Lookup settings. Super user can load master values into the four tables. To define a lookup setting for a Bank Field, Its required to supply Source field that shall be used as key to filter out a value from one of the four data tables.



Figure 41 Lookup Settings for Common Templates for Text Files

- Select the Bank Field to assign a value from database table.
- Select the Source Field that will filter out the Lookup value from database table.
- Select one of the four tables that have the lookup value required by the Bank Field.
- Select the Lookup key Column that can filter out the Lookup value.
- Select the Lookup Value Column that's looked up at the selected table

For example: for the given Settings in the above Figure, the following database table query is selecting a value for Bank Field *Customer Reference*

SELECT C03 FROM Table1 WHERE C01 = <Corresponding value of Source Field Field2>

- Select the row, and then click the **X** button to remove the selected row if necessary.

2.6.6 Calculation

Calculation Settings can be created to assign a Bank Field with an arithmetic Sum / Subtraction of two or three source field values:



Figure 42 Calculation Settings for Common Templates for Text Files

- Select the Bank Field that's required to be calculated from Source Field values.
- Select the Operand1/Operand2/Operand3 as required. Minimum two Operands are required.
- Select either +/-/*/ from Operator1. Select *None* for Operator2, if there are only two Operands used to calculate the Bank Field Value.
- For example: In the above figure the Bank Field *Bank Charges* is calculated as the sum of *Field4* and *Field5*.
- Select the row, and then click the **X** button to remove the selected row if necessary.

Lookup and Calculation Settings for iFTS2 MultiLine and Mr. Omakase India formats

- Lookup and Calculation is allowed only for Payment Bank Fields.
- In the Lookup Setting, Bank Field and Source Field drop down will only show the Payment Bank Fields and Payment Source Fields respectively.
- In the Calculation Setting, Bank Field drop down will only show the Payment Bank Fields and Operand1, Operand2 and Operand3 drop down will show only the Payment Source Fields.

2.6.7 String Manipulation

The String Manipulation tab allows the super user to extract only parts of the final value of a specific bank field. String manipulation is applied to the value of the bank field, after the filter setting and Translate functionalities are applied to the bank fieldvalue.

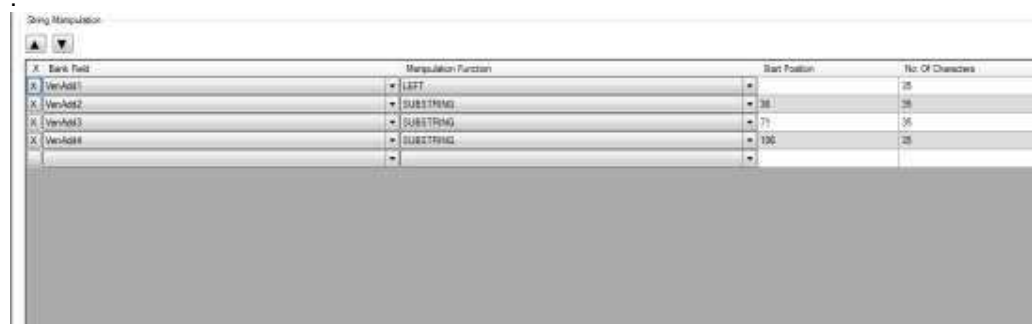


Figure 43 String Manipulation settings for Common Templates for Excel files

- Select any Bank Field to be manipulated.
- Select any one of the following Manipulation Functions:
 1. **LEFT**: Use this function to extract a substring of a selected Bank Field, starting from Start Position 0, moving right, up to No. of Characters in length.

For example: selected Bank Field value = '1234567890',
Manipulation Function = "LEFT", No. of Characters = 6

Result is **123456**

-
2. **RIGHT**: Use this function to extract a substring of a selected Bank Field, starting from the End Position of the selected Bank Field, moving left, up to No. of Characters in length.

For example: selected Bank Field value = '1234567890',
Manipulation Function = "**RIGHT**", No. of Characters = **6**

Result is **567890**

3. **SUBSTRING**: Use this function to extract a substring of a selected Bank Field, starting from the Start Position specified, moving right, up to No. of Characters in length.

For example: selected Bank Field value = '1234567890',
Manipulation Function = "**SUBSTRING**", Start Position = **2**, No. of Characters = **6**

Result is **345678**

4. **REMOVE**: Use this function to remove a substring from a selected Bank Field, starting from the Start Position specified, moving right, up to No. of Characters in length. The "left over" part(s) of the original string will be concatenated.

For example: selected Bank Field value = '1234567890',
Manipulation Function = "**REMOVE**", Start Position = **5**, No. of Characters = **2**.

Result is **12345890**

5. **REMOVE LAST**: Use this function to remove a right most substring from a selected Bank Field, starting from the End Position of the Bank Field, moving left, up to No. of Characters in length.

For example: selected Bank Field value = '1234567890',
Manipulation Function = "**REMOVE LAST**", No. of Characters = **2**.

Result is **12345678**

6. **TRIM**: Use this function to remove the leading and trailing spaces.

For example: selected Bank Field value = ' 1234567890 ',
Manipulation Function = "**TRIM**".

Result is **1234567890**

7. **LEFT & TRIM**: Use this function to extract a substring of a selected Bank Field, starting from Start Position 0, moving right, up to No. of Characters in length and then remove the leading and trailing spaces.

For example: selected Bank Field value = '12345 67890',
Manipulation Function = "**LEFT & TRIM**", No. of Characters = **6**

Result is **12345**

-
8. **RIGHT & TRIM:** Use this function to extract a substring of a selected Bank Field, starting from the End Position of the selected Bank Field, moving left, up to No. of Characters in length and then remove the leading and trailing spaces.

For example: selected Bank Field value = '12345 67890',
Manipulation Function = "**RIGHT & TRIM**", No. of Characters = **6**

Result is **67890**

9. **SUBSTRING & TRIM:** Use this function to extract a substring of a selected Bank Field, starting from the Start Position specified, moving right, up to No. of Characters in length and then remove the leading and trailing spaces.

For example: selected Bank Field value = '12 34 567890',
Manipulation Function = "**SUBSTRING & TRIM**", Start Position = **2**,
No. of Characters = **6**

Result is **34**

10. **REMOVE & TRIM:** Use this function to remove a substring from a selected Bank Field, starting from the Start Position specified, moving right, up to No. of Characters in length. The "left over" part(s) of the original string will be concatenated and then remove the leading and trailing spaces.

For example: selected Bank Field value = '1234 567890',
Manipulation Function = "**REMOVE & TRIM**", Start Position = **5**, No. of Characters = **8**.

Result is **1234**

11. **REMOVE LAST & TRIM:** Use this function to remove a right most substring from a selected Bank Field, starting from the End Position of the Bank Field, moving left, up to No. of Characters in length and then remove the leading and trailing spaces.

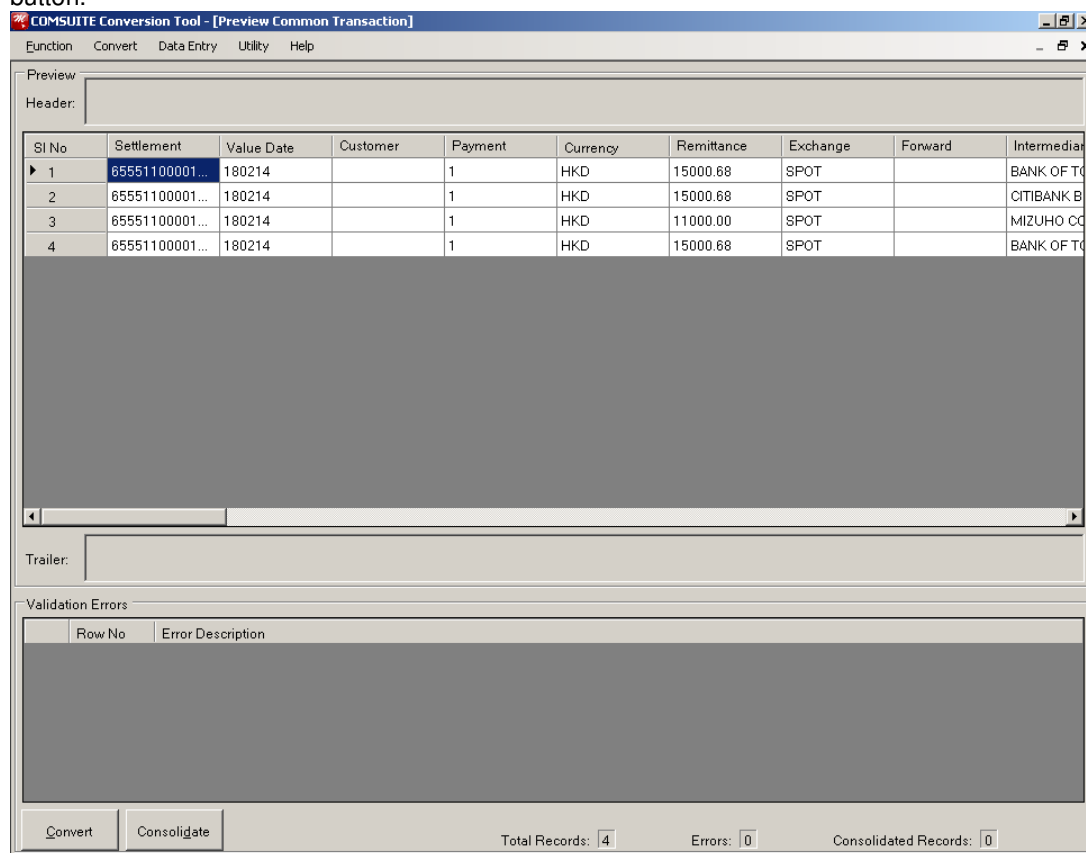
For example: selected Bank Field value = '12345678 90',
Manipulation Function = "**REMOVE LAST & TRIM**", No. of Characters = **2**.

Result is **12345678**

- Select a row, and click the **X** button to remove selected row, if necessary.

2.6.8 Preview

The Super User can preview the Common Transaction Template by clicking on the **Preview** button.



SI No	Settlement	Value Date	Customer	Payment	Currency	Remittance	Exchange	Forward	Intermedia
1	65551100001...	180214		1	HKD	15000.68	SPOT		BANK OF TO
2	65551100001...	180214		1	HKD	15000.68	SPOT		CITIBANK B
3	65551100001...	180214		1	HKD	11000.00	SPOT		MIZUHO CC
4	65551100001...	180214		1	HKD	15000.68	SPOT		BANK OF TO

Figure 44 Preview common transaction template for Excel files

- **Note:** In preview mode, the super user cannot modify the value of any of the Bank fields.
- The Super User can modify the values of the different parameters and can preview how it affects the final displayed data.

2.6.9 Save As Draft

To save an incomplete Common Template, click on the **<Save As Draft>** button and the system uses Common Template name as the filename. The template is encrypted and saved under the specified draft folder with a filename extension .mct.

Draft Common Templates for Excel file will be saved under the **Common Excel\Draft** folder. Saving a template as draft template removes existing normal template and vice versa while saving Normal Template. Thus it avoids the existence of duplicate copies of a template at anytime. All validations on the Common Template will not be carried out while saving Common Template as Draft.

To retrieve an incomplete Common Template, Select the draft template from the **View Draft** Listing and edit it to complete the creation of common template.

COMSUITE Conversion Tool - Generate Common Transaction Template - Excel (MA2010)

Function Template Utility Help

View View Draft

Filter By:

Common Template Name: Filter

Common Template Name	Master Template Name	Source File Name	Worksheet Name	Template Enabled
140424-ACH-Test Copy	Auto Cheque Import	C:\BTMU\BTMU\MAGOC\Sample Source\ACH_XLS_140414Test.xls	ACH-GENERAL	<input checked="" type="checkbox"/>
Abcode VFS Invoice Data - 20160519	VFS Invoice Data_For Abcode	C:\BTMU\BTMU\MAGOC\Sample Source\20160519_VFS testing data\abcode.xls	Data	<input checked="" type="checkbox"/>
autoCheque	Auto Cheque Import	C:\Documents and Settings\Administrator\Desktop\Sample AR Data.xls	Sheet1	<input checked="" type="checkbox"/>
Common Template VFS - Excel 10Sep2009	VFS	D:\Test Data\Sample Source\VFS_XL_SAMPLE_1.xls	Sheet3	<input checked="" type="checkbox"/>
IFT for MEA HQ	SPS-Master-Template	C:\BTMU\BTMU\MAGOC\Sample Source\Beneficiary Master for MEA HQ.xls	IFT	<input checked="" type="checkbox"/>
IFT for Osaka Ops	SPS-Master-Template	C:\BTMU\BTMU\MAGOC\Sample Source\BTMU\GOC Australia source file.xls	IFT	<input checked="" type="checkbox"/>
Funds transfer	Funds Transfer Instruction	C:\Documents and Settings\Administrator\Desktop\Funds Transfer.xls	Sheet1	<input checked="" type="checkbox"/>
GOMS Debug	GOMS Plus - HONG KONG	C:\Documents and Settings\Administrator\Desktop\sampleGOMSplus2.xls	Sheet1	<input checked="" type="checkbox"/>
GOMS Hong Kong Test slash 2 mnddyyyy	GOMS Plus - HONG KONG	C:\Documents and Settings\Administrator\Desktop\others\sampleGOMSplus...	Sheet1	<input checked="" type="checkbox"/>
GOMS Hong Kong Test slash 3 yyyymmdd	GOMS Plus - HONG KONG	C:\Documents and Settings\Administrator\Desktop\others\sampleGOMSplus...	Sheet1	<input checked="" type="checkbox"/>
GOMS Hong Kong Test slash ddmmyyyy	GOMS Plus - HONG KONG	C:\Documents and Settings\Administrator\Desktop\others\sampleGOMSplus...	Sheet1	<input checked="" type="checkbox"/>
GOMS Plus (Taiwan) Debug	GOMS Plus - Taiwan	C:\Documents and Settings\Administrator\Desktop\sampleGOMSplus2.xls	Sheet2	<input checked="" type="checkbox"/>
MRL-ROHM-GOMS-TESTING - BENE	GOMS - PHILIPPINES - aut1 D	C:\Program Files\BTMU\MAGOC\sample source\Autofax BOTM.xls	Z_BOTM	<input checked="" type="checkbox"/>
tt1	Auto Cheque Import	C:\Documents and Settings\Administrator\Desktop\BTMU\MAGOC_V2.0 Sour...	ACH-GENERAL	<input checked="" type="checkbox"/>
Test for the character truncation	FTD2 SingleLine Master Template	C:\BTMU\BTMU\MAGOC\Sample Source\Sample2.xls	TOTAL	<input checked="" type="checkbox"/>
Test for the character	FTD2 SingleLine Master Template	C:\BTMU\BTMU\MAGOC\Sample Source\The Chart.xls	TOTAL	<input checked="" type="checkbox"/>
testFVMM\Comm\Excel	testFV	C:\BTMU\BTMU\Sample Source\testFV.xls	Adjustment_O_3_Distributions	<input checked="" type="checkbox"/>
TT for MEA HQ	GOMS - AUSTRALIA	C:\BTMU\BTMU\MAGOC\Sample Source\Beneficiary Master for MEA HQ.xls	TT	<input checked="" type="checkbox"/>
UAT1	CARROT Invoice Data Format	C:\Documents and Settings\Administrator\Desktop\Sample AR Data.xls	Sheet1	<input checked="" type="checkbox"/>
uat2	CARROT Invoice Data Format	C:\Documents and Settings\Administrator\Desktop\Sample AR Data.xls	Sheet1	<input checked="" type="checkbox"/>
UAT2015	CARROT Invoice Data Format	C:\Documents and Settings\Administrator\Desktop\Sample AR Data.xls	Sheet1	<input checked="" type="checkbox"/>
uat20150915	Auto Cheque Import	C:\Documents and Settings\Administrator\Desktop\AutoCheque & Auto Debit...	Sheet1	<input checked="" type="checkbox"/>
uat3	CARROT Invoice Data Format	C:\Documents and Settings\Administrator\Desktop\Sample AR Data.xls	Sheet1	<input checked="" type="checkbox"/>
uat4	CARROT Invoice Data Format	C:\Documents and Settings\Administrator\Desktop\Sample AR Data.xls	Sheet1	<input checked="" type="checkbox"/>
vfs_test	VFS Invoice Data_For Abcode	C:\Documents and Settings\Administrator\Desktop\For Full\Testing Data...	Data	<input checked="" type="checkbox"/>

New View Edit Duplicate Close

Figure 45 View/ Edit/ Duplicate a template saved as Draft

2.7 Generate a New Common Transaction Template for SWIFT Files

This function enables the customer to create a new Common Transaction Template using a SWIFT file as the source file. A common transaction template forms the blueprint that maps the customer's input source file to the bank's predefined file format.

To create a Common Transaction Template using a SWIFT file as the source file, perform the following actions:

1. Click **Template** menu, and then choose **Generate SWIFT Transaction Template** sub menu.

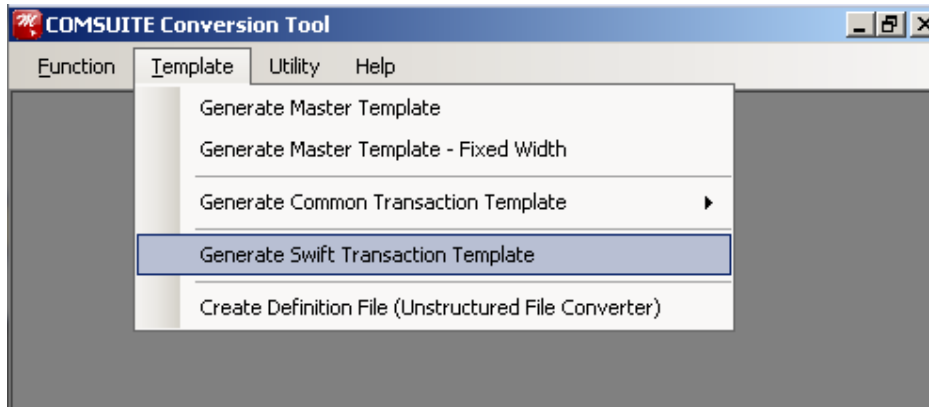


Figure 46 Menu option for Generate Common Transaction Template for SWIFT Files

2. Click the **NEW** button. A blank form will be displayed to allow the user to enter information for the new common transaction template.

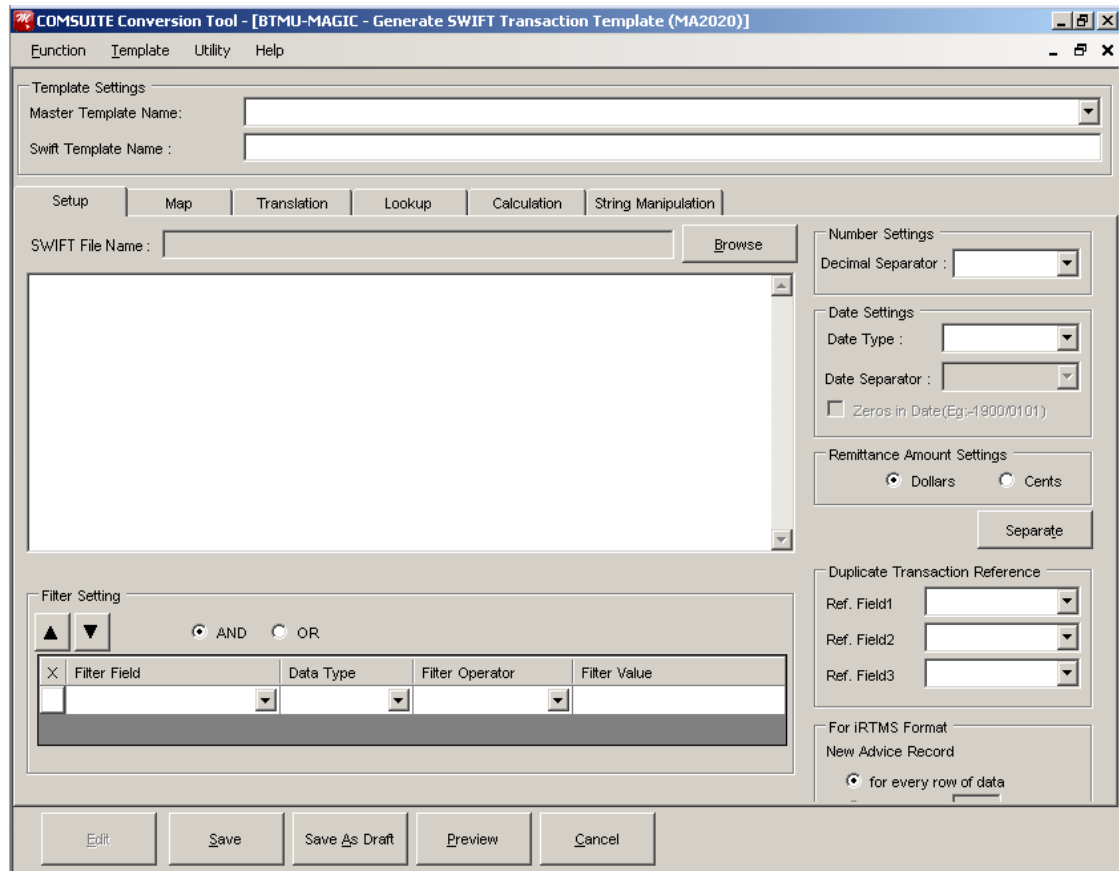


Figure 47 Click NEW to create a new Common Transaction Template for SWIFT files

1. Under **Template Setting**, fill following fields:
 - Determine which master template you want to use by selecting in **Master Template** select box.
 - Enter **SWIFT Template Name** with the name you desire. This template name will be available to the common user during conversion.
 - Fill **SWIFT File Name** by browsing to the common transaction source file. This file will be a SWIFT file format.

2.7.1 Setup

Fill Setup tab as follows:

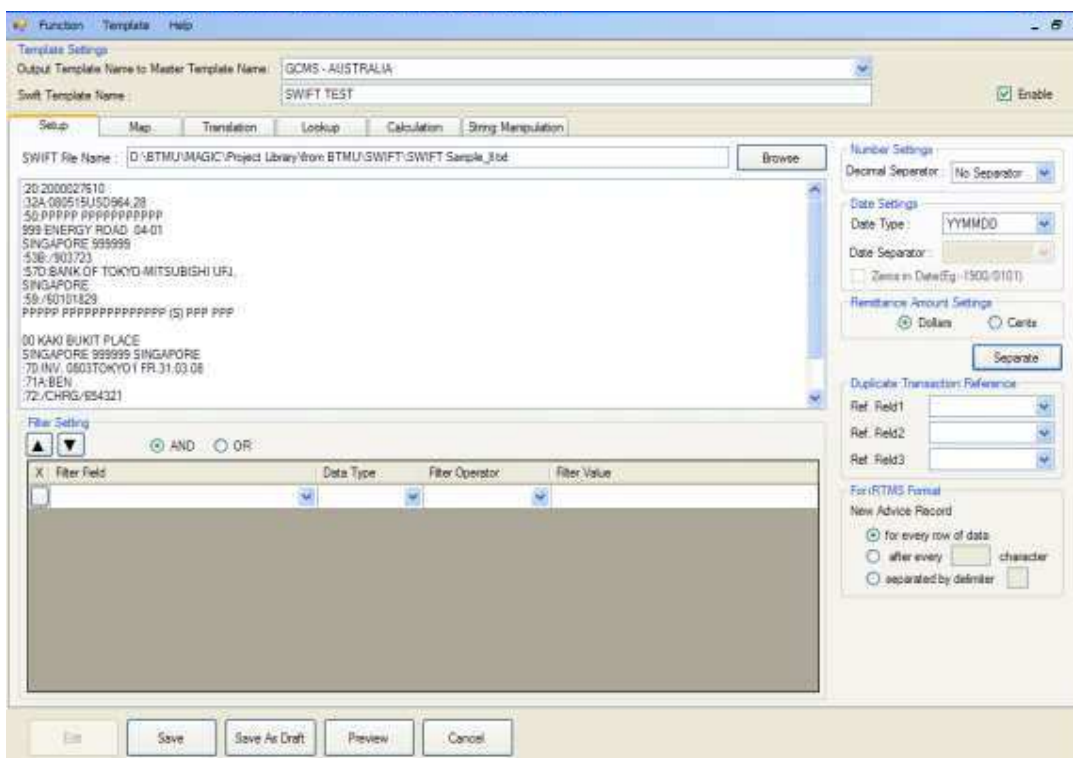
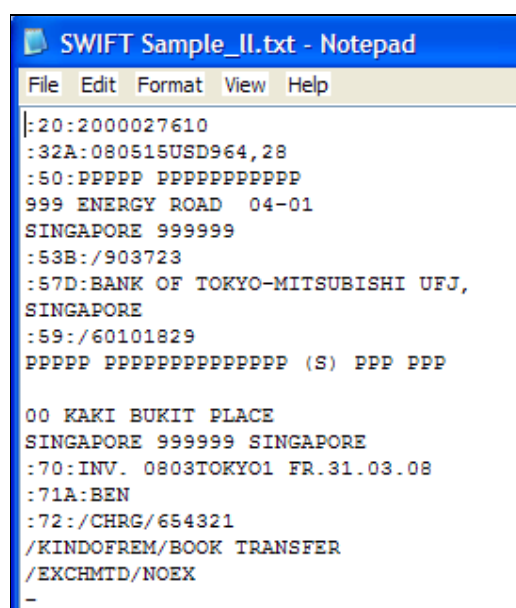


Figure 48 A New Common Transaction Template for SWIFT files with completed Setup information



```

:20:2000027610
:32A:080515USD964,28
:50:PPPPP P P P P P P P P P P
999 ENERGY ROAD 04-01
SINGAPORE 999999
:53B:/903723
:57D:BANK OF TOKYO-MITSUBISHI UFJ,
SINGAPORE
:59:/60101829
PPPPP P P P P P P P P P P (S) P P P P P

00 KAKI BUKIT PLACE
SINGAPORE 999999 SINGAPORE
:70:INV. 0803TOKYO1 FR.31.03.08
:71A:BEN
:72:/CHRG/654321
/KINDOFREM/BOOK TRANSFER
/EXCHMTD/NOEX
-
  
```

Figure 49 Source file used for creating the above common transaction template for SWIFT files

1. Choose which character is used as decimal separator in common transaction source file by selecting **Decimal Separator** selection box.
2. Choose date format is used in common transaction source file by selecting **Date Type** selection box.
3. Choose which character is used as date separator in common transaction source file by selecting **Date Separator** select box.
4. **Duplicate Transaction Reference:** Select which fields will be used as indicator for duplicate transaction in **Reference Field** select boxes if any. The logic among reference field selection boxes is AND. If a duplicate record is found, then during common user conversion, an informative message box will be displayed indicating to the user that duplicated records were found.
5. **Filter Setting:** Choose a source file field to be filtered by selecting Filter Field select box, select a Data Type, choose a Filter Operator by selecting the **Filter Operator** select box and enter filter value in **Filter Value** text box.
 - “Contain” option means system will obtain the field value if selected field value is contained in filter value;
 - “Not Contain” option means system will obtain the field value if selected field does not contain filter value.
 - Range Operator can be selected, if the value needs to be limited (e.g., > AND <).

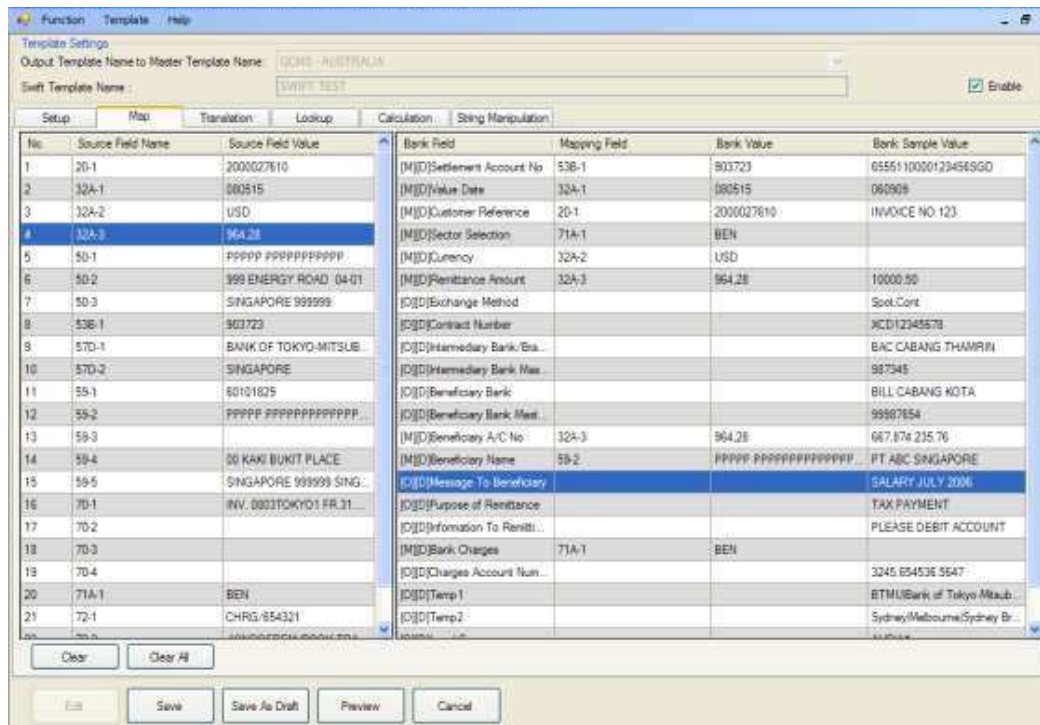
User can remove filter setting in any row by putting the cursor in the desired row and clicking **X** button. User can have as many filters as required but having too many filters will have adverse effect on System performance.
6. When multiple Filters are defined, Select either the **AND** option: to collect records satisfying all of the filter conditions, or the **OR** option: to collect the records satisfying any one of the filter conditions.
7. **Remittance Amount Setting** – This setting is used for determining if the Amount value in the source file is specified in Dollars (\$10.01 = Ten dollars and one cent) or in Cents (1001 = Ten dollars and one cent). When creating a new Common Template, the Remittance Amount setting is defaulted to Dollar.

For example, Remittance Amount for GCMS format is in Dollar value, selecting Dollars as the Remittance Amount Setting will not change the value of the Remittance Amount as given in the source file. But if the common user selects Cents as the Remittance Amount, then the amount in the source file is divided by 100 in order to obtain the dollar value of the Remittance Amount. The user creating the common template is requested to check that the Remittance Amount Setting selected matches with the amount in the source file.

If Cents option is chosen in Remittance Amount Setting, Number Setting should not have decimal separator. If both settings were set, system will prompt a warning message “Cents setting in ‘Remittance Amount’ and decimal separator should not co-exist. Do you want to proceed this setting?” when user saves or previews the Common Template.
8. **Advice Record Setting** – For the iRTMS output format, the super user must select the way the Advice Record is formatted in the source file. For a detailed explanation on the Advice Record Setting, please see [Advice Record](#) Setting section.

2.7.3 Map

Click Map tab, then do the following actions:



The screenshot shows the 'Map' tab in the EATBD application. It displays a mapping interface for a SWIFT template named 'SWIFT TEST'. The interface is divided into two main sections: 'Source Field' and 'Bank Field'.

No.	Source Field Name	Source Field Value	Bank Field	Mapping Field	Bank Value	Bank Sample Value
1	20-1	2000027610	[MID]Settlement Account No	538-1	903723	6555110000123456990
2	32A-1	080515	[MID]Value Date	32A-1	080515	060909
3	32A-2	USD	[MID]Customer Reference	20-1	2000027610	INVOICE NO 123
4	32A-3	964.28	[MID]Sector Selection	71A-1	BEN	
5	50-1	PPPPP P P P P P P P P P P	[MID]Currency	32A-2	USD	
6	50-2	999 ENERGY ROAD 0401	[MID]Remittance Amount	32A-3	964.28	10000.50
7	50-3	SINGAPORE 999999	[MID]Exchange Method			Spot Cont
8	538-1	903723	[MID]Contract Number			XCD12345678
9	570-1	BANK OF TOKYO-MITSUB	[MID]Intermediary Bank/Br			BAC CABANG THAMRIN
10	570-2	SINGAPORE	[MID]Intermediary Bank Nam			987345
11	55-1	60101825	[MID]Beneficiary Bank			BILL CABANG KOTA
12	55-2	PPPPP P P P P P P P P P P	[MID]Beneficiary Bank Nam			99907654
13	59-3		[MID]Beneficiary A/C No	32A-3	964.28	667.874.235.76
14	59-4	50 KAKI BUKIT PLACE	[MID]Beneficiary Name	59-2	PPPPP P P P P P P P P P P	PT ABC SINGAPORE
15	59-5	SINGAPORE 999999 SING	[MID]Message To Beneficiary			SALARY JULY 2006
16	70-1	INV. 0803TOKYO1 FR.31	[MID]Purpose of Remittance			TAX PAYMENT
17	70-2		[MID]Information To Remitt			PLEASE DEBIT ACCOUNT
18	70-3		[MID]Bank Charges	71A-1	BEN	
19	70-4		[MID]Charges Account Num			3245.654536.5647
20	71A-1	BEN	[MID]Temp1			BTMU/Bank of Tokyo-Mitsub
21	72-1	CHRG-654321	[MID]Temp2			Sydney/Melbourne/Sydney Br

At the bottom of the window, there are buttons for 'Clear', 'Clear All', 'Save', 'Save As Draft', 'Preview', and 'Cancel'.

Figure 51 Mapping information for common templates for SWIFT files

- Select a Source Field, drag and drop it onto a Bank Field or vice versa. The Mapping Field in the right grid will show the Source Field to which the Bank Field is mapped. If there exists a Many-to-one mapping for the Bank Fields, the Mapping Fields will show the Source Fields separated by '||'.
- Bank Values will be filled automatically with mapped Source Fields values.
- **Many-to-One mapping:** When multiple Source fields are mapped to one bank field, it is known as **many-to-one** mapping. The value of the bank field is equal to the concatenation of all the source fields in the order in which they were mapped. During Many-to-One mapping, a separator might be present between the different source fields. The administrator configures this separator during the creation of the Master Template.
- **One-to-Many mapping:** If one source field is mapped to multiple bank fields, then such a mapping is known as **One-to-Many** mapping. In one-to-many mapping all the bank fields have the same source field value.
- To clear all mappings, click the **Clear All** button.
- To clear selected mapping, select the mapped source field and bank field and then click on the **Clear** button.

2.7.4 Translation

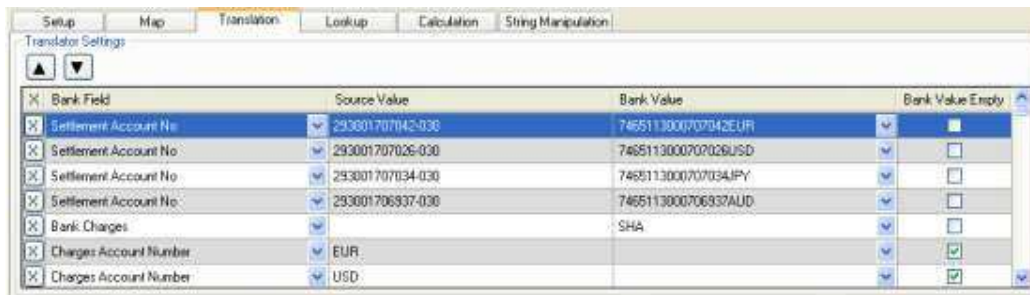


Figure 52 Translator Settings for Common Templates for SWIFT Files

- Select any Bank Fields you want to translate.
- If you want the bank field to have the same Bank Values for all rows of data, then leave the Customer Value field blank, and enter the required Bank value in the Bank value field. In the above example, **Sector Selection** for all rows of data will be **Book Transfer** and also **Bank Charges** for all rows of data will be **OUR**. Similarly **Temp1** and **Temp2** will be converted to **BTMU** and **Indonesia** respectively.
- If you want the Bank value to be blank for a specified customer value, then select the specified Customer value and leave the Bank Value field blank.
- If you wish to convert a particular Customer Value only, then select or enter the Customer Value in the Customer Value field. In the above example, if the value of **Settlement Account No** is **3233332**, then the output file will have the value **00-3233332**. All the other values of **Settlement Account No** will remain the same and will not be translated.
- Select the row, and then click the **X** button to remove the selected row if necessary.

The **Editable Settings** allow the super user to specify the fields that can be edited by the common user during the conversion process. **By default, all bank fields are non-editable.**



Figure 53 Editable Settings for Common Template for SWIFT Files

- Select the Bank Field to be set to editable in the Editable Grid.
- Select the row, and then click the **X** button to remove the selected row if necessary.

2.7.5 Lookup

If a Bank Field needs to refer to a value from a database table, The Lookup settings can be created. There are four predefined database tables: Table1, Table2, Table3, to Table10 that contain master data values in 30 columns which can be looked up for Bank Fields during Conversion and Preview. One of the Source field value can be selected to filter out the lookup value. The four tables shall be loaded with master data values before using Lookup settings. Super user can load master values into the four tables. To define a lookup setting for a Bank Field, Its required to supply Source field that shall be used as key to filter out a value from one of the four data tables.

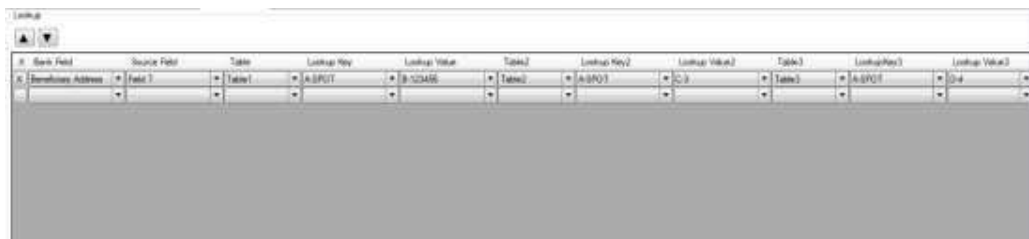


Figure 54 Lookup Settings for SWIFT Templates

- Select the Bank Field to assign a value from database table.
- Select the Source Field that will filter out the Lookup value from database table.
- Select one of the four tables that have the lookup value required by the Bank Field.
- Select the Lookup key Column that can filter out the Lookup value.
- Select the Lookup Value Column that's looked up at the selected table

For example: for the given Settings in the above Figure, the following database table query is selecting a value for Bank Field *Exchange Method*

SELECT C02 FROM Table1 WHERE C01 = <Corresponding value of Source Field 50-1>

- Select the row, and then click the **X** button to remove the selected row if necessary.

2.7.6 Calculation

Calculation Settings can be created to assign a Bank Field with an arithmetic Sum / Subtraction of two or three source field values:

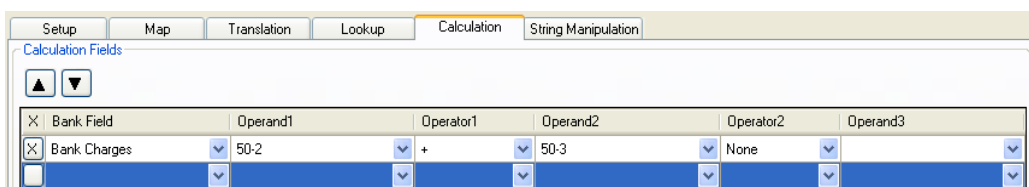


Figure 55 Calculation Settings for SWIFT Templates

- Select the Bank Field that's required to be calculated from Source Field values.

- Select the Operand1/Operand2/Operand3 as required. Minimum two Operands are required.
- Select either +/- from Operator1. Select *None* for Operator2, if there are only two Operands used to calculate the Bank Field Value.
- For example: In the above figure the Bank Field *Bank Charges* is calculated as the sum of *50-2* and *50-3*.
- Select the row, and then click the **X** button to remove the selected row if necessary.

2.7.7 String Manipulation

The String Manipulation tab allows the super user to extract only parts of the final value of the specific bank field. String manipulation is applied to the value of the bank field, after the filter setting and Translate functionalities are applied to the bank field value.



Figure 56 String Manipulation settings for Common Templates for SWIFT files

- Select any Bank Field to be manipulated.
- Select any one of the following Manipulation Functions:
 1. **LEFT**: Use this function to extract a substring of a selected Bank Field, starting from Start Position 0, moving right, up to No. of Characters in length.
For example: selected Bank Field value = '1234567890',
Manipulation Function = "**LEFT**", No. of Characters = **6**
Result is **123456**
 2. **RIGHT**: Use this function to extract a substring of a selected Bank Field, starting from the End Position of the selected Bank Field, moving left, up to No. of Characters in length.
For example: selected Bank Field value = '1234567890',
Manipulation Function = "**RIGHT**", No. of Characters = **6**
Result is **567890**
 3. **SUBSTRING**: Use this function to extract a substring of a selected Bank Field, starting from the Start Position specified, moving right, up to No. of Characters in length.
For example: selected Bank Field value = '1234567890',
Manipulation Function = "**SUBSTRING**", Start Position = **2**, No. of Characters = **6**
Result is **345678**

4. **REMOVE**: Use this function to remove a substring from a selected Bank Field, starting from the Start Position specified, moving right, up to No. of Characters in length. The “left over” part(s) of the original string will be concatenated.

For example: selected Bank Field value = ‘1234567890’,
Manipulation Function = “**REMOVE**”, Start Position = 5, No. of Characters = 2.

Result is **12345890**

5. **REMOVE LAST**: Use this function to remove a right most substring from a selected Bank Field, starting from the End Position of the Bank Field, moving left, up to No. of Characters in length.

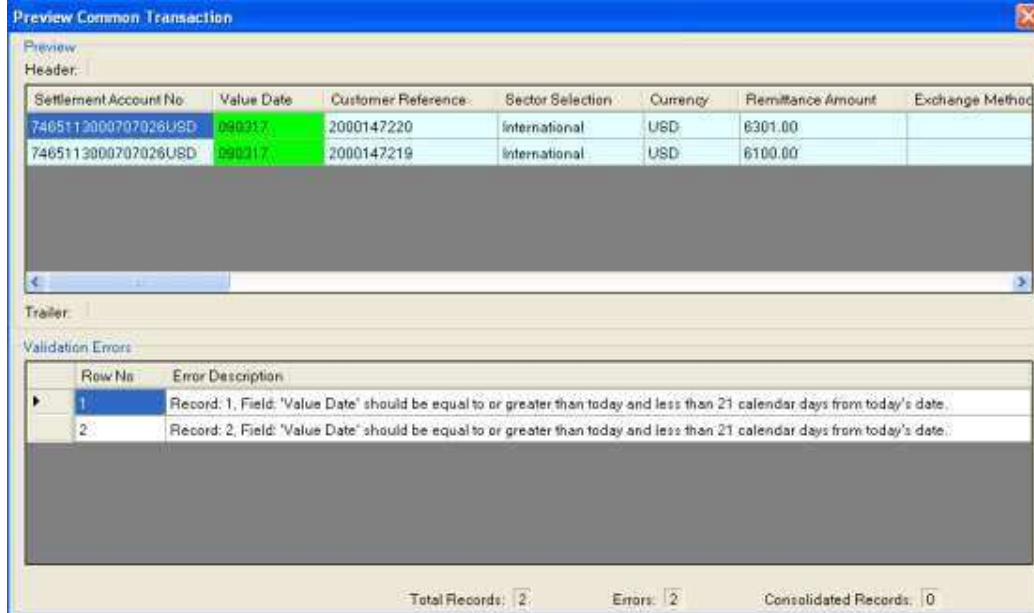
For example: selected Bank Field value = ‘1234567890’,
Manipulation Function = “**REMOVE LAST**”, No. of Characters = 2.

Result is **12345678**

- Select a row, and click the **X** button to remove selected row, if necessary.

2.7.8 Preview

The Super User can preview the SWIFT Transaction Template by clicking on the **Preview** button. In the preview, the super user can see all rows of data.



The screenshot shows a window titled "Preview Common Transaction" with a "Preview" tab. It contains a table with the following data:

Settlement Account No.	Value Date	Customer Reference	Sector Selection	Currency	Remittance Amount	Exchange Method
7465112000707026USD	090317	2000147220	International	USD	6301.00	
7465113000707026USD	090317	2000147219	International	USD	6100.00	

Below the table is a "Trailer" section and a "Validation Errors" section. The "Validation Errors" section shows two errors:

Row No	Error Description
1	Record: 1, Field: 'Value Date' should be equal to or greater than today and less than 21 calendar days from today's date.
2	Record: 2, Field: 'Value Date' should be equal to or greater than today and less than 21 calendar days from today's date.

At the bottom of the window, there is a summary bar showing: Total Records: 2, Errors: 2, Consolidated Records: 0.

Figure 57 Preview common transaction templates for SWIFT files

- **Note:** In preview mode, the super user cannot modify the value of any of the Bank fields. To modify the value, please go back to Common Template Configuration screen.
- The Super User can modify the values of the different parameters and can preview how it affects the final displayed data.

2.7.9 Save As Draft

To save an incomplete Template, click on the **<Save As Draft >** button and the system uses name of SWIFT template as the filename. The template is encrypted and saved under the specified draft folder with a filename extension .mct.

Draft Common Template for SWIFT file will be saved under the **SWIFT\Draft** folder. Saving a template as draft template removes existing normal template and vice versa while saving Normal Template. Thus it avoids the existence of duplicate copies of a template at anytime. All validations on the Common Template will not be carried out while saving Common Template as draft.

To retrieve an incomplete SWIFT Template, Select the draft template from the **View Draft** Listing and edit it to complete the creation of SWIFT template.

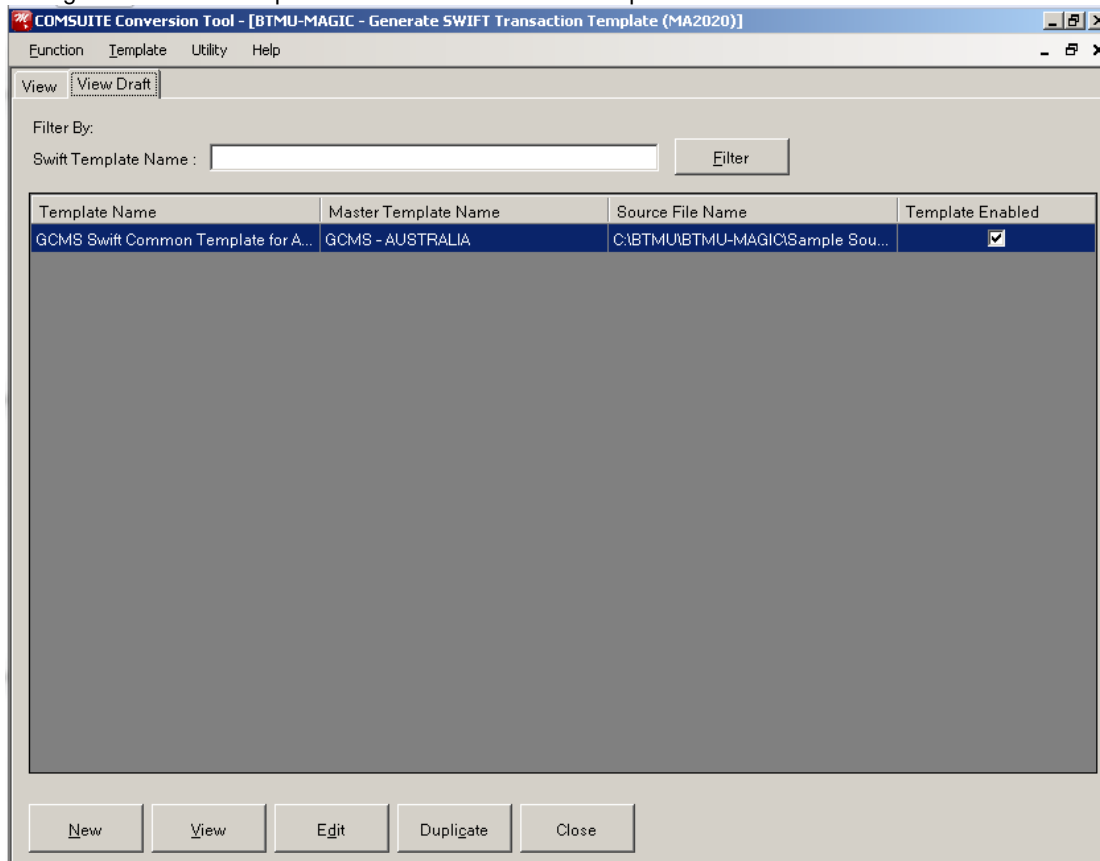


Figure 58: Create/View/Edit/Duplicate SWIFT Transaction Templates

2.8 Generate a New Common Transaction Template for Unstructured Files

This function enables the customer to generate and save a new Common Transaction Template for unstructured files. An unstructured file is a file that does not have a uniform format, which cannot be used as a source file when creating a common transaction template for text files. In such a case, the unstructured source file is defined to a structured format. This structured format of the unstructured file can then be used as the source file when creating a common transaction template.

To create a new common transaction template for unstructured files, perform the following actions:

1. Click **Template** menu and choose **Generate Common Transaction Template** and then click **Unstructured Text** sub menu.

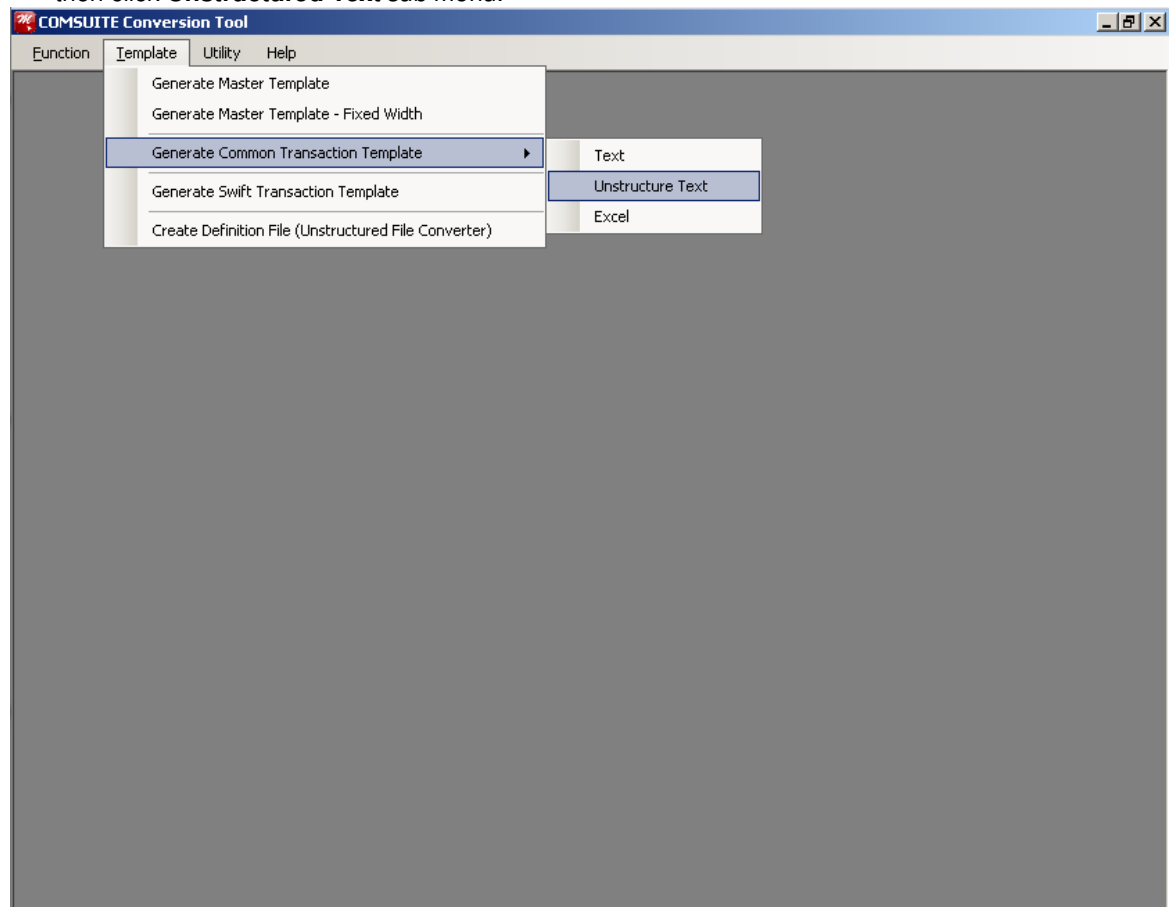


Figure 59 Menu option for Generate Common Transaction Template for Unstructured Text Files

2. Select the unstructured source file and the source definition file.

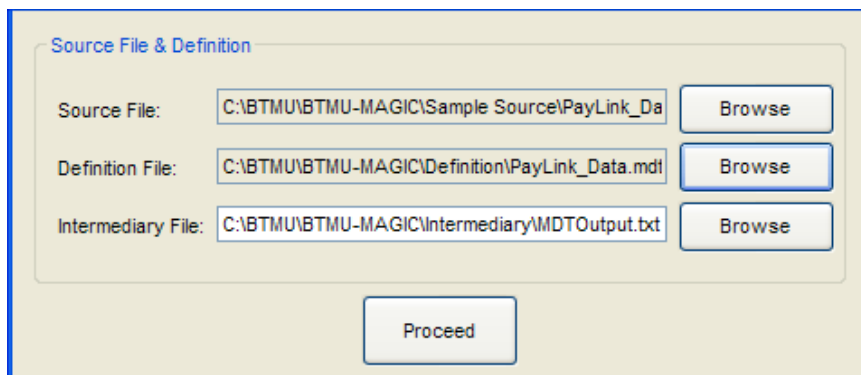


Figure 60 select the source file and the source definition

The source definition file resides in **Definition** folder. The source definition file is created by **Administrator**.

In case a definition file is not created for your unstructured file, please contact your **Administrator** to create the definition file for your unstructured source file.

When a matching unstructured source file and definition file have been selected, click on the **Proceed** button.

3. The **Generate Common Transaction Template** screen for text files will now open allowing the super user to create the common template for the unstructured file.

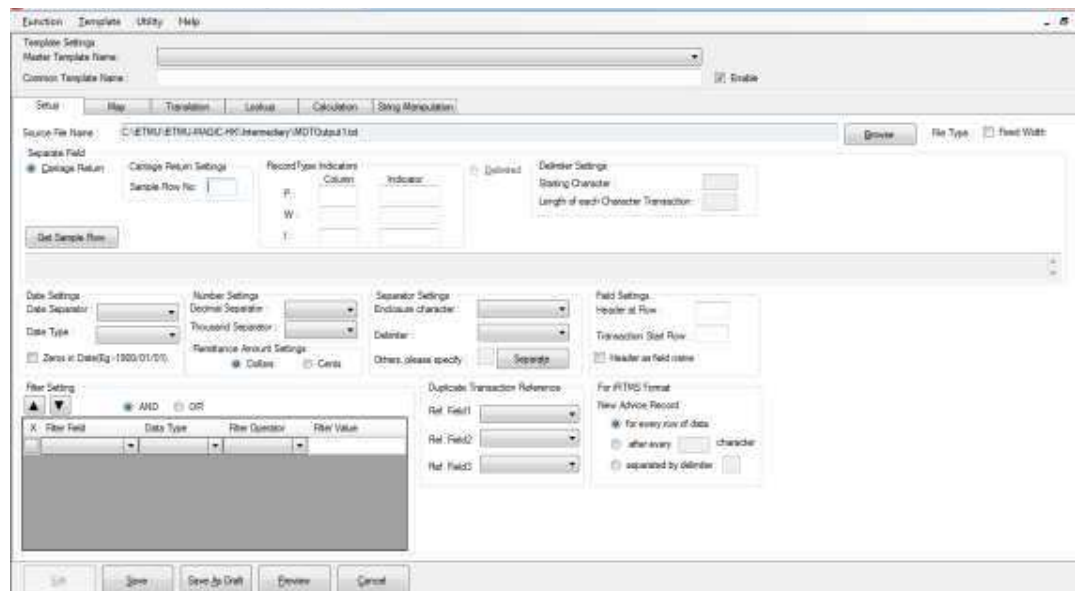


Figure 61 Generate Common Transaction Template screen for Text files with the converted structured file as source

Note that the source file name will be automatically filled. The source file name for unstructured files will be defaulted to **MDTOutput.txt** in the default **SampleSource** folder.

This **MDTOutput.txt** file will be a structured format of the unstructured source file. The

actual structure of **MDTOutput.txt** will depend on your specifications and the format of the definition file created by the **Administrator**.

4. To complete the creation of the common transaction template follow the instructions specified in [Generate a New Common Transaction Template for Text files - Setup](#).

3. Using COMSUITE Conversion Tool – Common Users

The Common Users use the Common Transaction Templates created by the Super User to generate the output files based on the Master Templates created by the Administrator.

Each Common Template can accept a text file, a CSV file, an excel file, a SWIFT file, or an unstructured text file as the input source.

3.1 Convert Common Transaction for Text Files

This function enables the customer to transform the customer's source file data in text or comma separated value or fixed width format into the MUFG Bank predefined output format. User can convert common transaction file if no validation error in source file is found.

To convert common transaction, perform the following steps:

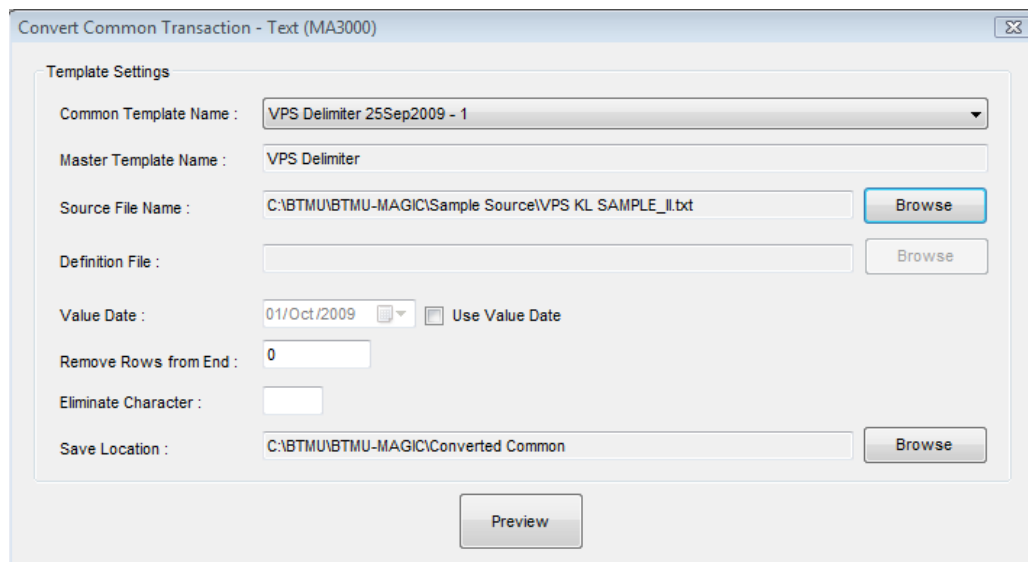
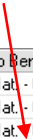


Figure 62 Convert Common Transaction for Text files screen

1. Click Convert menu, choose Common Transaction Template and then click Textsub menu
2. Select **Common Template Name**, then Master Template will be filled automatically depending on selected common template name
3. Browse Source File Name you want to convert.
4. If the Common Template is for Unstructured File, select the Definition File.
5. Tick on **Use Value Date** checkbox in case you want to change and output the Value Date to the converted file. Otherwise, leave **Use Value Date** checkbox unchecked to use the value date from source file.
6. Fill Remove Rows from End text box if you want to specify data to convert, the value must be number. This number represents how many rows will be cut off from the end of file. By default, this value is 0 indicating that no rows will be removed from the end of the file, in other words the entire file will be converted to the desired output format.

7. Fill Eliminate Character text box to specify a character to be eliminated from the output file. For example, if “-” character is entered in the Eliminate Character text box, then all occurrences of “-” character will be eliminated from the output file.



S/N	Beneficiary Name	Message To Beneficiary	Purpose of Remittance	Information To Remitting Bank	Bank Charges	Charges Account Number
1	ABCDE CORP.	Trade AP Mat. - Overseas	PYMT		OUR	227110
2	ABCDE CORP.	Trade AP Mat. - Overseas	PYMT		OUR	227112
3	ABCDE CORP.	Trade AP Mat. - Overseas	PYMT		OUR	L05008
4	ABCDE CORP.	Trade AP Mat. - Overseas	PYMT		OUR	5011-1
5	ABCDE CORP.	Trade AP Mat. - Overseas	PYMT		OUR	5011-2
6	TF PHILS. CORP.	Trade AP Mat. - Domestic	PYMT		OUR	003557
7	TF PHILS. CORP.	Trade AP Mat. - Domestic	PYMT		OUR	003558
8	TF PHILS. CORP.	Trade AP Mat. - Domestic	PYMT		OUR	003559
9	TF PHILS. CORP.	Trade AP Mat. - Domestic	PYMT		OUR	05-148
10	TF PHILS. CORP.	Trade AP Mat. - Domestic	PYMT		OUR	05-149


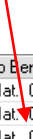


Figure 63 Output when no Eliminate Character has been specified



S/N	Beneficiary Name	Message To Beneficiary	Purpose of Remittance	Information To Remitting Bank	Bank Charges	Charges Account Number
1	ABCDE CORP.	Trade AP Mat. Overseas	PYMT		OUR	227110
2	ABCDE CORP.	Trade AP Mat. Overseas	PYMT		OUR	227112
3	ABCDE CORP.	Trade AP Mat. Overseas	PYMT		OUR	L05008
4	ABCDE CORP.	Trade AP Mat. Overseas	PYMT		OUR	50111
5	ABCDE CORP.	Trade AP Mat. Overseas	PYMT		OUR	50112
6	TF PHILS. CORP.	Trade AP Mat. Domestic	PYMT		OUR	003557
7	TF PHILS. CORP.	Trade AP Mat. Domestic	PYMT		OUR	003558
8	TF PHILS. CORP.	Trade AP Mat. Domestic	PYMT		OUR	003559
9	TF PHILS. CORP.	Trade AP Mat. Domestic	PYMT		OUR	05148
10	TF PHILS. CORP.	Trade AP Mat. Domestic	PYMT		OUR	05149




Figure 64 Output when “-”characters has been specified in the Eliminate Character text box

From the above figures, we can see that specifying the Eliminate Character will remove the specified character from the generated output file.

8. Specify the Save Location. This is the location where the converted outputfile is saved. The default is “Converted Common” in the installation folder.
9. Click Preview button, the system will display preview of converted file grid layout.

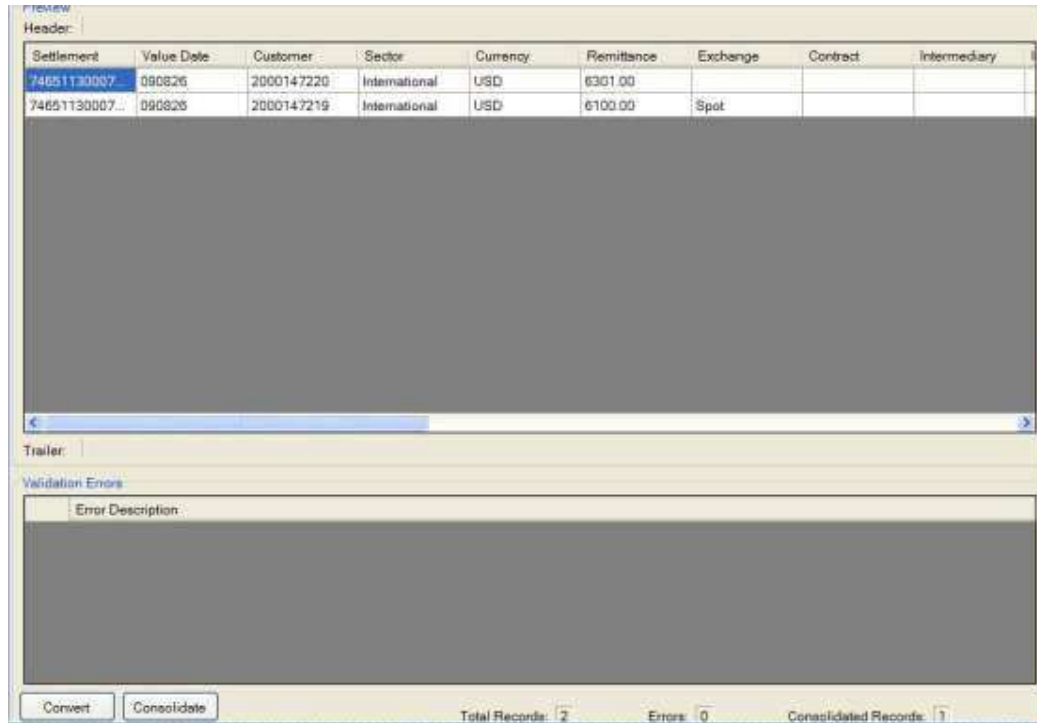


Figure 65 Preview window that displays the source file in the converted output format

10. A list of errors will be displayed in the **Validation Errors** section. Please check the [Error Messages](#) chapter to find the reason for each error and their resolution.
11. Click **Convert** button.
12. If there is error found, then the file will not be converted.
13. User will be prompted "Do you want to consolidate the data?" if the Convert button is clicked.

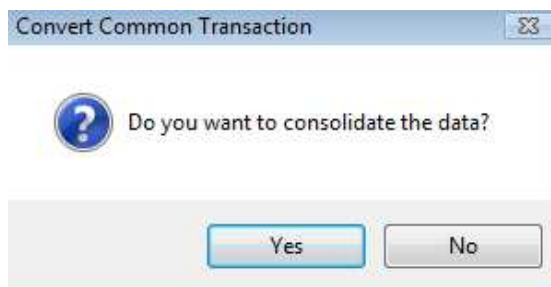


Figure 66 Asking the user if they want to use the Consolidate function

14. If No is selected, file conversion will proceed. An information message "This file has been converted before." Will be prompted if source file has been converted before.
15. The system will open Save dialog box.

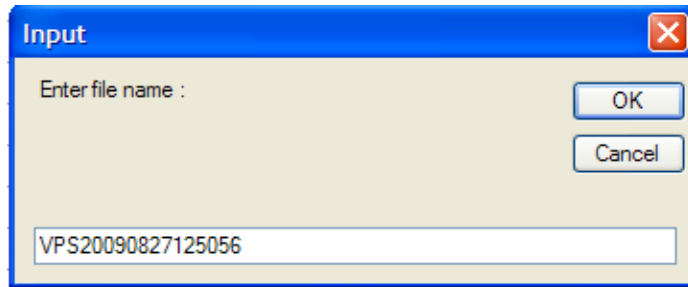


Figure 67 Enter the filename for the output file

16. A default filename will be specified based on "Output file format name + date – yyymmdd + time stamp – hhmmss". User can change this default filename. Click OK to save.
17. If an error is found during conversion due to field length errors of optional fields, then the following message will be displayed.

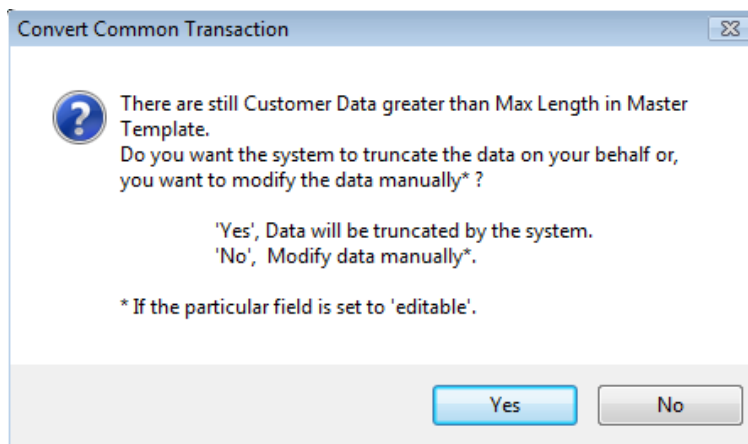


Figure 68 Asking the user if the data with invalid length should be trimmed automatically

Click **Yes** button to trim the data to its valid length and then convert it, click No to allow the user to make necessary amendments.

18. If the source file has already been converted before, user will receive the following confirmation message box.

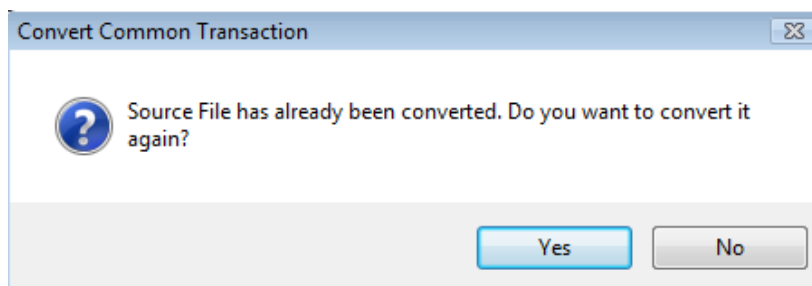


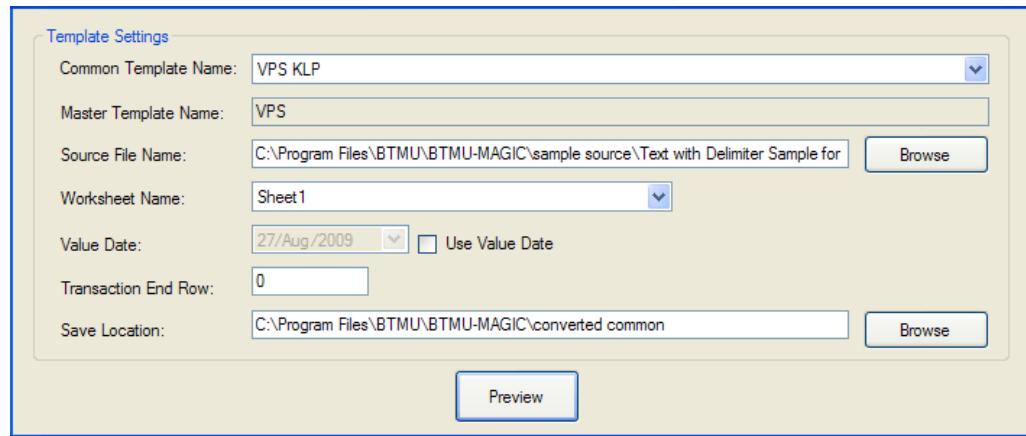
Figure 69 Converting an already Converted Text file

Click **Yes** button to proceed to convert the file, click No to stop conversion.

3.2 Convert Common Transaction for Excel Files

This function enables the customer to convert the customer's source files in Excel format into the MUFG Bank predefined output format. User converts common transaction file if no validation error in source file is found.

To convert common transaction, perform the following steps:



Template Settings

Common Template Name: VPS KLP

Master Template Name: VPS

Source File Name: C:\Program Files\BTMU\BTMU-MAGIC\sample source\Text with Delimiter Sample for

Worksheet Name: Sheet1

Value Date: 27/Aug/2009 ☐ Use Value Date

Transaction End Row: 0

Save Location: C:\Program Files\BTMU\BTMU-MAGIC\converted common

Figure 70 Convert Common Transaction for Excel files screen

1. Click Convert menu, choose Common Transaction Template and then click Excel sub menu
2. Select **Common Template Name**. Then Master Template will be filled automatically depending on selected common template name
3. Browse Source File Name you want to convert.
4. Specify the Worksheet you want to convert
5. Tick on “**Use Value Date**” checkbox in case you want to change and output the Value Date to the converted file. Otherwise, leave **Use Value Date** checkbox unchecked to use the value date from source file.
6. Fill Transaction ends at row text box with number only. This number represent transaction end row.
7. Specify the Save Location. This is the location where the converted output file is saved. The default folder is “Converted Common” in the installation folder.
8. Click Preview button, the system will display preview of converted file grid layout.

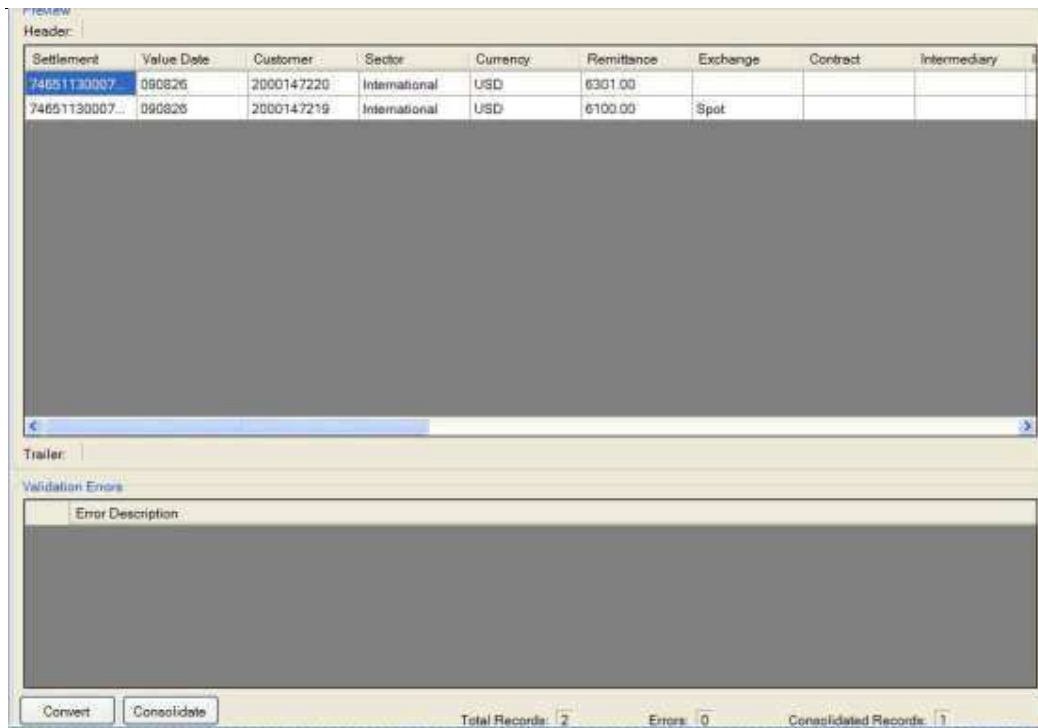


Figure 71 Preview window that displays the source file in the converted output format

9. A list of errors will be displayed in the **Validation Errors** section. Please check the [Error Messages](#) chapter to find the reason for each error and their resolution.
10. Click **Convert** button.
11. If there is error other than field length errors for optional field, then the file will not be converted.
12. User will be prompted "Do you want to consolidate the data?" message if the Convert button is clicked.

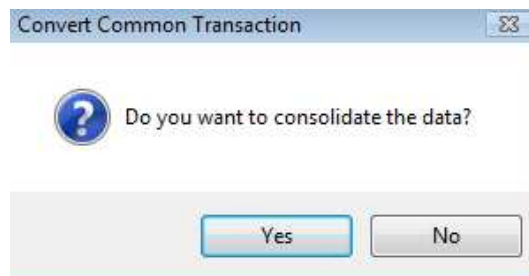


Figure 72 Asking the user if they want to use the Consolidate function

13. If No is selected, file conversion will proceed. An information message "This file has been converted before." Will be prompted if source file has been converted before.
14. The system will open Save dialog box.

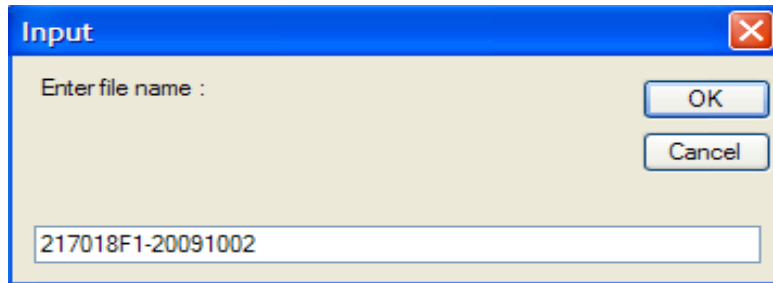


Figure 73 Enter the filename for the output file

15. A default filename will be specified based on “Output file format name + date – yyymmdd + time stamp – hhmmss”. User can change this default filename. Click OK to save.
16. If an error is found during conversion due to field length errors in optional fields, then the following message will be displayed.

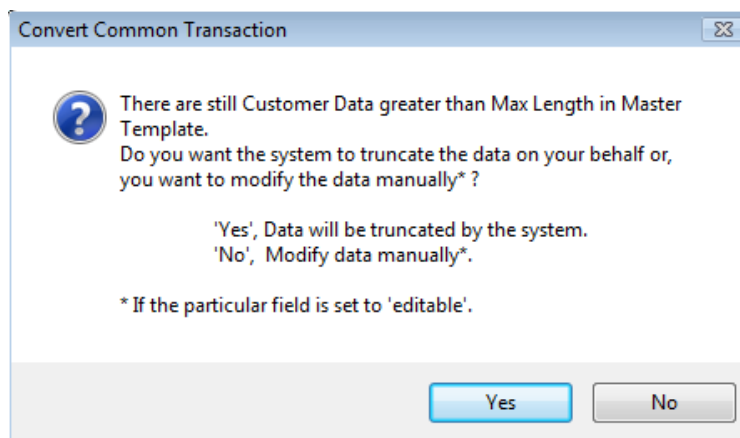


Figure 74 Asking the user if the data with invalid length should be trimmed automatically

Click **Yes** button to trim the data to its valid length and then convert it, click No to make necessary amendments.

17. In case the source file has been converted before, then the user will receive the following confirmation box.

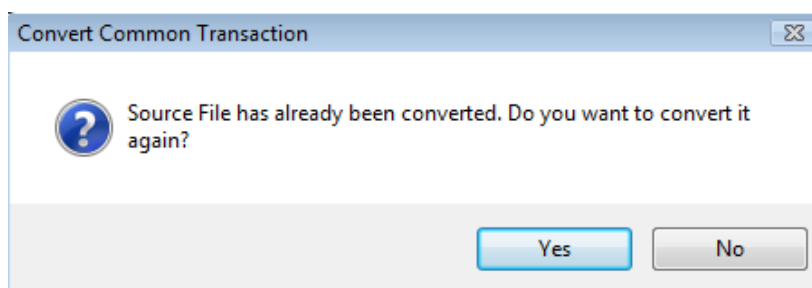


Figure 75 Converting an already Converted Excel file

Click **Yes** button to proceed to convert the file, click No to stop file conversion.

3.3 Convert Common Transaction for SWIFT Files

This function enables the customer to convert the customer's source file in SWIFT tag format into the MUFG Bank predefined output format. User converts SWIFT transaction file if no validation error in SWIFT source file is found.

To convert SWIFT transaction file, perform the following steps:

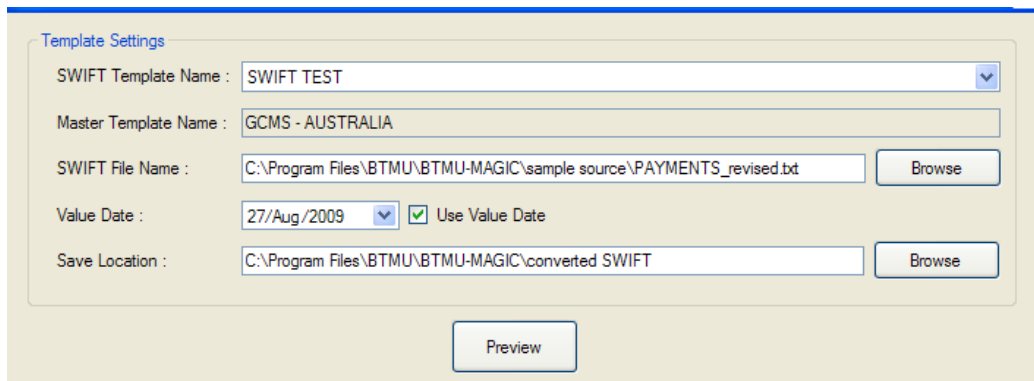


Figure 76 Convert Common Transaction for SWIFT files screen

1. Click Convert menu then click SWIFT Transaction Template submenu.
2. Select **SWIFT Template Name**. Then Master Template will be filled automatically depending on selected SWIFT template name.
3. Browse SWIFT File Name you want to convert.
4. Tick on “**Use Value Date**” checkbox in case you want to change and output the Value Date to the converted file. Otherwise, leave **Use Value Date** checkbox unchecked to use the value date from source file.
5. Specify the Save Location. This is the location where the converted output file can be saved. The default folder is “Converted SWIFT” in the installation folder.
6. Click Preview button, the system will display preview of converted file grid layout.

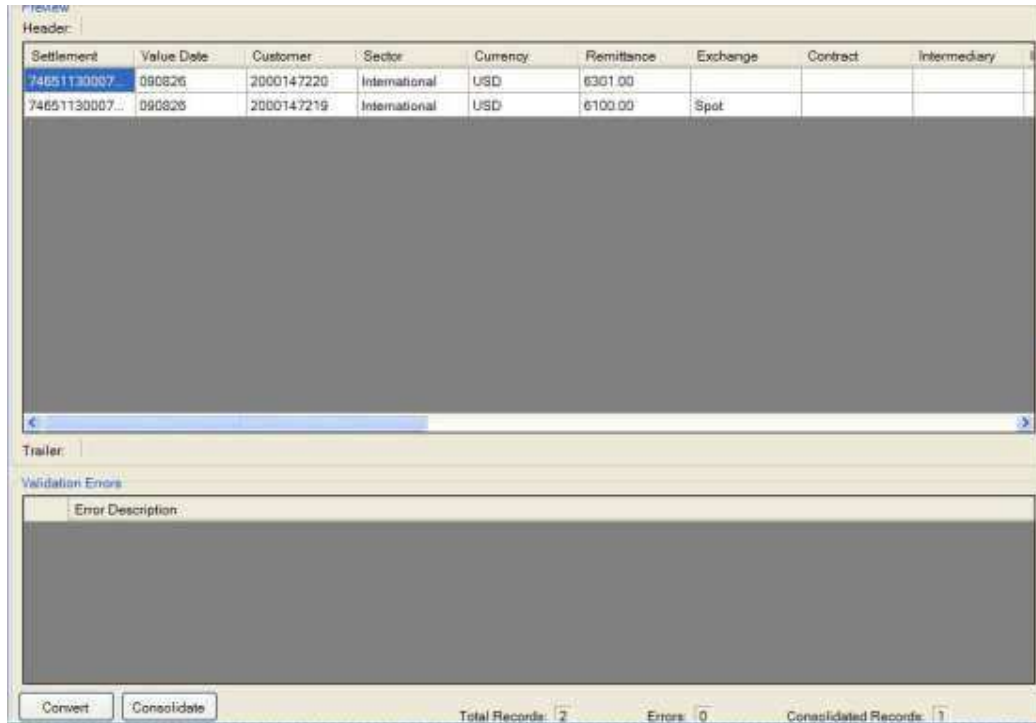


Figure 77 Preview window that displays the source file in the converted output format

7. A list of errors will be displayed in the **Validation Errors** section. Please check the [Error Messages](#) chapter to find the reason for each error and their resolution.
8. Click **Convert** button.
9. If there is error found, then the file will not be converted.
10. User will be prompted "Do you want to consolidate the data?" message, if the Convert button is clicked.

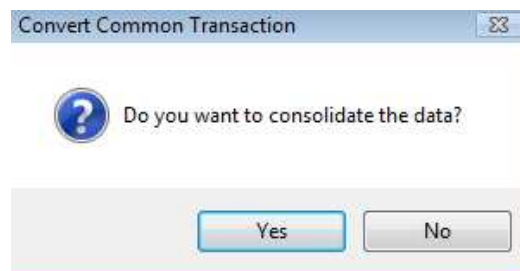


Figure 78 Asking the user if they want to use the Consolidate function

11. If No is selected, file conversion will proceed. An information message "This file has been converted before." Will be prompted if source file has been converted before.
12. The system will open Save dialog box.

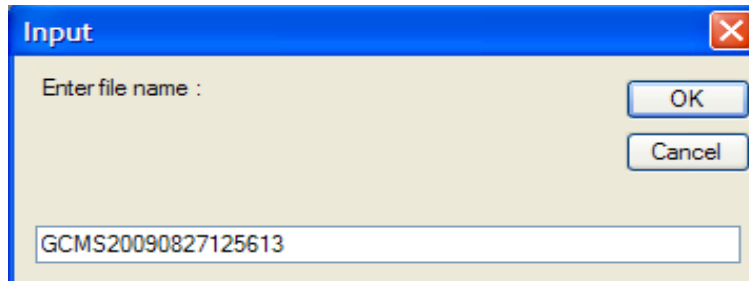


Figure 79 Enter the filename for the output file

13. A default filename will be specified based on "Output file format name + date – yyymmdd + time stamp – hhmmss". User can change this default filename. Click OK to save.
14. If an error is found during conversion due to field length errors of optional fields, then the following message will be displayed.

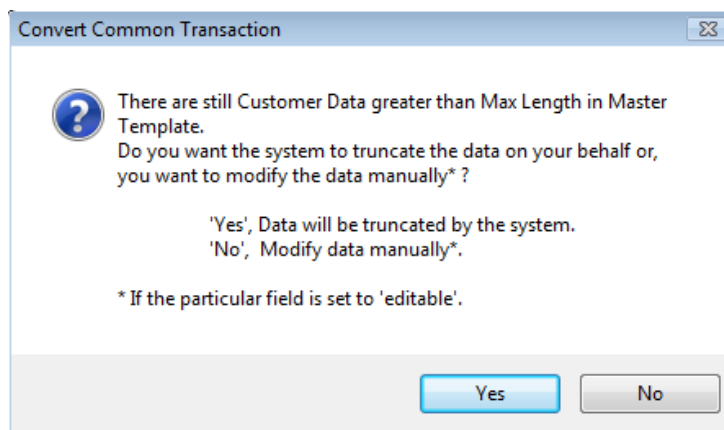


Figure 80 Asking the user if the data with invalid length should be trimmed automatically

Click **Yes** button to trim the data to its valid length and then convert it, click No to make necessary amendments.

15. In case the source file had already been converted before, then the user will receive the following confirmation box.

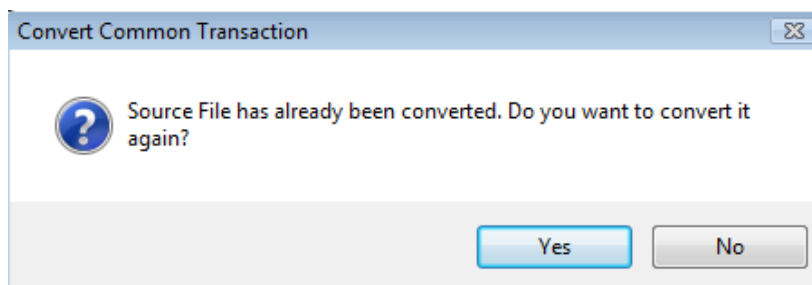


Figure 81 Converting an already Converted SWIFT file

Click **Yes** button to proceed to convert the file, click No to stop the conversion.

Data Consolidation (for advanced user)

Data consolidation allows the user to consolidate multiple records into one record and sum up the Remittance Amount field based on selected criteria. All “Convert Common Transaction” screens have the **Consolidate** button.

Only for the iRTMS, GCMS, iFTS-2, Mr. Omakase II, HK-RTMS and CARROT Invoice formats consolidation, the common users can choose an option to sum up the amount values or not. By default, the amount value is not summed up.

COMSUITE Conversion Tool also allows the consolidation based on an extra field called 'Consolidate Field'. A new field called 'Consolidate Field' is configured in the master template and is allowed mapping or translation from any number of source fields. The values mapped or translated into 'Consolidate Field' can be used only for consolidation purpose. 'Consolidate Field' values will not be converted in the final output file.

Preview Common Transaction

Preview

Header:

00000000000300664ABCD E CORP
VEN2010-01-07000040000790180595+

Sl No	RECP1.1	RECP1.2	RECP1.3	PayMode	DeliveryMode	TotlnwAmt	TotlnwAmtSign	VenCode	Doc
1	1	005	001	CO	2	00703954000	+	2263748229	
2	1	005	001	CO	2	00703954000	+	2263748229	
3	1	005	001	CO	2	00703954000	+	2263748229	
4	1	005	001	CO	2	00703954000	+	2263748229	
5	1	005	001	CO	2	00703954000	+	2263748229	
6	1	005	002	CO	2	00037748769	+	2372637229	
7	1	005	002	CO	2	00037748769	+	2372637229	
8	1	005	002	CO	2	00037748769	+	2372637229	
9	1	005	002	CO	2	00037748769	+	2372637229	
10	1	005	002	CO	2	00037748769	+	2372637229	
11	1	005	003	CO	2	00032039238	+	2372637230	

Trailer:

9999999

Validation Errors

Row No	Error Description
--------	-------------------

Convert

Consolidate

Total Records: 16

Errors: 0

Consolidated Records: 0

Figure 82 Preview of a converting source file

Follow these steps to consolidate the Remittance Amount

1. After previewing the data, click on the **Consolidate** button.

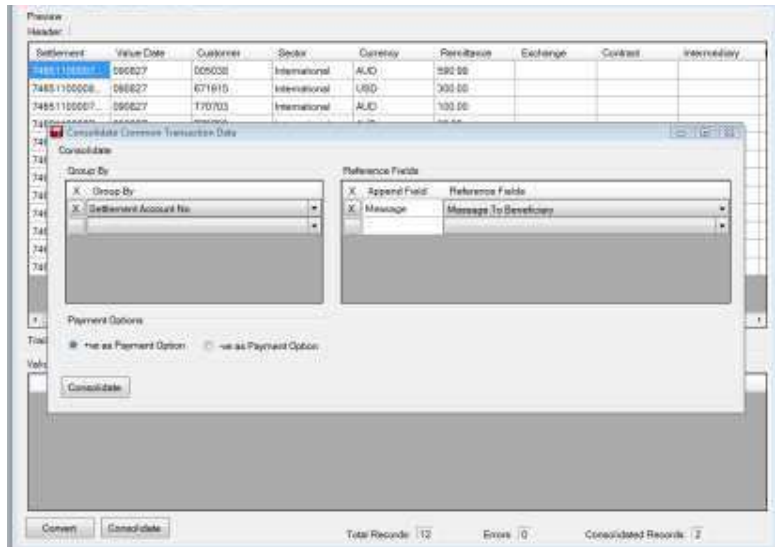


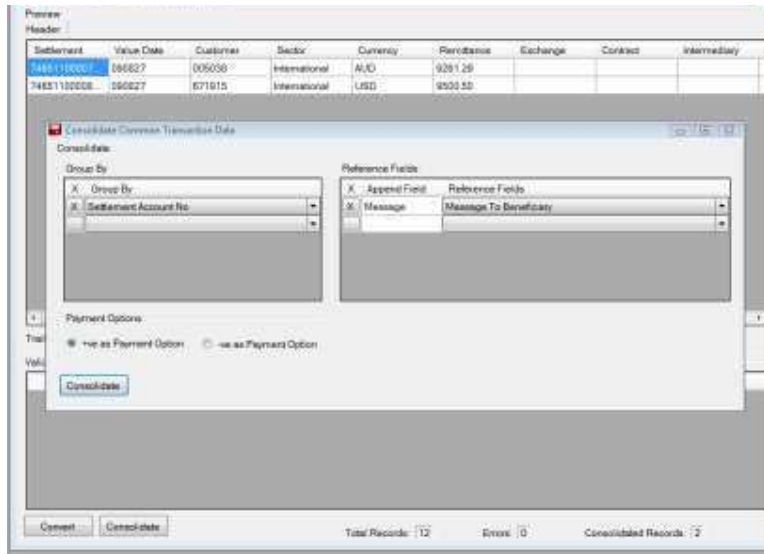
Figure 83 Consolidate Common Transaction Data screen

2. In the Consolidate Common Transaction Data screen, perform the following steps:

- Select the Group By Fields. These fields are the criteria which the records will be consolidated. The Remittance Amount for the data having the same value for the Group By Fields are summed up. (Repeat this step to include more criterion if necessary.)
- Select the Bank Fields, which will represent the Reference Fields. Data in the reference fields are concatenated separated by ','. Data entered in the Append to Field column is prefixed to the field.
- If positive amounts are considered as Payment Amount then select the +ve as Payment Option, otherwise select the –ve as Payment Option. If negative amounts are considered as payment amounts.
- For iRTMS and iFTS-2 formats, if the [Sum Up Remittance/Gross Amount] option is selected, then the Remittance Amount will be summed up, otherwise "Remittance Amount" of last transaction record of this group will be output by default.

Note: The "Sum up Remittance Amount" will be enabled only if iRTMS or iFTS-2 Master Template is used.

- For iRTMS, GCMS, iFTS-2, Mr. Omakase II, HK-RTMS and CARROT Invoice formats, 'Consolidate Field' will be populated in the "Group By" field list as a default criteria. User may modify the criteria list depends on the business logic.
- Click the **Consolidate** button to take effect of the consolidation criteria based on the selected criteria.



Settlement	Value Date	Customer	Sector	Currency	Remittance	Exchange	Contract	Intermediary
74651100007	060627	005030	International	AUD	9201.29			
74651100008	060627	671915	International	USD	9900.50			

Consolidate Common Transaction Data

Group By:

- ☒ Group By
- ☒ Settlement Account No

Reference Fields:

- ☒ Append Field
- ☒ Message
- ☒ Message To Beneficiary

Payment Options:

☒ Use as Payment Option ☐ Use as Payment Option

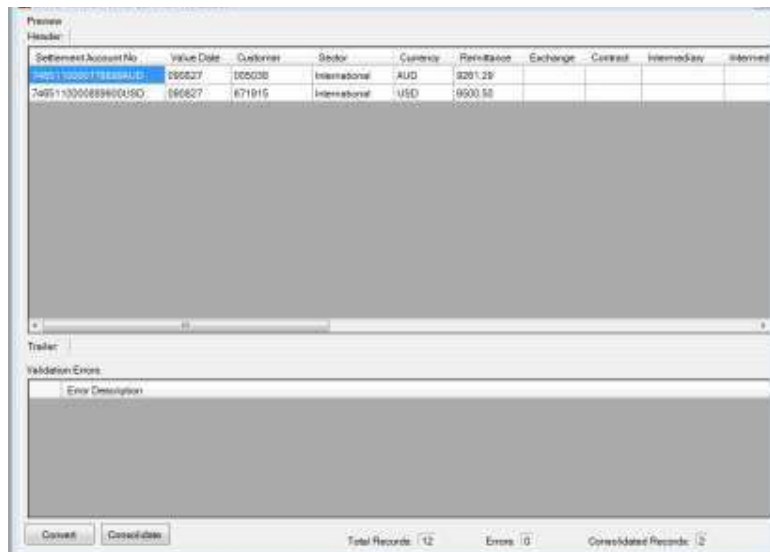
Consolidate

Convert Consolidate

Total Records: 12 Errors: 0 Consolidated Records: 2

Figure 84 Consolidate Common Transaction screen with Group By and Reference Fields set

Figure 85 Preview screen showing information after consolidation



Settlement Account No	Value Date	Customer	Sector	Currency	Remittance	Exchange	Contract	Intermediary	Interest
7465110000718689440	060627	005030	International	AUD	9201.29				
746511000089900000	060627	671915	International	USD	9900.50				

Trailer:

Validation Errors:

Error Description

Convert Consolidate

Total Records: 12 Errors: 0 Consolidated Records: 2

- Remittance amount was summed up for data of the same Settlement AccountNo1.
- The Consolidated Records text box will display the number of records after consolidation.
- The consolidated data is ready for conversion.
- For a description of how consolidation works for the VPS output format, please refer to [Consolidation for the VPS Output Format](#).
- For a description of how consolidation works for the CWS output format, please refer to [Consolidation for the CWS Output Format](#).

3.4 Quick Conversion

Quick conversion allows Common Users to convert a source file to the required output file format easily with minimum effort. Quick conversion allows the Common User to combine the various steps in converting a source file to MUFG Bank predefined file format with a few clicks.

The conversion is based on configuration settings in the configuration file MAGIC.XML that is located in the <INSTALLATION_LOCATION>/Default folder. To configure MAGIC.XML, please refer to [Configuration of MAGIC.XML for Quick Conversion](#).

To start Quick Conversion, please double-click on the COMSUITE Conversion Tool icon.



Figure 86 Common users' screen

1. If <LoginMode>false</LoginMode>, the Common User will automatically be logged into the common user screen, otherwise if 'true', the user will need to log into the common user screen by entering the supplied common user ID and password.
2. Based on the configuration settings of MAGIC.XML file, the common user will be able to use six different Quick Conversion Templates. Configured template is indicated by the grayed button.
3. Click on the button to convert a source file to the desired output format.

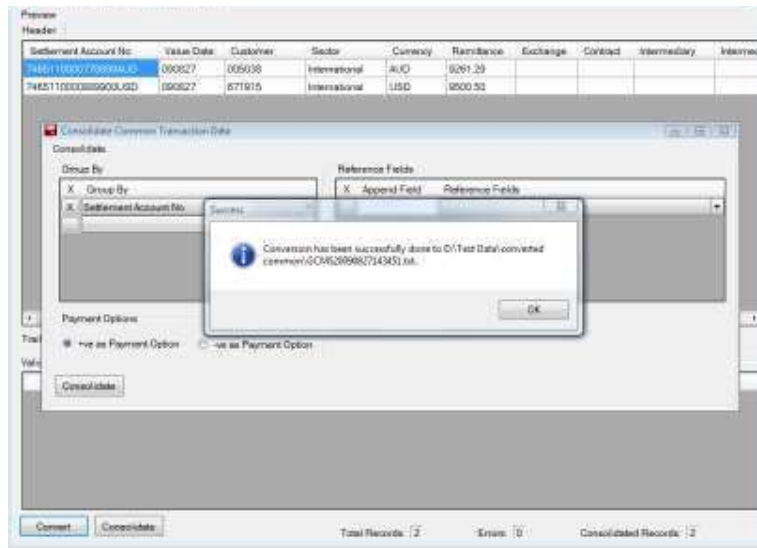


Figure 87 Common user performing a Quick conversion, which directly converts the input source file

4. If no errors were detected during the conversion process, then the converted output file is saved under the specified directory.

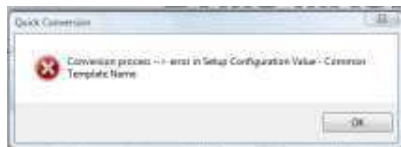


Figure 88 Incorrectly configured in MAGIC.XML configuration

5. During the Quick Conversion process, if an error is detected, due to a wrongly configured MAGIC.XML, or errors in the source file, the conversion process will be halted.
6. If an error occurs due to a wrongly configured parameter in MAGIC.XML file, the common user will be prompted of the error and the user is required to do a manual conversion.

Preview Common Transaction

Preview Header: 00000000000300664ABCDE CORP. VEN2010-01-07000040000790180595+

Sl No	AmstSign	VenCode	DocNum	VenName1	VenName2	VenAdd1	VenAdd2	Ven
1		2263748229		ABCDE CORP		Lot PT 888, Nila Industrial Estate, Muk	Mukim Satu, ...	
2		2263748229		ABCDE CORP		Lot PT 888, Nila Industrial Estate, Muk	Mukim Satu, ...	
3		2263748229		ABCDE CORP		Lot PT 888, Nila Industrial Estate, Muk	Mukim Satu, ...	
4		2263748229		ABCDE CORP		Lot PT 888, Nila Industrial Estate, Muk	Mukim Satu, ...	
5		2263748229		ABCDE CORP		Lot PT 888, Nila Industrial Estate, Muk	Mukim Satu, ...	
6		2372637229		TF P P P P P CO		Lot 912 Jalan Serendah 11/19, ATC Ind	Industrial Estat	
7		2372637229		TF P P P P P CO		Lot 912 Jalan Serendah 11/19, ATC Ind	Industrial Estat	
8		2372637229		TF P P P P P CO		Lot 912 Jalan Serendah 11/19, ATC Ind	Industrial Estat	
9		2372637229		TF P P P P P CO		Lot 912 Jalan Serendah 11/19, ATC Ind	Industrial Estat	
10		2372637229		TF P P P P P CO		Lot 912 Jalan Serendah 11/19, ATC Ind	Industrial Estat	
11		2372637230		LMN Company		51 BBB Building Singapore 1213880		

Trailer: 9999999

Validation Errors

Row No	Error Description
1	Record: 1 Field: 'VenAdd1' is greater than the maximum length: 35.
2	Record: 2 Field: 'VenAdd1' is greater than the maximum length: 35.
3	Record: 3 Field: 'VenAdd1' is greater than the maximum length: 35.
4	Record: 4 Field: 'VenAdd1' is greater than the maximum length: 35.
5	Record: 5 Field: 'VenAdd1' is greater than the maximum length: 35.
6	Record: 6 Field: 'VenAdd1' is greater than the maximum length: 35.

Convert Consolidate

Total Records: 16 Errors: 10 Consolidated Records: 0

Figure 89 Validation errors during the Quick Conversion process

- If the error is a validation error, then the common user needs to correct the errors before the source file is converted.

4. GCMS Money Transfer Data Entry

GCMS Money Transfer is an offline tool that allows user to create and edit money transfer instructions. The transfer instruction data will be converted into plain text file in GCMS format.

This tool can only be accessed and used by **Super** and **Common User**.

Configuration file

A configuration file offline.ini contains information of Charge Type setting and edit file prefix. It is mandatory to have the file exist in the system and readable by GCMS MT Tool.

Master files

GCMS MT tool requires 2 mandatory and 3 optional master files:

1. Currency (Mandatory)
2. Settlement Account (Mandatory)
3. Beneficiary Bank (Optional)
4. Beneficiary Account (Optional)
5. Remittance Instruction Template (Optional)

GCMS Tool will fail to open if mandatory master files are not found, contain no data or of invalid format.

Folders

It is also a mandatory requirement to have 4 mandatory folders, which will be used to store master and conversion files. These folders will be created automatically by GCMS MT tool if they cannot be found in the installation folders.

1. "Save" folder
2. "Upload" folder
3. "Archive" folder
4. "Master" folder

4.1 Using GCMS Money Transfer Tool

GCMS MT module can be found in **Data Entry > GCMS Money Transfer**

Click on GCMS Money Transfer and **Main menu** screen will be shown.

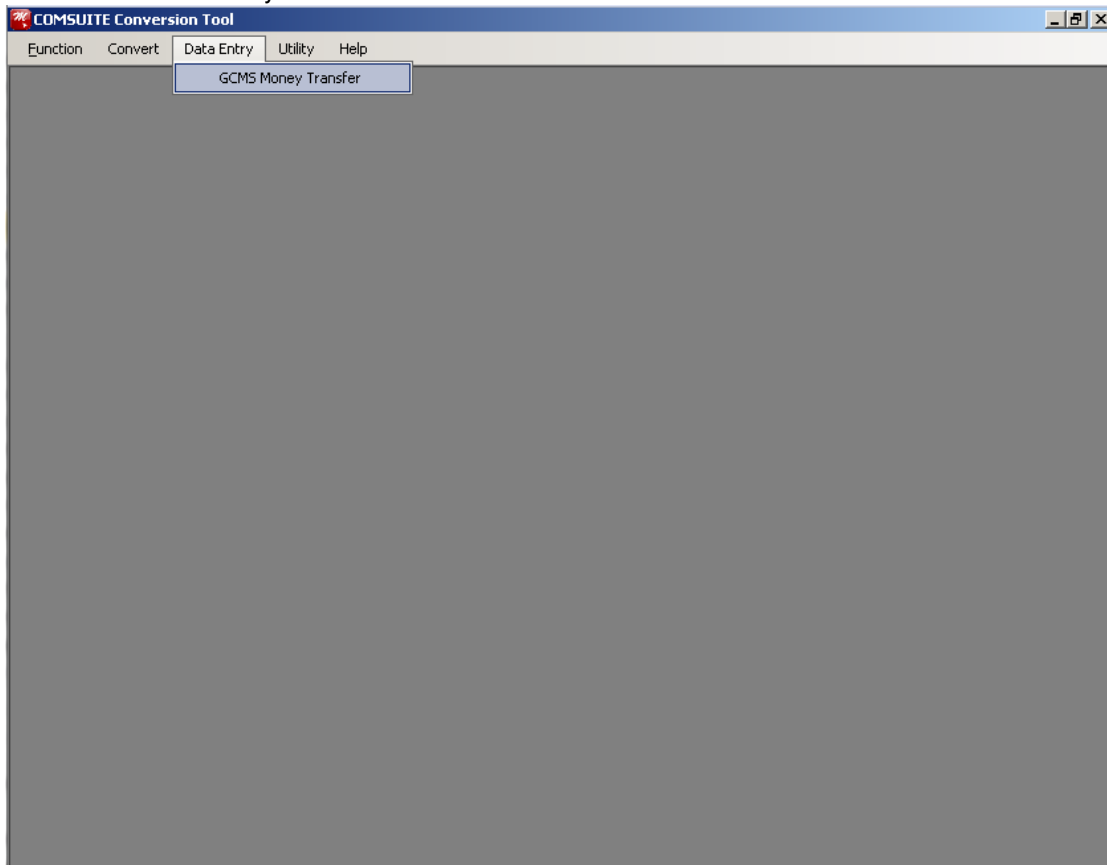


Figure 90 GCMS Money Transfer Data Entry



Figure 91 GCMS Money Transfer Data Entry Menu

4.2 Create a New Money Transfer Instruction

To create a new money transfer instruction, user needs to perform the following procedures:

1. Click **Create** button from Main Menu.

An empty **List/View** screen will be shown with a transaction table list and 5 enabled buttons.

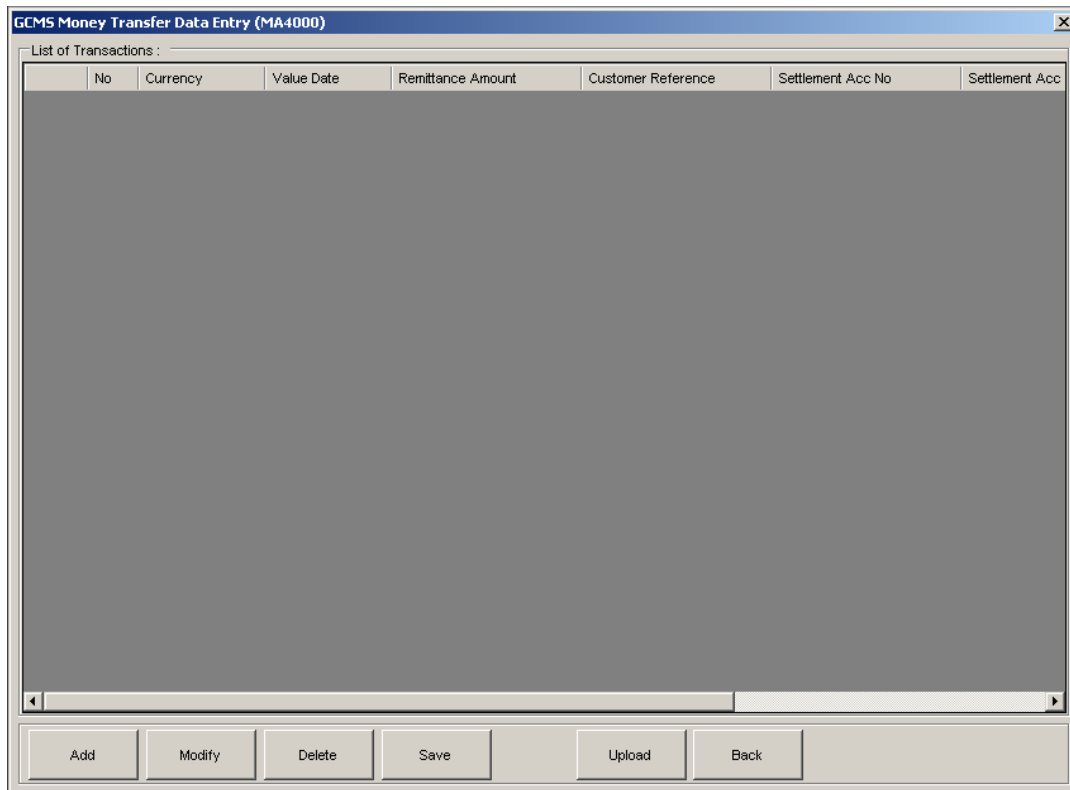


Figure 92 Transaction Listing/View

Transaction list table has the following information columns:

- Column 1: Sequence number
- Column 2: Currency
- Column 3: Value Date
- Column 4: Remittance Amount
- Column 5: Customer Reference
- Column 6: Settlement Account No.
- Column 7: Settlement Account Name
- Column 8: Beneficiary Account No
- Column 9: Beneficiary Name

2. Click **Add** button.

A new empty **Entry** screen will be shown with 2 enabled buttons (**OK** and **Back**).

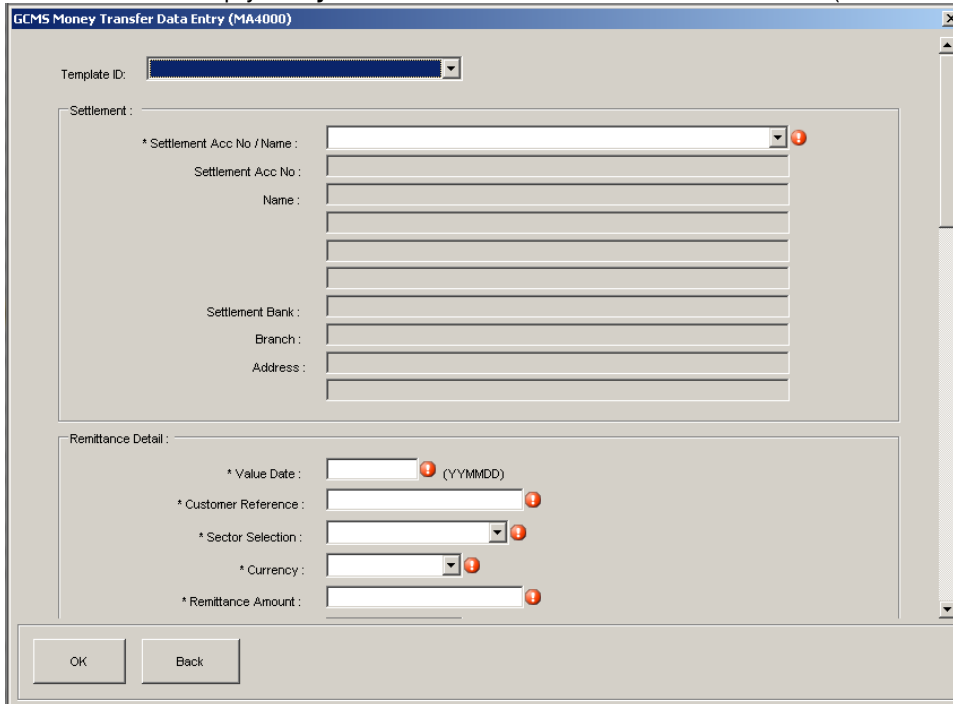


Figure 93 Data Entry

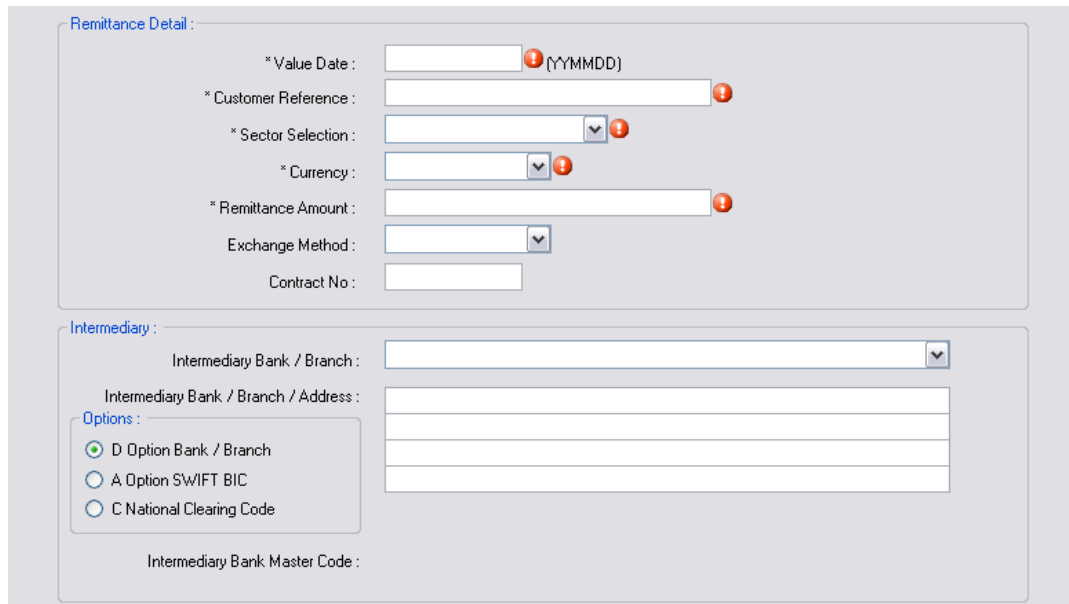


Figure 94 Data Entry

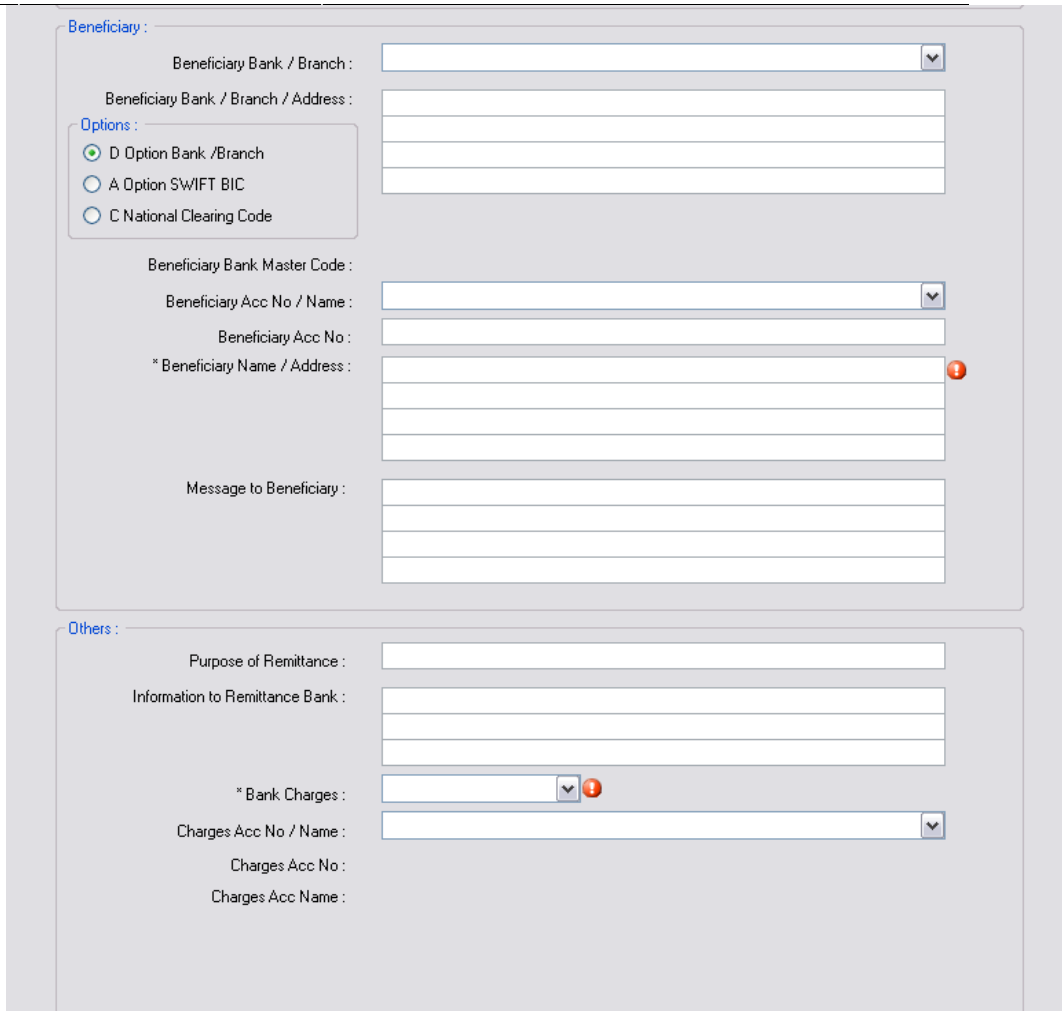


Figure 95 Data Entry

Mandatory fields are identified with asterisk (*).

Note: All text fields do not accept input of double quote character (").

- 1) Select a **Template ID** from drop down list. Template ID is an optional field. Data is populated from Template master. The list may be empty if template master file is not found or empty. Select one from the list if you want to use template data from master file.
- 2) Select a **Settlement Account No/Name** from drop down list. Settlement Account No/Name is a mandatory field. Data is populated from Settlement master. Select one from the list and account number and name of the ordering customer detail will be displayed.
- 3) **Settlement Account No** will be displayed based on the selected AccountNo/Name from drop down list.
- 4) **Settlement Account Name** will be displayed based on the selected Account No/Name from drop down list.
- 5) **Settlement Bank** will be displayed based on the selected Account No/Name from drop down list.

-
- 6) **Settlement Branch** will be displayed based on the selected Account No/Name from drop down list.
 - 7) **Settlement Bank Address** will be displayed based on the selected Account No/Name from drop down list.
 - 8) Input a **Value Date** for execution date of the money transfer. Value Date is a mandatory field with YYMMDD format:
 - YY is the last two digits of year. For example: 09 for year 2009, 10 for year 2010.
 - MM is the 2 digits format of month. For example: 01 for month of January, 12 for month of December.
 - DD is the 2 digits format of Day from 01 to 31.Money transfer execution date must be between today's date and 20 days from today's date.
 - 9) Input a **Customer Reference** for transaction reference number. Customer Reference is a mandatory field.
 - 10) Select a **Sector Selection**. Sector Selection is a mandatory field with 3 fixed values:
 - Book Transfer
 - Domestic
 - International
 - 11) Select a remittance **Currency** code. Currency is a mandatory field. Data is populated from Currency master.
 - 12) Input a **Remittance Value** for the amount of money transfer. Remittance amount is a mandatory field with maximum of 14 digits without decimal separator. Amount value must be greater than zero.
 - 13) Select an **Exchange Method**. User must leave Exchange Method blank if the selected remittance Currency code is the same as Settlement Account currency code. On the other hand, user must select either "Spot" or "Cont" if selected Currency code is different to Settlement Account currency code.
 - 14) Input a **Cont. No.** Contract number is a mandatory field ONLY if the selected Exchange Method is "Cont".
 - 15) Select an **Intermediary Bank/Branch** from drop down list. Intermediary Bank/Branch is optional. Data is populated from Beneficiary Bank master. The list may be empty if master file is not found or empty. Intermediary Bank, Branch and Address fields will be automatically filled in with values from Intermediary bank master.
 - 16) Select an **Intermediary Option**. Option D is the default value. Select option A for SWIFT BIC or option C for National Clearing Code.
 - 17) Leave **Intermediary Bank/Branch/Address** fields as per default value if you have selected Intermediary Bank/Branch from drop down list. Intermediary Bank (line 1) is a mandatory field if option A or C is selected.
 - Line1 : Intermediary Bank
 - Line 2: Intermediary Branch
 - Line 3: Intermediary Address line 1
 - Line 4: Intermediary Address line 2Each line has maximum of 35 characters.
 - 18) **Intermediary Bank Master Code** will be displayed based on the selected Intermediary Bank/Branch.
 - 19) Select a **Beneficiary Bank/Branch** from drop down list. Beneficiary Bank/Branch is

optional. Data is populated from Beneficiary Bank master. The list may be empty if master file is not found or empty. Beneficiary Bank, Branch and Address fields will be automatically filled in with values from Beneficiary bank master.

- 20) Select a **Beneficiary Option**. Option D is the default value. Select option A for SWIFT BIC or option C for National Clearing Code.
- 21) Leave **Beneficiary Bank/Branch/Address** fields as per default value if you have selected Beneficiary Bank/Branch from drop down list. Beneficiary Bank (Line 1) is a mandatory field if option A or C is selected.
- Line 1 : Beneficiary Bank
 - Line 2: Beneficiary Branch
 - Line 3: Beneficiary Address line 1
 - Line 4: Beneficiary Address line 2
- Each line has maximum of 35 characters
- 22) **Beneficiary Bank Master Code** will be displayed based on the selected Beneficiary Bank/Branch.
- 23) Select a **Beneficiary Account No. /Name** from drop down list. Beneficiary Account No. /Name is optional. Data is populated from Beneficiary Customer master. The list may be empty if master file is not found or empty. Beneficiary Account No, Name and Address fields will be automatically filled in with values from Beneficiary Customer master.
- 24) Leave **Beneficiary Account No.** as per default value if you have selected Beneficiary Account No. /Name from drop down list. This field has maximum of 34 characters. It is an optional field.
- 25) Leave **Beneficiary Name / Address** as per default values if you have selected Beneficiary Account No. /Name from drop down list. Beneficiary Name (Line 1) is a mandatory field and you need to fill in if the field is blank after Beneficiary Account No. /Name selection.
- Line 1: Beneficiary Name
 - Line 2: Beneficiary Address line 1
 - Line 3: Beneficiary Address line 2
 - Line 4: Beneficiary Address line 3
- 26) Input **Message to Beneficiary** for messages related to money transfer. These are optional fields.
- Line 1: Message line 1
 - Line 2: Message line 2
 - Line 3: Message line 3
 - Line 4: Message line 4
- 27) Input **Purpose of Remittance**. It is an optional field.
- 28) Input **Information to Remittance Bank**. These are optional fields.
- Line 1: Information to remittance bank line 1
 - Line 2: Information to remittance bank line 2
 - Line 3: Information to remittance bank line 3
- 29) Select a **Bank Charges** from drop down list. Bank Charges is a mandatory field. Depend on the setting in Configuration file, you may have the following values:
- Three types of commission payment options (Triplex):
- Beneficiary (BEN): both remittance and paying bank's commission are for the beneficiary account.
 - Applicant (OUR): both remittance and paying bank's commission are for the applicant's account.
 - Share (SHA): remittance commission is for applicant's account and paying

bank's commission is for the beneficiary's account.

Two types of commission payment options (Duplex):

- Applicant (OUR): both remittance and paying bank's commission are for the applicant's account.
- Share (SHA): remittance commission is for applicant's account and paying bank's commission is for the beneficiary's account.

In Configuration file, charges type is set with the following value:

- Name: chargetype
- Value is set to 0 if duplex
- Value is set to 1 if triplex

- 30) Select a **Charges Account No. /Name** from drop down list. This is an optional field. Data is populated from Settlement master. The list may be empty if master file is not found or empty. Charges Account No and Name fields will be automatically displayed with values from settlement master.

Two Conditions applied for selecting Charges Account:

- a. Charges Account must be left unselected if the selected Bank Charges is Beneficiary (BEN).
- b. Charges Account No must be different to Settlement Account No if the selected Bank Charges is Applicant (OUR) or Share (SHA).

- 31) **Charges Account No** will be displayed based on the selected ChargesAccount No. /Name.

- 32) **Charges Account Name** will be displayed based on the selected ChargesAccount No. /Name.

There are 4 detail lines:

- Line 1: Charges Account Name line 1
- Line 2: Charges Account Name line 2
- Line 3: Charges Account Name line 3
- Line 4: Charges Account Name line 4

- 33) Click **Back** button to cancel entry and return to **View/List** screen
Click **OK** button to save transaction. If there is an error during validation, error message window will be shown.

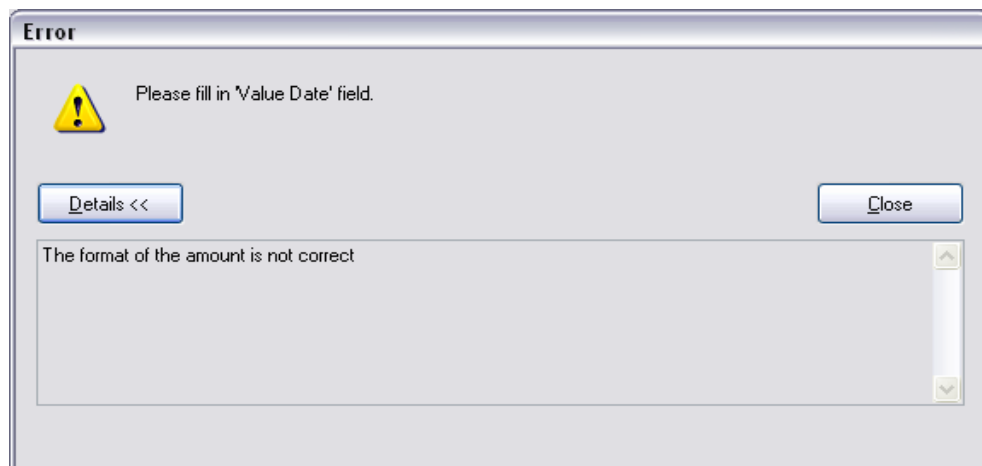
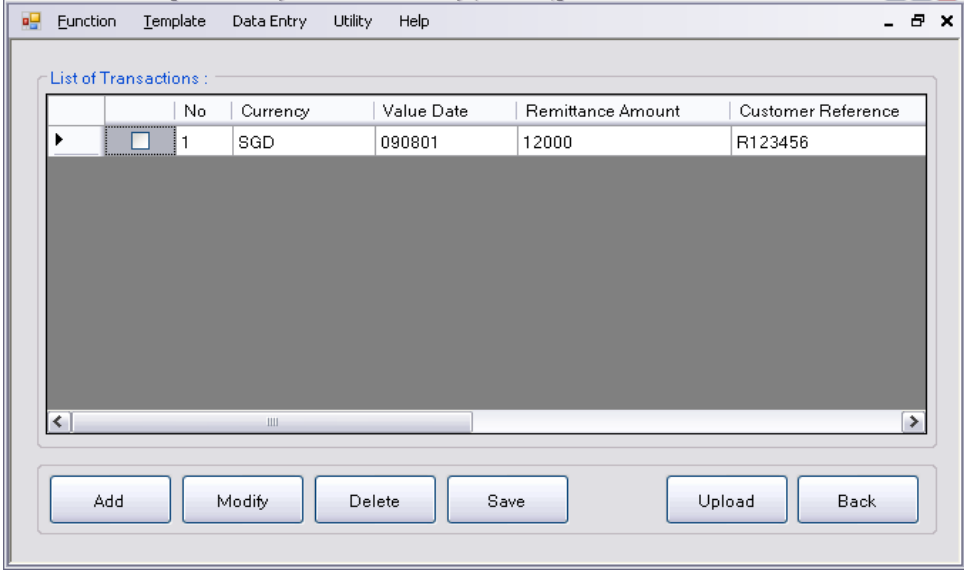


Figure 96 Error Message if mandatory field not filled.

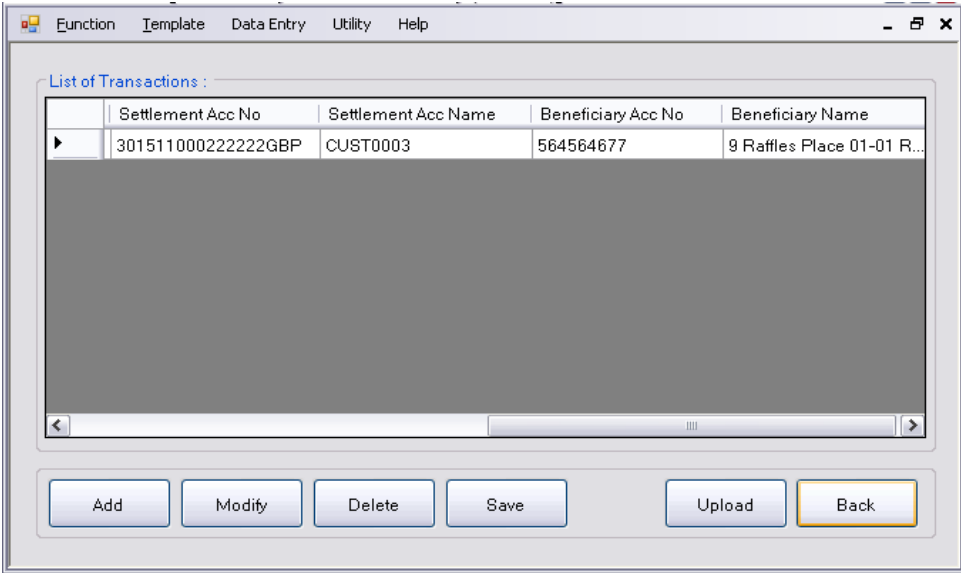
If there is no error, transaction will be saved and displayed in **View/List** screen.



The screenshot shows a software window titled 'List of Transactions :'. It contains a table with the following columns: No, Currency, Value Date, Remittance Amount, and Customer Reference. A single transaction is listed with No. 1, Currency SGD, Value Date 090801, Remittance Amount 12000, and Customer Reference R123456. Below the table is a scroll bar. At the bottom of the window are buttons for Add, Modify, Delete, Save, Upload, and Back.

No	Currency	Value Date	Remittance Amount	Customer Reference
1	SGD	090801	12000	R123456

Figure 97 List/View



The screenshot shows a software window titled 'List of Transactions :'. It contains a table with the following columns: Settlement Acc No, Settlement Acc Name, Beneficiary Acc No, and Beneficiary Name. A single transaction is listed with Settlement Acc No 30151100022222GBP, Settlement Acc Name CUST0003, Beneficiary Acc No 564564677, and Beneficiary Name 9 Raffles Place 01-01 R... Below the table is a scroll bar. At the bottom of the window are buttons for Add, Modify, Delete, Save, Upload, and Back.

Settlement Acc No	Settlement Acc Name	Beneficiary Acc No	Beneficiary Name
30151100022222GBP	CUST0003	564564677	9 Raffles Place 01-01 R...

Figure 98 List/View

4.3 Modify Money Transfer Instruction

To modify money transfer instruction, user needs to perform the following procedures:

1. Click **Edit** button from **Main Menu** screen. A file dialog window will be shown.



Figure 99 GCMS Money Transfer Data Entry - Edit

2. Select a file from the dialog window and click **Open** button.

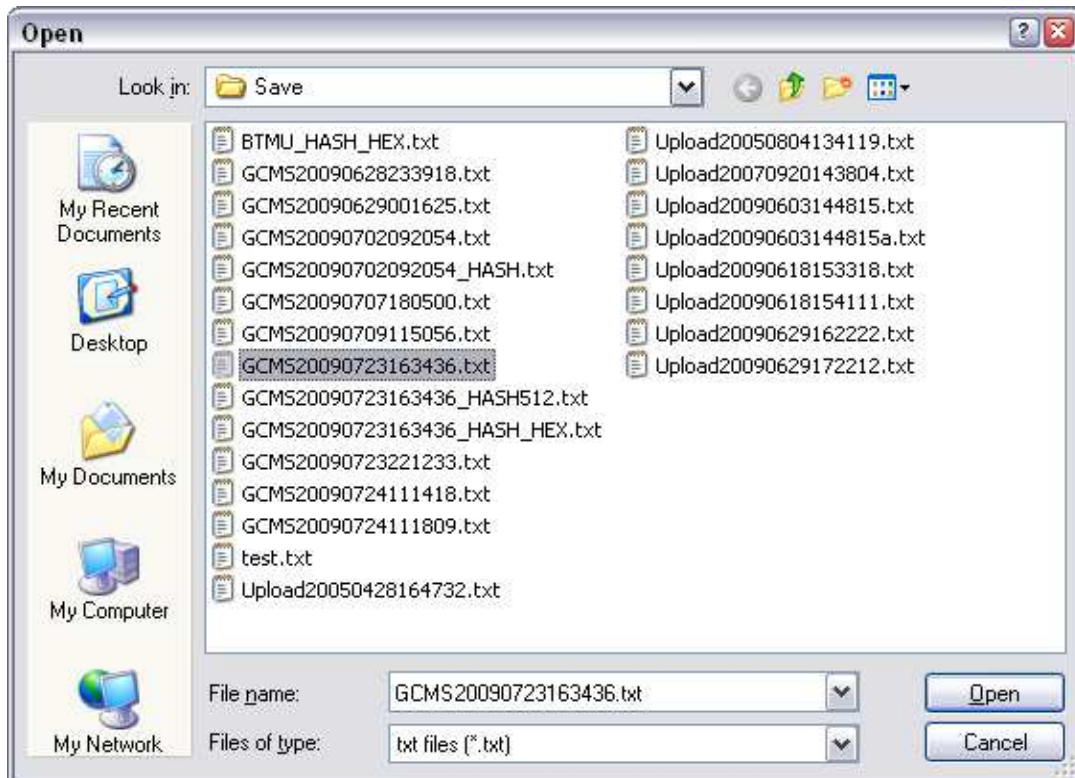
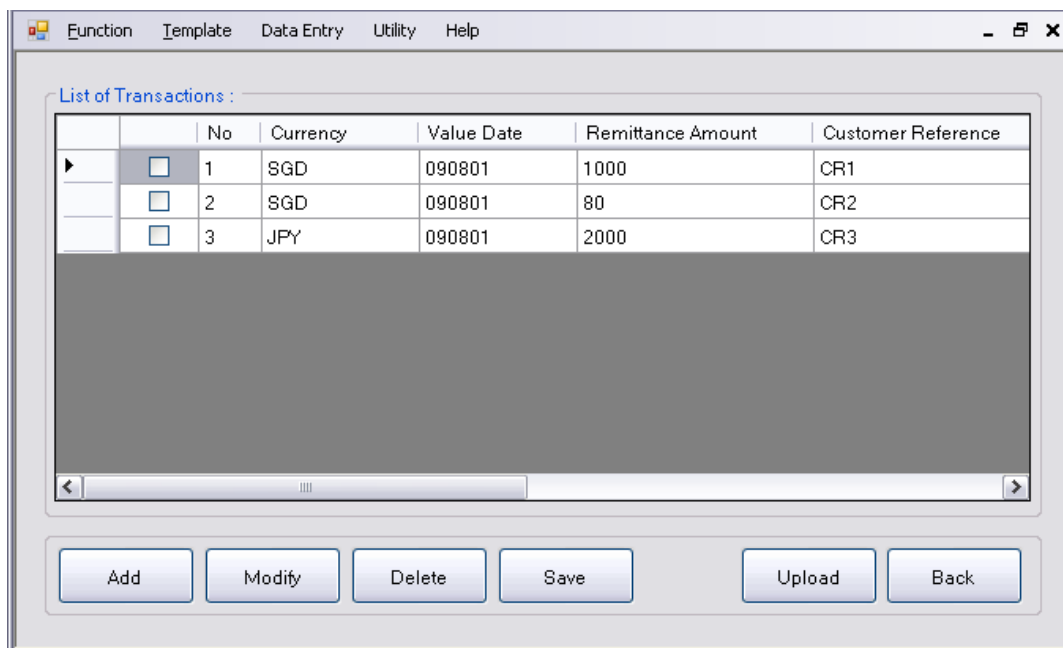


Figure 100 Browse GCMS Money Transfer file

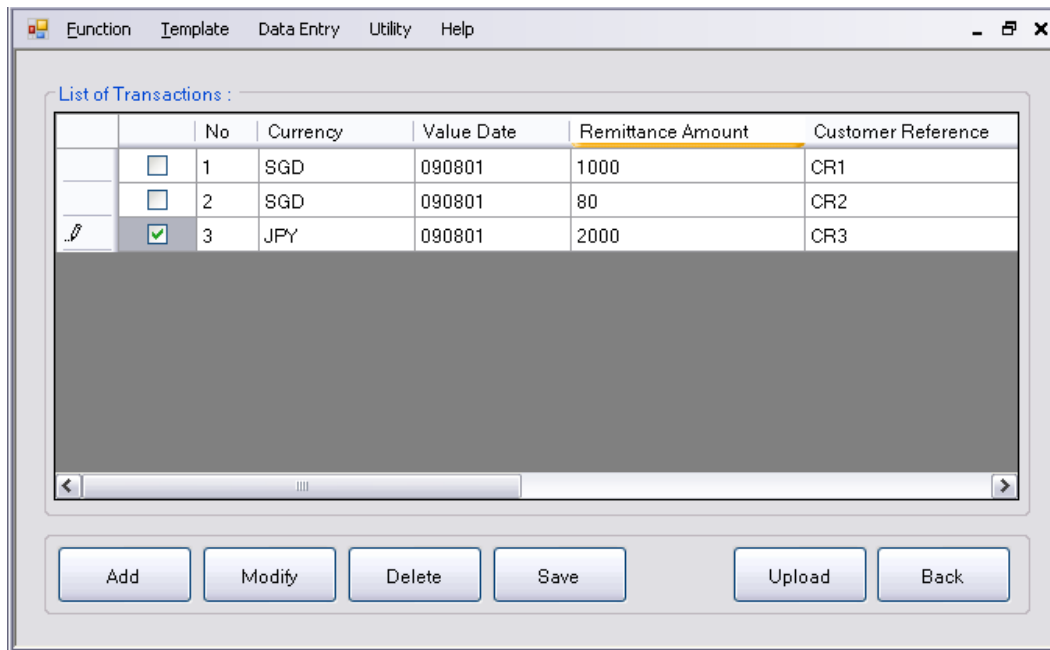
Saved transactions from the file will be populated to list in **View/List** screen.

Figure 101 Check record to modify.



3. Click a checkbox located beside the transaction you want to edit.

Figure 102 Transaction record checked.



4. Click **Modify** button. **Entry** screen with populated chosen data will be displayed. If the list is empty and **Modify** button is clicked, a warning message window will be shown.

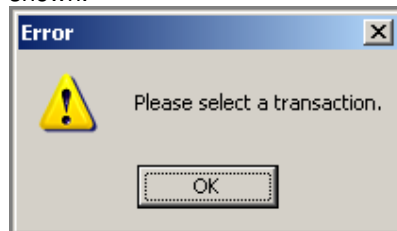


Figure 103 Error message

If more than one checkboxes are selected, a warning message window will be shown.

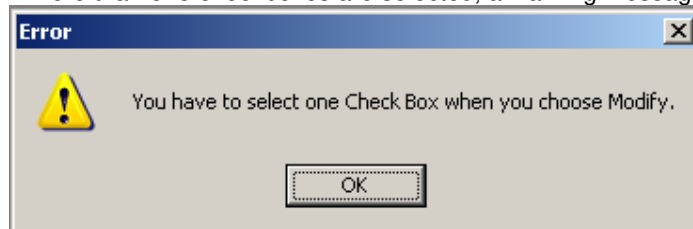
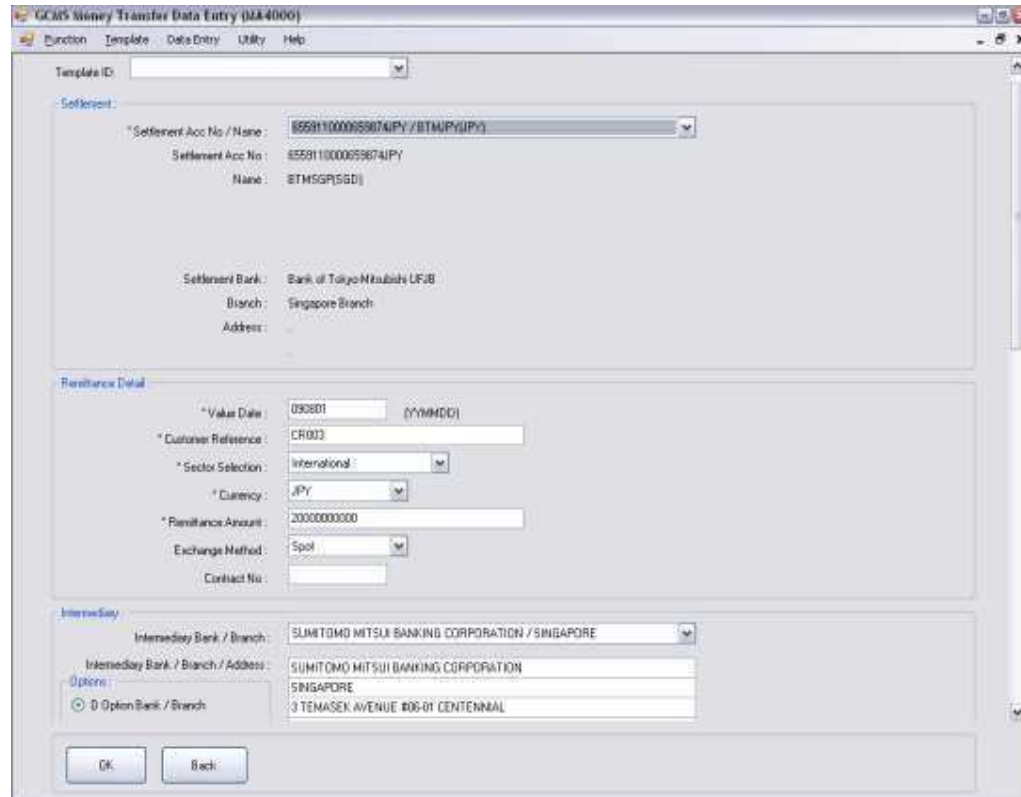


Figure 104 Validation error.

5. Edit transaction.



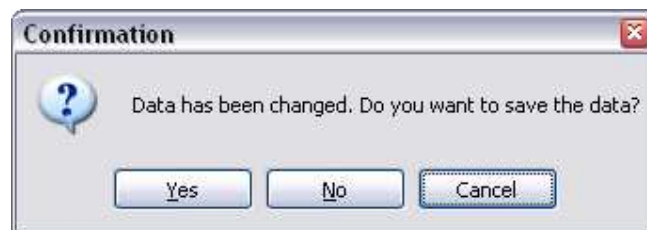
The screenshot shows the 'GCMS Money Transfer Data Entry (2244000)' window. It contains several sections for data entry:

- Settlement:** Includes fields for Settlement Acc No / Name (655911000055874JPY / BTMJPY(JPY)), Settlement Acc No (655911000055874JPY), and Name (BTMSGP(SGD)).
- Settlement Bank:** Includes fields for Bank (Bank of Tokyo-Mitsubishi UFJ), Branch (Singapore Branch), and Address.
- Remittance Detail:** Includes fields for Value Date (090801), Customer Reference (CR003), Sector Selection (International), Currency (JPY), Remittance Amount (2000000000), Exchange Method (Spot), and Contact No.
- Intermediary:** Includes fields for Intermediary Bank / Branch (SUMITOMO MITSUI BANKING CORPORATION / SINGAPORE), Intermediary Bank / Branch / Address (SUMITOMO MITSUI BANKING CORPORATION, SINGAPORE, 3 TEMASEK AVENUE #06-01 CENTENNIAL), and an Option Bank / Branch section.

At the bottom, there are 'OK' and 'Back' buttons.

Figure 105 GCMS Money Transfer Data Entry - modification

- Click **OK** button to finish and return to **View/List** Screen.
Click **Back** button to cancel edit. If there are changes done, a confirmation dialog window will be shown.



The screenshot shows a 'Confirmation' dialog box with a question mark icon. The text inside says: 'Data has been changed. Do you want to save the data?'. There are three buttons at the bottom: 'Yes', 'No', and 'Cancel'.

Figure 106 Saving GCMS-MT transaction.

- Click **Yes** button to save and return to **View/List** screen.
Click **No** button to discard changes and return to **View/List** screen.
Click **Cancel** button to cancel and remain in **Entry** screen.

4.4 Delete Money Transfer Instruction

To delete money transfer instruction, user needs to perform the following procedures:

1. In **View/List** screen, check one or multiple checkboxes located beside the transaction you want to delete.

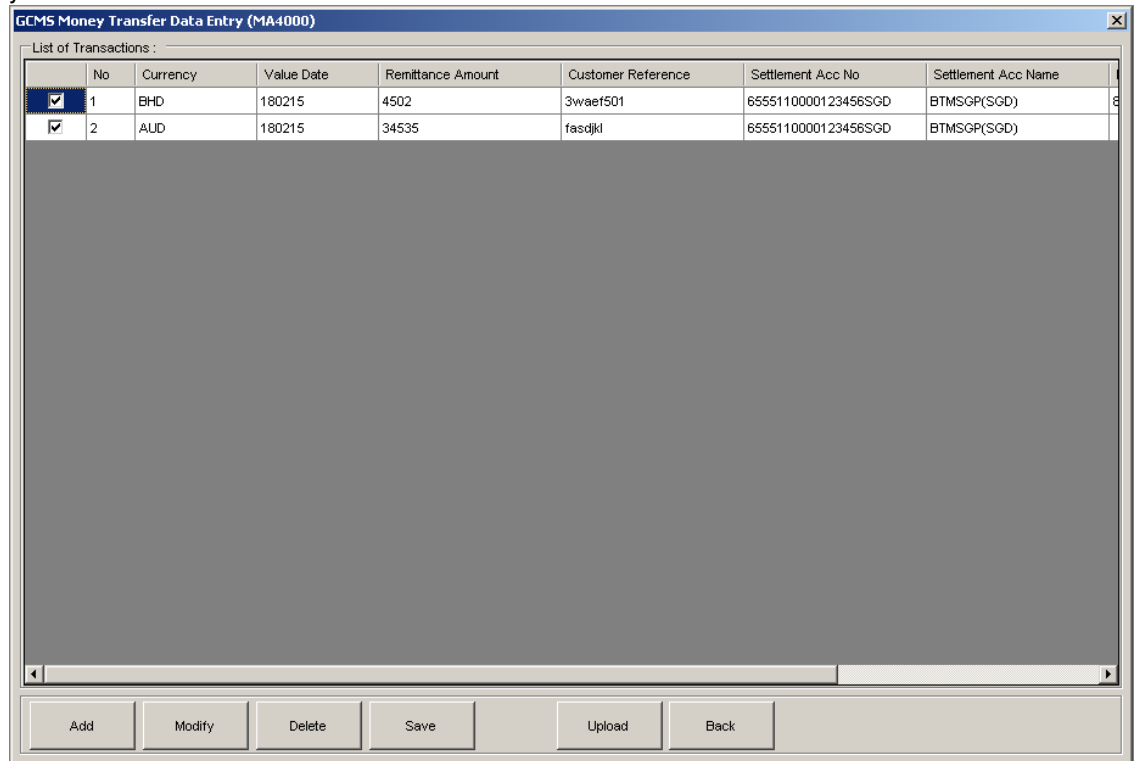


Figure 107 GCMS Money Transfer Data Entry - Deletion

2. Click **Delete** button to delete the selected transaction(s). A confirmation window will be shown.



Figure 108 Confirm record selected for deletion

3. Click **Yes** button to confirm deletion.
Click **No** button to cancel.

4. Transaction(s) will be deleted from list.

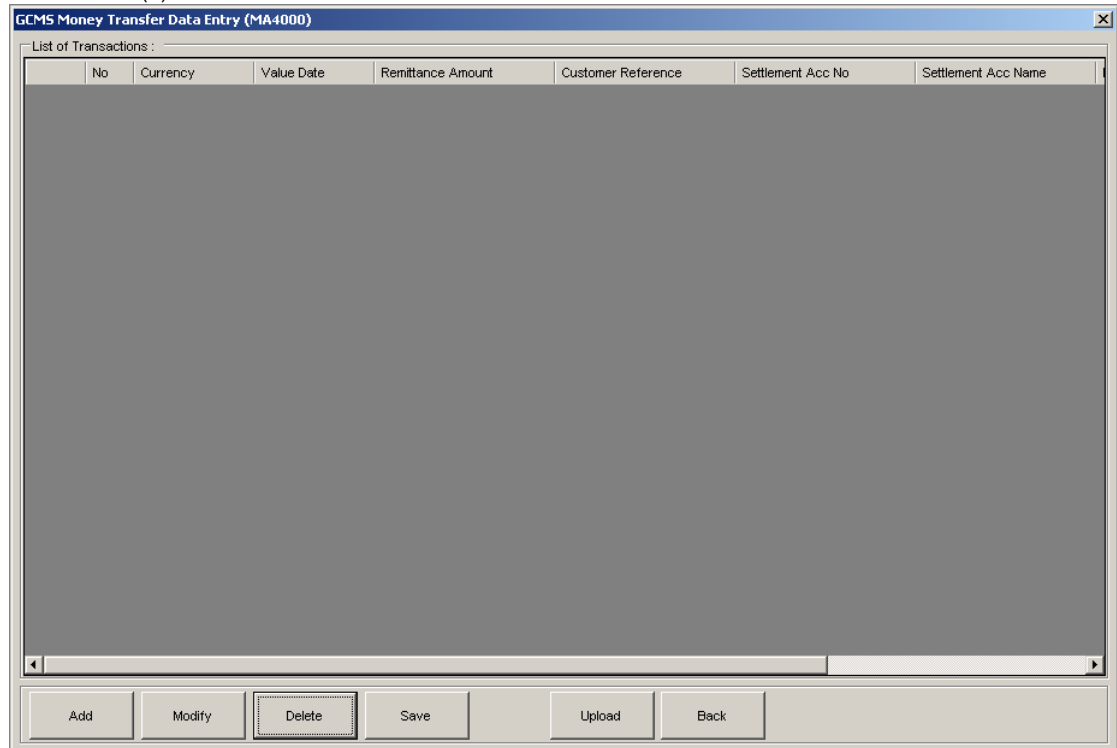


Figure 109 No record shown.

If list is empty and **Delete** button is clicked, an information window will be shown.

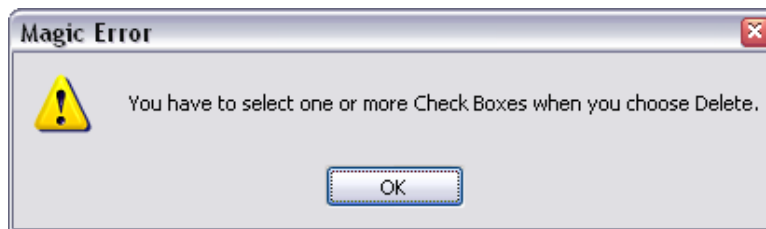


Figure 110 Checked for deletion validation message.

4.5 Save / Upload Money Transfer Instruction

To Save/Upload money transfer instruction, user needs to perform the following procedures:

1. Click **Save** or **Upload** button.
Save and **Upload** will read, convert, and save all transactions from the list to a formatted GCMS MT text file.

If **Save** button is clicked, conversion file will be saved in "**Save**" folder.

If **Upload** button is clicked, conversion file will be saved in both "**Save**" and "**Upload**" folder.

Both **Save** and **Upload** always generate a pair of output files:

- a. A formatted GCMS MT plain text file (coma separated).
- b. A cryptographic Hash file (SHA512).

If there are no transactions to save, information message will be shown.



Figure 111 No data for saving.

In Create mode, a new file name will be automatically generated with the following format:

- a. GCMS formatted plain text file : GCMS + yyyyymmddhhmmss + .txt
- b. Hash file : GCMS + yyyyymmddhhmmss + HASH + .txt

GCMS is a prefix that can be set in configuration file.
 yyyyymmddhhmmss is input date and time.

In Edit Mode, the existing edit file name will be used.

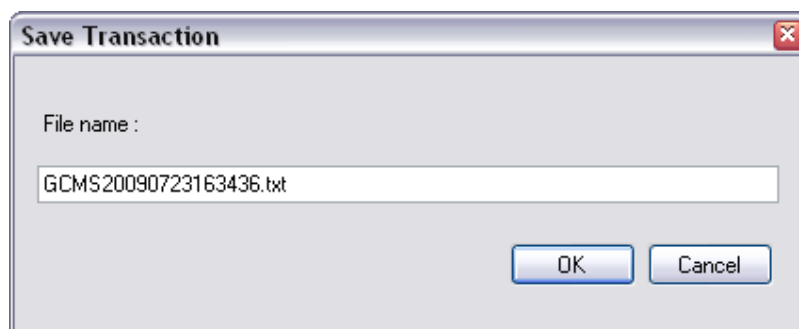


Figure 112 Saving GCMS Money Transfer

2. Click **OK** button to proceed with the saving. **Main Menu** screen will be shown after it is successfully done.
3. Click **Cancel** to cancel saving and remain the **View/List** screen.

If "**Save**" folder has a data file with the same name as the new one, a confirmation

dialog window will be shown. Click on **Yes** button to replace the old file with the new one.

If “**Upload**” folder has a data file with the same name as the new one:

- A confirmation dialog will be shown.
- Click on **Yes** button to rename the old file with Old Filename + yyyymmddhhmmss.txt (input date and time) and move to “**Archive**” folder. The new file will be then saved into “**Upload**” folder. The same rule applies for cryptographic hash file.
- Click on **No** button to cancel and remain in **View/List** screen.

4.6 Return to Main Menu

To return to **Main Menu**, user needs to perform the following procedure:

1. Click **Back** button from **View/List** screen.
If the list is not empty or data has been changed in edit mode, a confirmation window to save the unsaved transaction(s) will be shown.

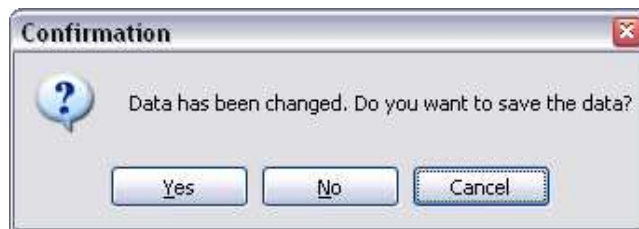


Figure 113 Confirmation to save data that has been changed.

2. Click **Yes** button to save all transactions from the list.
Click **No** button to discard changes and return to **Main Menu**.
Click **Cancel** button to cancel and remain in **View/List** screen.

4.7 Exit from GCMS Money Transfer Module

To exit from GCMS Money Transfer module, user needs to perform the following procedure:

1. Click **Exit** button from **Main Menu** screen. COMSUIE Conversion Tool main form will be shown.



Figure 114 GCMS Money Transfer Data Entry - Exit



Figure 115 Exit to COMSUIE Conversion Tool Main Menu

5. Utility Menu

Utility menu is used to import data for Lookup function and is accessible by all users except Common User 2. Under the Utility Menu, there are two sub-menus exist: Import from Excel to DB and View from DB. The data from external source files (excel file) can be imported into MagicDB's tables. There are four tables created by default in MagicDB; in each table includes 30 Fields with 255 Data Length. The imported data can be viewed by "View from DB" menu.

5.1 Import from Excel to DB

To import the data from an excel file, user needs to perform the following procedures:

1. Click Import from Excel to DB menu from Utility Menu.

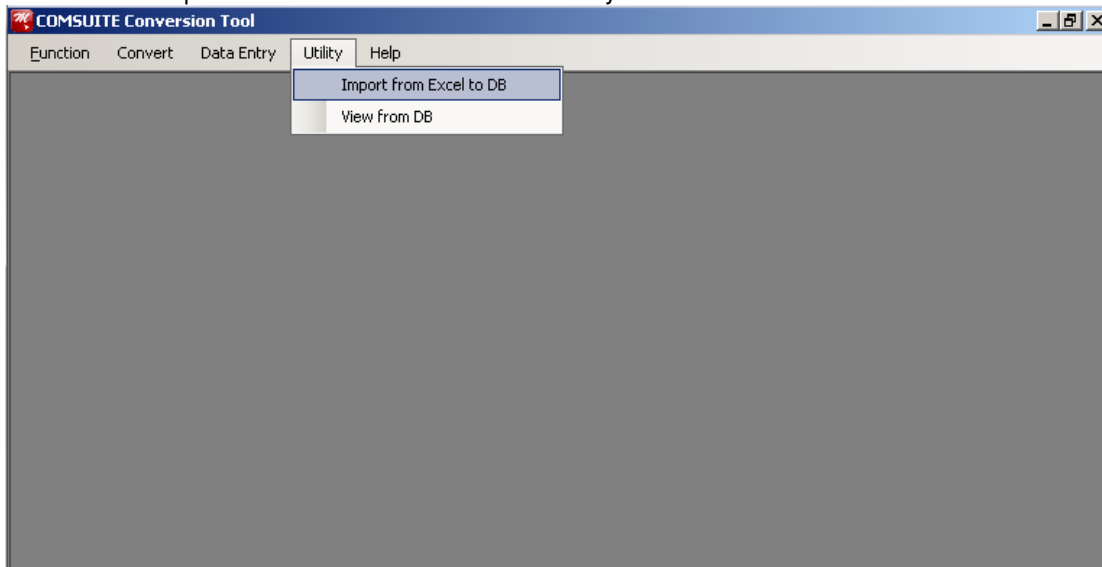


Figure 116 Import from Excel to DB from COMSUIE Conversion Tool Utility Menu

2. Import Data from Excel Tool Form will be displayed.

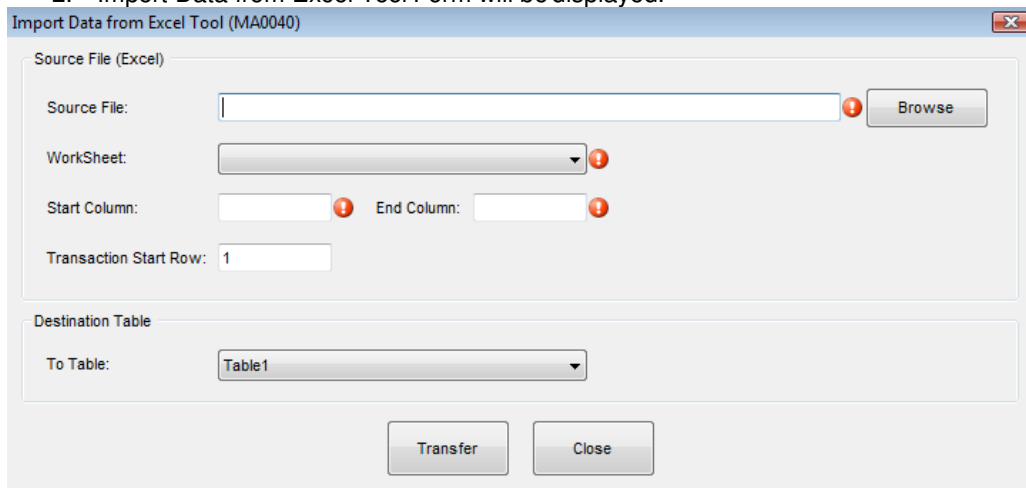


Figure 117 Import Data from Excel Tool Form with empty data

3. In Source File (Excel) group box, fill in the source file, select worksheet, transaction

start row and start and end columns.

4. In Destination Table group box, choose the destination table.

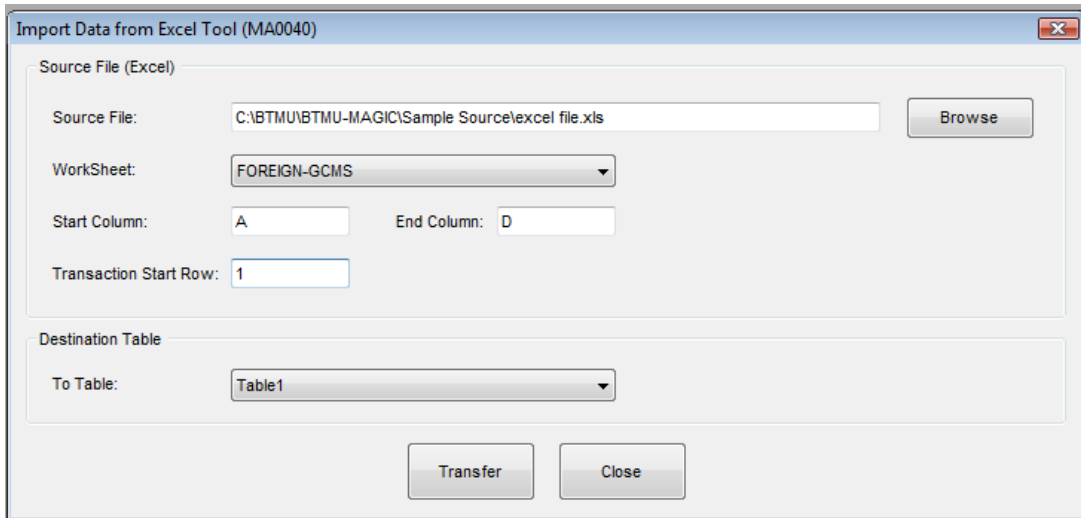


Figure 118 Import Data from Excel Tool Form with source and destination data

5. Click Transfer to import the data. COMSUITE Conversion Tool will prompt message for when importing is completed.

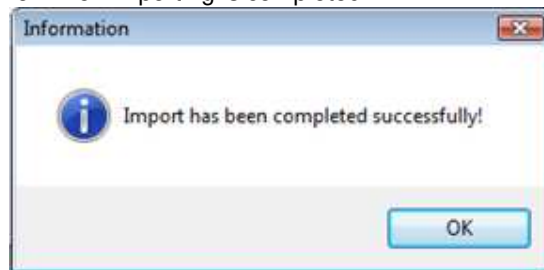


Figure 119 Importing Data from Excel is completed.

6. If the selected destination table has previously imported data existed, COMSUITE Conversion Tool will prompt confirmation message. Importing data action will be taken upon user confirmation.

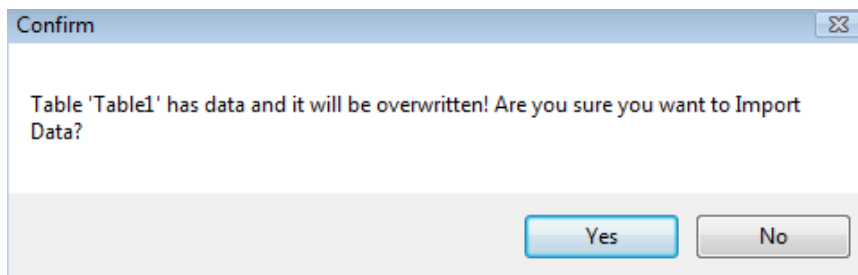


Figure 120 Importing Data from Excel is completed.

5.2 View from DB

To view the imported data from the destination table, user needs to perform the following procedures:

1. Click View from DB menu from Utility Menu.

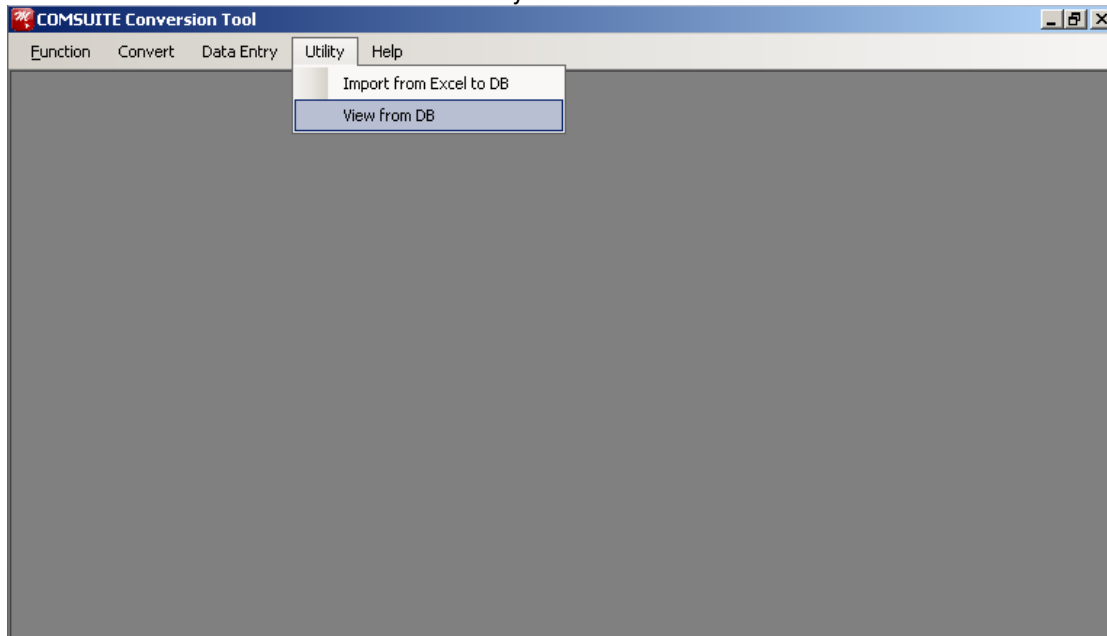


Figure 121 View from DB from COMSUIE Conversion Tool Utility Menu

2. View From DB Tool Form will be displayed.

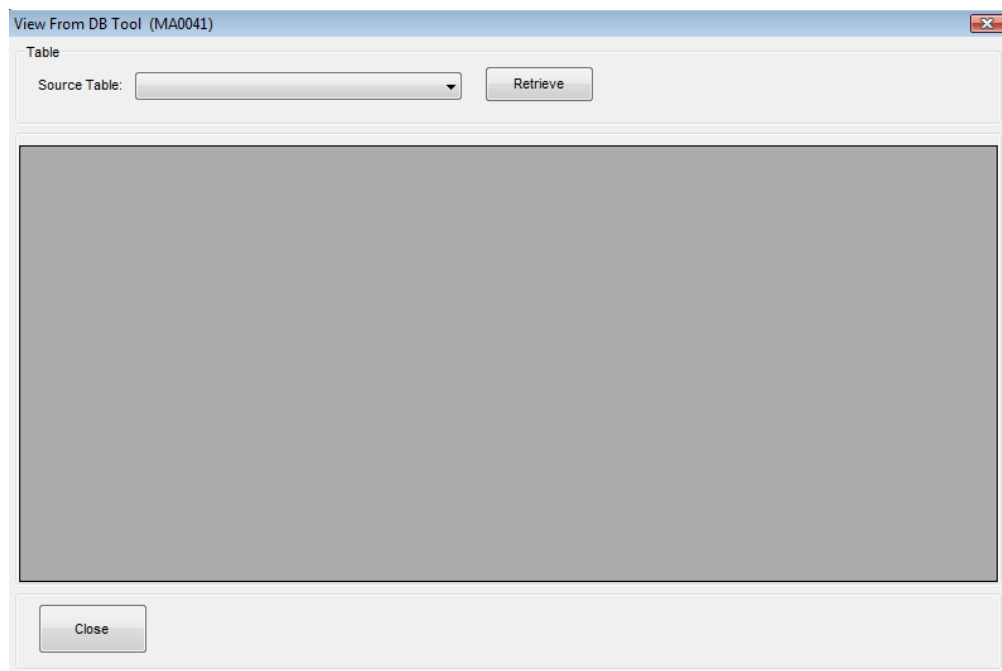


Figure 122 View from DB Tool Form with empty data.

3. Select table name and click Retrieve.

View From DB Tool (MA0041)

Table

Source Table:

C01	C02	C03	C04	C05	C06	C07
TemplateID	Settlement Acc.No.	Value Date	Customer Ref.	Sec. Sel.	CCY	Remit. Amount
ABA Lock			3032025737	I	USD	100
AGRAMKOW			3032025737	I	USD	0
Asiatec Link			3032025737	I	USD	0
ASTI (USD)			3032025737	I	USD	0
ASTI (YEN)			3032025737	I	JPY	0
BTMSATOCA	6315121000824828THB		3032025737	B	THB	100
ChengHua			3032025737	I	USD	0
CHINA MACHINERY			3032025737	I	USD	0
CITIBANK	6315121000824828THB		3032025737	D	THB	1000
CTBBAHTNET	6315111000278734THB		3032025737	D	THB	0
Status:				Posted		
G/L Account No.						3403TH07

Figure 123 Viewing imported data from View From DB Tool.

6. Error Messages

This chapter contains a list of the error messages that you may receive when you convert a source file during the conversion process. It also describes the cause of the error and how to resolve the errors.

General

S/N	Error Message	Cause	Resolution
1	<Field Name> is not a valid amount.	Remittance Amount field does not contain a valid amount.	Please check your source file or the common template created by the super user to correct the invalid data.
2	<Field Name> is not a valid numeric field.	The specified field can only accept numeric data, but the data actually present is non-numeric.	Please check your source file or the common template created by the super user to correct the invalid data.
3	<Field Name> is greater than max length <Field length>.	The data in the specified field is greater than the allowable field length which is defined by the Administrator in the Master Template. Remarks: for GCMS Plus format used in Hong Kong and Taiwan, it may also due to automatically converting "&" to "AND" and "@ " to "AT", which increase the field length.	If the field has been set as editable, you can manually trim the data, or you can also allow the application to trim the data for you during conversion if the field is optional.
4	<Field Name> mandatory field cannot be empty.	Valid data is expected to be entered in the specified field, but the field is blank.	Please check your source file or the common template created by the super user to determine why the field does not have any data.
5	Error on Mapping (CopyMapping) : Common Template or Master Template used is not compatible with this version. Please check the followings: 1.) Ensure the program version is later than 3.13. 2.) Ensure the 'Consolidate Field' field is defined in master template. 3.) Ensure the 'Consolidate Field' is listed at the end of bank fields list in Common template mapping.	"Consolidate Field" is not found in the selected master template or common template or program version is mismatched.	One or more of the following cases are happened. So check the followings and correct accordingly. 1.) Ensure the program version is later than 3.13. 2.) Ensure the 'Consolidate Field' field is defined in master template. 3.) Ensure the 'Consolidate Field' is listed at the end of bank fields list in Common template mapping.
6	<Amount File Name> should not be zero or negative. Please check the payment option selected or there may be invalid data in your source file.	After consolidating the records with ' positive ' payment option, the consolidated amounts include a negative or zero value.	Check the Consolidate Group By fields setting and 'Amount' values before and after consolidation. Correct the negative or zero values in the resultant data.

7	<Amount File Name> should not be zero or positive. Please check the payment option selected or there may be invalid data in your source file.	After consolidating the records with ' negative ' payment option, the consolidated amounts include a positive or zero value.	Check the Consolidate Group By fields setting and 'Amount' values before and after consolidation. Correct the positive or zero values in the resultant data.
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6.1 GCMS

S/N	Error Message	Cause	Resolution
1	<Field Name> cannot contain hyphen [-] or colon [:] at positions 1/36/71/106.	Beneficiary Bank, Beneficiary Name, Message to Beneficiary and Information to Remitting Bank fields do not allow hyphen [-] and colon [:] to be present at positions 1/36/71/106.	Remove the hyphen [-] and colon [:] from positions 1/36/71/106.
2	Value Date should be equal to or greater than today and less than 21 calendar days from today's date.	The value date cannot be less than today's date or 21 days greater than today's date.	Use the "Take Value Date" option on the common user screen to change the value date.
3	Remittance Amount should not be zero or positive. Please check the payment option selected or there may be invalid data in your source file.	During consolidation, if the user has selected -ve as Payment option, then the total value of each remittance amount cannot be a positive value. The remittance amount also cannot be zero.	Check if the payment option selected is correct or if the source file contains invalid data or not.
4	Remittance Amount should not be zero or negative. Please check the payment option selected or there may be invalid data in your source file.	During consolidation, if the user has selected +ve as Payment option, then the total value of each remittance amount cannot be a negative value. The remittance amount also cannot be zero.	Determine if the payment option selected is wrong or if the source file contains invalid data.
5	Charges Account Number should be blank in case that Bank Charge is 'BEN'.	Bank Charges value is not a valid value.	Please check the source file, the mapping and the translation tab on the common template to determine the cause of the invalid value.
6	Charges Account Number should be blank in case that Bank Charge is 'BEN'.	If the Bank Charge is set as 'BEN', then the Charges Account Number must be blank.	Please check the mapping and the translation tab on the common template to determine the cause of the invalid value.
7	Charges Account Number should not be equal to Settlement Account Number.	If the Bank Charge is 'OUR' or the Bank Charge is 'SHA', then the Charges Account Number should be different from the Settlement Account Number.	Please check the mapping and the translation tab on the common template to determine where the Charges Account Number is obtaining its value.
8	Exchange Method should be blank in case that the currency code in Settlement A/C No. is the same as the transaction currency.	If the currency code in the Settlement A/C No. is the same as the Currency field, then no Exchange Method should be specified.	Please check the mapping and the translation tab on the common template to determine where the Exchange Method is obtaining its value.
9	Contract Number should be blank in case that the currency code in Settlement A/C No. is the same as the currency.	If the currency code in the Settlement A/C No. is the same as the Currency field, then no Contract Number should be specified.	Please check the mapping and the translation tab on the common template to determine where the Contract Number is obtaining its value.

10	Exchange Method value should be 'Cont'.	If a Contract Number is specified and currency code in Settlement A/C No is different from Currency, then the Exchange method must be 'Cont'.	Please check the mapping and the translation tab on the common template to determine where the Exchange Method or the Contract Number is obtaining its value.
11	Exchange Method value should be 'Spot'.	If a Contract Number is not specified and currency code in Settlement A/C No is different from Currency, then the Exchange method must be 'Spot'.	Please check the mapping and the translation tab on the common template to determine where the Exchange Method or the Contract Number is obtaining its value.
12	Information to Remitting Bank cannot contain more than 70 characters.	If Purpose of Remittance is specified then the length of Information to Remitting Bank field must not exceed 70 characters.	If the field has been set as editable, you can manually trim the data, or you can also allow the application to trim the data for you during conversion.
13	Remittance amount should not be zero or negative.	The Remittance Amount cannot be a negative amount before consolidation.	Please check the Remittance amounts in the source file.
14	Invalid Settlement Account No. Data length is too short to verify the Currency Code.	If Settlement Account No. is less than 7 characters, system can't check the currency code to determine Exchange Method and Contract No.	Check the Settlement Account No. field value in the source file or translator setting.
15	Invalid Settlement Account No Currency Code.	If Settlement Account No. Currency code or Transaction Currency code is not matched with any of the default currency code list which is configured in master template.	Check the currency code value is setup in the master template list or not.

6.2 EPS

S/N	Error Message	Cause	Resolution
1	BSB format is incorrect. It must be 3 digits-3 digits.	BSB is not exactly 7 characters length with 3 digits – 3 digits format.	Correct the data so that BSB is exactly 7 characters with 3 digits – 3 digits format.
2	Value Date should be a valid date.	Value Date is invalid due to incorrect format.	Use the “Take Value Date” option on the common user screen to change the Value Date to a valid date or correct the information in the source file.
3	Value Date should be greater than today’s date.	The Value Date is less than today’s date.	Use the “Take Value Date” option on the common user screen to change the Value Date to a valid date or correct the information in the source file.
4	Value Date cannot fall on Saturday or Sunday.	Value Date falls on Saturday or Sunday which is a non-working day.	Use the “Take Value Date” option on the common user screen to change the Value Date to a valid date or correct the information in the source file.
5	Amount should not be zero or negative.	The Amount is a negative value or zero.	Please check the Amounts in the source file.
6	Remitter must have at least two characters.	The Remitter might be blank or less than two characters length.	Please check the Remitters in the source file.
7	APCA ID must be Numeric.	Alphabetic character is found in APCA ID field, it must be numbers.	Please check the APCA IDs in the source file.
8	Total Amount should not be zero or negative.	The Total Amount field has a negative value or zero.	Please check the Amounts in the source file.
9	Credit Amount should not be zero or negative.	The Credit Amount cannot be a negative value or zero.	Please check the Amounts in the source file.
10	Record Type D is incorrect. It must be 1.	Record Type D value is not 1.	Please check the Record Type D in the source file.
11	WHT is incorrect. It must be 00000000.	WHT is not 00000000.	Please check
12	ACNO contains invalid characters. It can accept only hyphen, numeric and space.	ACNO can accept only hyphen, numeric and space.	Correct ACNO data by editing out the invalid characters.
13	Settlement Account contains invalid characters. It can accept only hyphen, numeric and space.	Settlement Account can accept only hyphen, numeric and space.	Correct Settlement Account data by editing out the invalid characters.
14	Record Type H is incorrect. It must be 0.	Record Type H is not 0.	Please check Record Type H in source file or Common Template.
15	Blank Field H1 must be blank.	Blank Field H1 is not all blanks.	Please check Blank Field H1 in source file or Common Template.
16	Blank Field H2 must be blank.	Blank Field H2 is not all blanks.	Please check Blank Field H2 in source file or Common Template.
17	Blank Field H3 must be blank.	Blank Field H3 is not all blanks.	Please check Blank Field H3 in source file or Common Template.
18	Reel Sequence is incorrect. It must be 01.	Reel Sequence is not 01.	Please check Reel Sequence in source file or Common Template.

19	Financial Institution is incorrect. It must be WBC.	Financial Institution is not WBC.	Please check Financial Institution in source file or Common Template.
20	Record Type T is incorrect. It must be 7.	Record Type T is not 7.	Please check Record Type T in source file or Common Template.
21	Filler 1 is incorrect. It must be 999-999.	Filler 1 is not in the format 999-999.	Please check Filler 1 in source file or Common Template.
22	Blank Field T1 must be blank.	Blank Field T1 is not all blanks.	Please check Blank Field T1 in source file or Common Template.
23	Blank Field T2 must be blank.	Blank Field T2 is not all blanks.	Please check Blank Field T2 in source file or Common Template.
24	Blank Field T3 must be blank.	Blank Field T3 is not all blanks.	Please check Blank Field T3 in source file or Common Template.
25	Beneficiary must not be all blanks.	Beneficiary is blank.	Please check Beneficiary in source file or Common Template.
26	Lodgement Reference must not be all blanks.	Lodgement Reference is blank.	Please check Lodgement Reference in source file or Common Template.
27	APCA ID exceeds the specified length.	APCA ID has over-length data.	Please check the length of APCA ID data in source file or Common Template.
28	Indicator is not a valid Indicator.	Indicator accepts only N,W,X,Y or space.	Please correct the data in source file or Common Template.
29	Transaction Code is not a valid Transaction Code.	Transaction Code accepts only 50,51,52,53,54,55,56 or 57.	Please correct the data in source file or Common Template.
30	Amount should not be zero or negative.	Amount value is negative or zero.	Please check the Amount value in source file or Common Template.
31	Record Count cannot exceed 999999 records.	Record Count must be less than 1000000 records.	Please check the number of records in source file or Common Template.
32	Value Date has invalid month value. Please compare the common template and source data.	Value Date format in common template and source file are different due to different date format settings in system.	Please check the date formats specified in common template and source file.
33	Customer Name must not be all blanks.	Customer Name is blank.	Please check Customer Name in source file or Common Template.
34	Description of file must not be all blanks.	Description of file is blank.	Please check Description of file in source file or Common Template.
35	Debit Amount should not be greater than zero.	Debit Amount should be all zeroes.	Please check the Debit Amount.

6.3 VPS

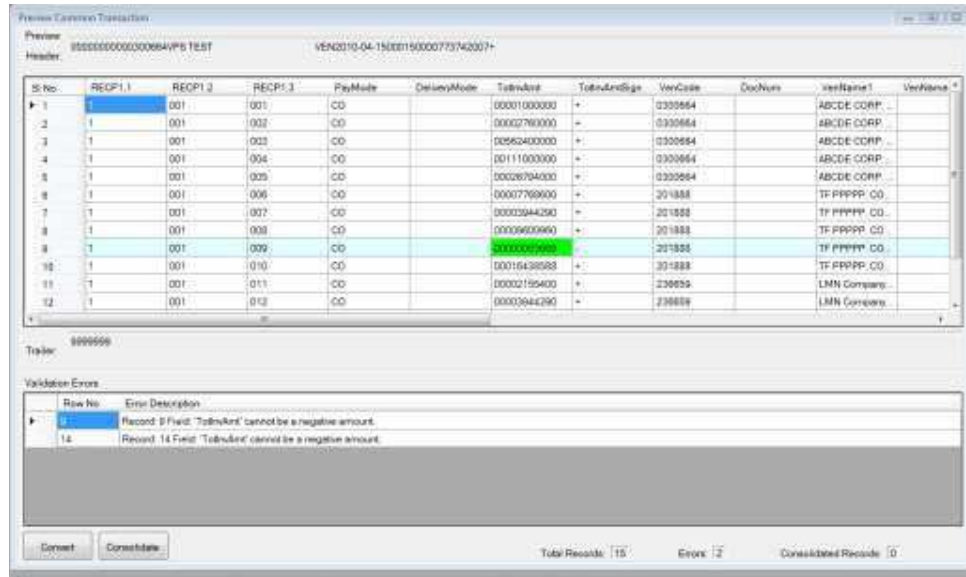
S/N	Error Message	Cause	Resolution
1	Account No. is incorrect.	An invalid Account No. has been specified.	The Account No. specified must be a valid Account No. containing only 0-9.
2	TotInvAmt cannot be a negative amount.	The total invoice amount for a Vendor cannot be negative.	Check the individual invoice amounts for the vendor in the source file.
3	Vendor Address is mandatory when Delivery Mode is 0, 1 and 2.	The Delivery Mode has been specified as 0, 1 or 2, but no Vendor Address has been provided.	A vendor address is required when the Delivery Mode has been given as 0, 1 or 2.
4	RECP 1.2/RECP 1.3/RECP 2.2/RECP 2.3 cannot exceed 999 records.	Total invoices for a vendor as well as the total number of vendors cannot exceed 999 each, i.e. in a given source file each vendor can have 999 invoices and the source file can contain maximum 999 vendors.	The data needs to be split into separate source files if either of the following occurs: 1) Total invoices per vendor exceed 999. 2) Total vendors in the source file exceed 999.
5	Invoice Amount exceeds the specified length.	The Invoice Amount in the source file does not conform with the length specified in the Master Template.	Check the invoice amount in the source file.
6	PayDate should be greater than today's date.	The payment date is either the current date or before the current date.	The payment date must be a date in the future.
7	PayDate cannot fall on Saturday or Sunday.	The payment date is a Saturday or Sunday.	Payment dates can only be working days of the week. Hence, the payment date cannot fall on a Saturday or Sunday.

Consolidation for VPS Output Format

Consolidation for the VPS output format consists of Vendor Records followed by Payment Records, the consolidation is used to determine the constitution of a Vendor. Accordingly, when the common user applies consolidation to the VPS format, the total Payment records per Vendor, the total invoice amount per Vendor, the total number of Vendors and the Grand total Invoice amount are re-calculated.

Follow these steps to consolidate the Remittance Amount for VPS:

Figure 124 VPS Output (Initial Preview) without consolidation – Total 15 records



Sl No	RECP1.1	RECP1.2	RECP1.3	PayMode	DeliveryMode	TotInvt	TotInvtSign	VenCode	DocNum	VerName1	VerName
1	001	001	001	CO		00001000000	+	0305664		ABCDE CORP	
2	001	001	002	CO		00002700000	+	0305664		ABCDE CORP	
3	001	001	003	CO		00002400000	+	0305664		ABCDE CORP	
4	001	001	004	CO		00111000000	+	0305664		ABCDE CORP	
5	001	001	005	CO		000026704000	+	0305664		ABCDE CORP	
6	001	001	006	CO		00007769600	+	201888		TF PPRPP CO	
7	001	001	007	CO		00003944290	+	201888		TF PPRPP CO	
8	001	001	008	CO		00009609660	+	201888		TF PPRPP CO	
9	001	001	009	CO		00000000000	+	201888		TF PPRPP CO	
10	001	001	010	CO		00016436968	+	201888		TF PPRPP CO	
11	001	001	011	CO		00002195400	+	236659		LMN Company	
12	001	001	012	CO		00003644290	+	236659		LMN Company	

1. During the initial preview, the payment records will not be consolidated. Hence each payment records denotes one vendor. For example, if there are 15 payment records, total number of Vendors (GrandNo field in the Header) will be 15 as shown. TotInvtAmt of each vendor will be the same as InvAmt. Also note the RECP1.2 and RECP1.3 values for each payment record. Click on Consolidate to open the Consolidation screen.

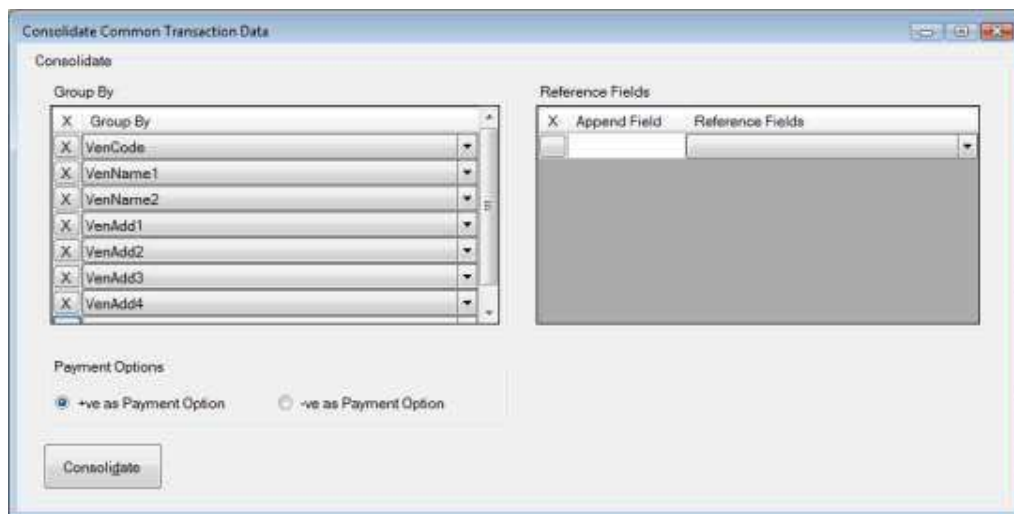


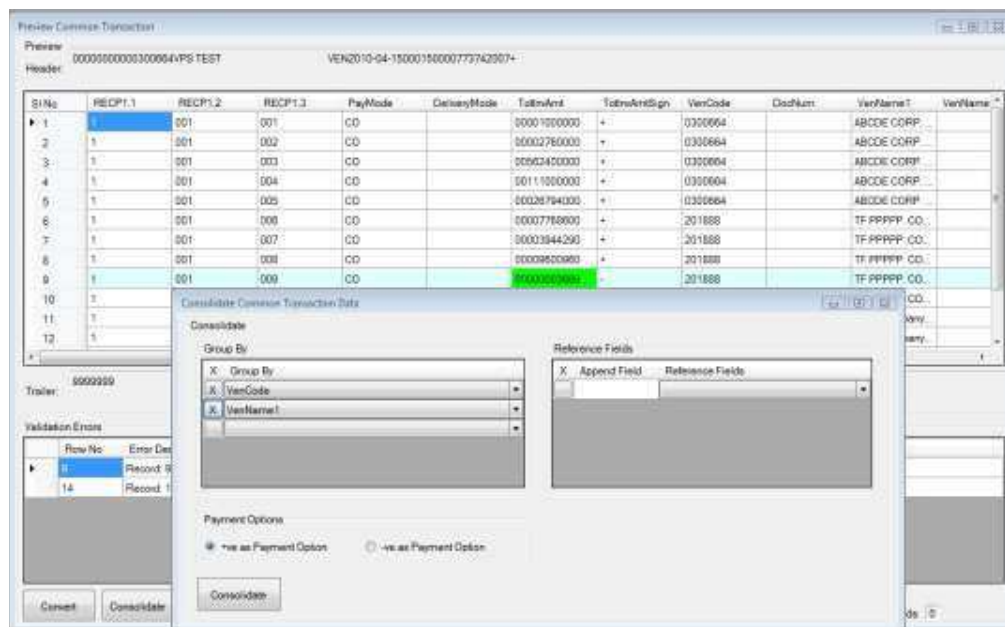
Figure 125 VPS Consolidation screen with default Group By fields

2. "Consolidate Common Transaction Data" screen will be shown with default Group By fields as shown in Figure 117. The following fields will be populated as default criteria:
 - i. VenCode
 - ii. VenName1
 - iii. VenName2
 - iv. VenAdd1
 - v. VenAdd2
 - vi. VenAdd3
 - vii. VenAdd4

User may add/remove the default criteria depending on the transaction records.

(**Note:** we **recommend using the default criteria** for consolidation unless there is no specific requirement.)

Figure 126 VPS consolidation by selecting only VenCode and VenName1 fields



The screenshot shows the "Preview Common Transaction" window. The main table displays transaction details with columns: S/N, RECP1, RECP2, RECP3, PayMode, DeliveryMode, TotalsAmt, TotalsAmtSign, VenCode, Disclum, VenName1, and VenName2. The table contains 12 rows of data. Below the table, there is a "Consolidate Common Transaction Data" dialog box. In the "Group By" section, "VenCode" and "VenName1" are selected. In the "Reference Fields" section, "Append Field" is selected. The "Payment Options" section has "Yes as Payment Option" selected. The "Consolidate" button is visible at the bottom of the dialog box.

3. Under the Group By Fields, remove all the default group by fields except VenCode and VenName1 (for this particular case). From the sample data, there are only three unique combinations of VenCode + VenName1. Click on Consolidate.

Preview Ceylon Transaction [Print] [Refresh]

Preview Header: 85555650000000864/PB TEST VENDOR ID-150003000073742037-

S.No.	RECP1_1	RECP1_2	RECP1_3	PayMode	Deduction Mode	TotalsDue	TotalDndge	VchCode	CocNums	Verification1	VerName *
1	1	005	001	CO		00703954000	*	0300664		ABCDE CORP	
2	1	005	001	CO		00703954000	*	0300664		ABCDE CORP	
3	1	005	001	CO		00703954000	*	0300664		ABCDE CORP	
4	1	005	001	CO		00703954000	*	0300664		ABCDE CORP	
5	1	005	001	CO		00703954000	*	0300664		ABCDE CORP	
6	1	005	002	CO		00037746769	+	201888		TF PPPPP CO	
7	1	005	002	CO		00037746769	+	201888		TF PPPPP CO	
8	1	005	002	CO		00037746769	+	201888		TF PPPPP CO	
9	1	005	002	CO		00037746769	+	201888		TF PPPPP CO	
10	1	005	003	CO		00032036026	+	236659		LNN Company	
12	1	005	003	CO		00032036236	+	236659		LNN Company	

* **

Tailer: 85555650

Validation Errors

Row No.	Error Description
---------	-------------------

[Commit] [Consolidate]

Total Records : 15 Errors : 0 Consolidated Records : 15

Figure 127 VPS Output after consolidation – Now there are 3 unique records

- The total number of vendors shown in the header is now 00003. Also the values for RECP1.2, RECP1.3 and TotInvAmt have changed accordingly to reflect the new selected criteria.

6.4 CWS

S/N	Error Message	Cause	Resolution
1	Invoice Amount/Check Amount/Total Invoice Amount has a negative amount.	The Invoice amount is less than zero.	The CWS output format does not allow invoice amounts to be less than zero. Kindly check the invoice amount mentioned in the source file.
2	Invoice Amount exceeds the specified length.	The Invoice Amount in the source file does not conform with the length specified in the Master Template.	Check the invoice amount in the source file.
3	Invoice Amount should not have more than 2 decimal places	The Invoice Amount in the source file contains more than 2 decimal places.	Check the invoice amount in the source file.
4	Customer Code contains invalid characters.	The Customer Code data can only contain A-Z, a-z, 0-9, hyphen (-), period (.), and blank spaces ().	Check the Customer Code data and remove all invalid characters.
5	Beneficiary Code contains invalid characters.	The Beneficiary Code data can only contain A-Z, a-z, 0-9, hyphen (-), period (.), and blank spaces ().	Check the Beneficiary Code data and remove all invalid characters.
6	Payee Name contains invalid characters.	The Payee Name data can only contain A-Z, a-z, 0-9, hyphen (-), period (.), and blank spaces ().	Check the Payee Name data and remove all invalid characters.
7	Invoice No. contains invalid characters.	The Invoice No. data can only contain A-Z, a-z, 0-9, hyphen (-), period (.), and blank spaces ().	Check the Invoice No. data and remove all invalid characters.

Consolidation for CWS Output Format

Consolidation for CWS output format consists of Detail Records followed by Invoice Records, the consolidation is used to determine the constitution of a unique Detail Record. Accordingly, when the common user applies consolidation to the CWS format, the Reference ID, Check Amount, Total Invoice No., and Total Invoice Amounts are re-calculated.

Follow these steps to consolidate the Remittance Amount for CWS:

Preview Common Transaction

Preview: H.5121000206201.15.494198.15

Header:

Sl No	Record Type	Reference ID	Ben	Payee Name	Check Amount	Total Invoice	Total Invoice	Reference ID (I)	Invoice No
1	D	20100106000	A...	ABC PTE LTD	694.00	1	694.00	20100106000	T2207162
2	D	20100106000	A...	ABC PTE LTD	190111.46	1	190111.46	20100106000	T2207163
3	D	20100106000	A...	ABC PTE LTD	1944.50	1	1944.50	20100106000	T2207164
4	D	20100106000	A...	ABC PTE LTD	1112.21	1	1112.21	20100106000	T2207165
5	D	20100106000	A...	AAA PTE LTD	12200.00	1	12200.00	20100106000	T2207166
6	D	20100106000	A...	AAA PTE LTD	953.60	1	953.60	20100106000	T2207167
7	D	20100106000	A...	AAA PTE LTD	500.00	1	500.00	20100106000	T2207168
8	D	20100106000	A...	AAA PTE LTD	114958.00	1	114958.00	20100106000	T2207169
9	D	20100106000	B...	BBB PTE LTD	446.10	1	446.10	20100106000	T2207170
10	D	20100106000	B...	BBB PTE LTD	53860.80	1	53860.80	20100106000	T2207171
11	D	20100106000	B...	BBB PTE LTD	15556.79	1	15556.79	20100106000	T2207172
12	D	20100106000	te.	CCC PTE LTD	84354.85	1	84354.85	20100106000	T2207173

Trailer: T.5121000206201.15.494198.15

Validation Errors

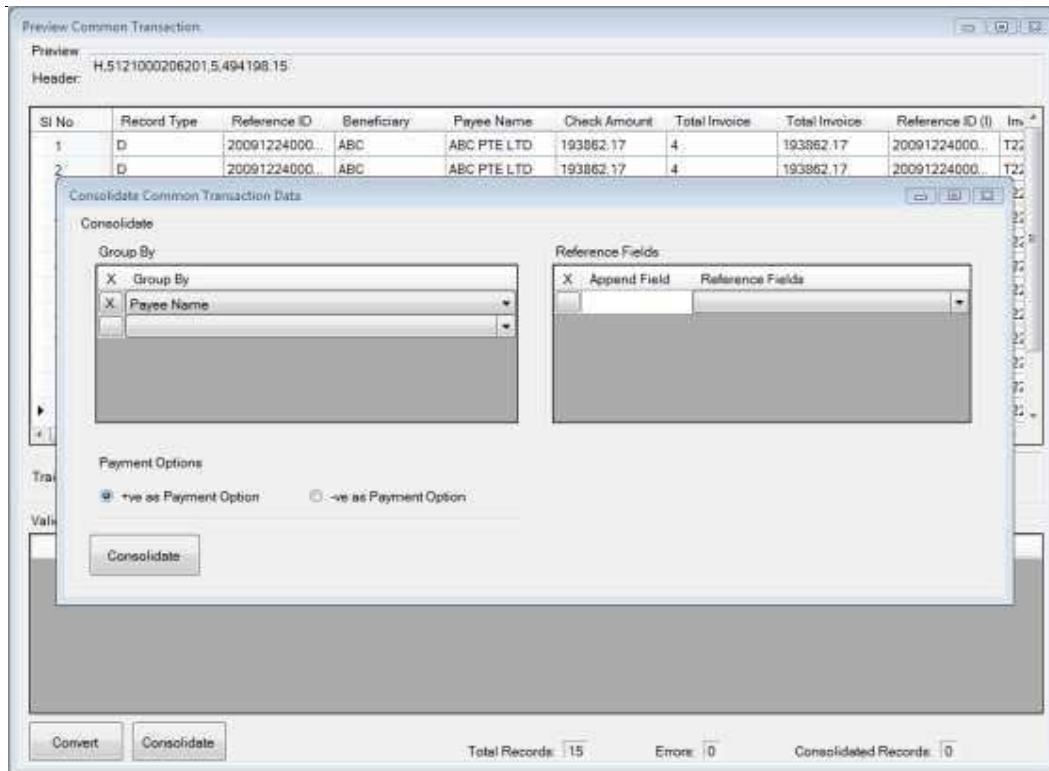
Row No	Error Description
--------	-------------------

Convert Consolidate

Total Records: 15 Errors: 0 Consolidated Records: 0

Figure 128 Output without Consolidation – Total 4 records

- During the initial preview a unique Detail record is defined by a unique combination of Beneficiary Code and Payee Name. From the above sample data, we can see that there are five unique Beneficiary Code values and four unique Payee Name values. Hence the total number of unique Payment records is 5 as shown in the Header. Also note the values for Reference ID, Check Amount, Total Invoice No. and Total Invoice Amount. All these values are determined based on the Beneficiary Code + Payee Name combination. Click on Consolidate to open the Consolidation screen.



Preview Common Transaction

Preview Header: H.5121000206201.5.494198.15

SI No	Record Type	Reference ID	Beneficiary	Payee Name	Check Amount	Total Invoice	Total Invoice	Reference ID (I)	Im
1	D	20091224000...	ABC	ABC PTE LTD	193862.17	4	193862.17	20091224000...	T2
2	D	20091224000...	ABC	ABC PTE LTD	193862.17	4	193862.17	20091224000...	T2

Consolidate Common Transaction Data

Consolidate

Group By

X Group By

X Payee Name

Reference Fields

X Append Field Reference Fields

Payment Options

☒ +ve as Payment Option ☐ -ve as Payment Option

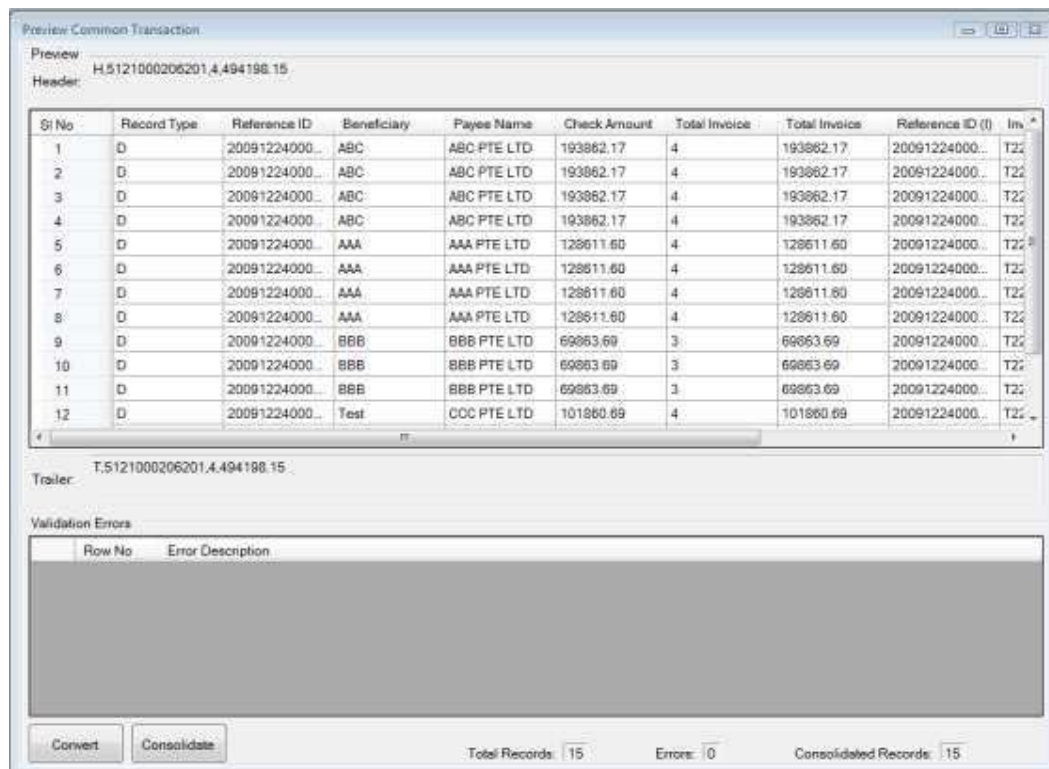
Consolidate

Convert Consolidate

Total Records: 15 Errors: 0 Consolidated Records: 0

Figure 129 During CWS consolidation, select only Payee Name as the Group By Field

- Under the Group by Fields select Payee Name. From the sample data we know that there are only four unique Payee Name values. Click on Consolidate.



Preview Common Transaction

Preview Header: H.5121000206201.4.494198.15

SI No	Record Type	Reference ID	Beneficiary	Payee Name	Check Amount	Total Invoice	Total Invoice	Reference ID (I)	Im
1	D	20091224000...	ABC	ABC PTE LTD	193862.17	4	193862.17	20091224000...	T2
2	D	20091224000...	ABC	ABC PTE LTD	193862.17	4	193862.17	20091224000...	T2
3	D	20091224000...	ABC	ABC PTE LTD	193862.17	4	193862.17	20091224000...	T2
4	D	20091224000...	ABC	ABC PTE LTD	193862.17	4	193862.17	20091224000...	T2
5	D	20091224000...	AAA	AAA PTE LTD	128611.60	4	128611.60	20091224000...	T2
6	D	20091224000...	AAA	AAA PTE LTD	128611.60	4	128611.60	20091224000...	T2
7	D	20091224000...	AAA	AAA PTE LTD	128611.60	4	128611.60	20091224000...	T2
8	D	20091224000...	AAA	AAA PTE LTD	128611.60	4	128611.60	20091224000...	T2
9	D	20091224000...	BBB	BBB PTE LTD	69863.69	3	69863.69	20091224000...	T2
10	D	20091224000...	BBB	BBB PTE LTD	69863.69	3	69863.69	20091224000...	T2
11	D	20091224000...	BBB	BBB PTE LTD	69863.69	3	69863.69	20091224000...	T2
12	D	20091224000...	Test	CCC PTE LTD	101860.69	4	101860.69	20091224000...	T2

Trailer: T.5121000206201.4.494198.15

Validation Errors

Row No	Error Description
--------	-------------------

Convert Consolidate

Total Records: 15 Errors: 0 Consolidated Records: 15

Figure 130 CWS output after consolidation – Now there are four unique records

3. We see that the total number of Detail Records is now four as shown in the header. Also the values for Reference ID, Check Amount, Total Invoice No. and Total Invoice Amount have changed accordingly to reflect the new selected criteria.

Preview Common Transaction

Preview Header: H.5121000206201.5.494198.15

Sl No	Record Type	Reference ID	Beneficiary	Payee Name	Check Amount	Total Invoice	Total Invoice	Reference ID (I)	Im
1	D	20091224000	ABC	ABC PTE LTD	193862.17	4	193862.17	20091224000	T2
2	D	20091224000	ABC	ABC PTE LTD	193862.17	4	193862.17	20091224000	T2
3	D	20091224000	ABC	ABC PTE LTD	193862.17	4	193862.17	20091224000	T2
4	D	20091224000	ABC	ABC PTE LTD	193862.17	4	193862.17	20091224000	T2
5	D	20091224000	AAA	AAA PTE LTD	128611.60	4	128611.60	20091224000	T2
6	D	20091224000	AAA	AAA PTE LTD	128611.60	4	128611.60	20091224000	T2
7	D	20091224000	AAA	AAA PTE LTD	128611.60	4	128611.60	20091224000	T2
8	D	20091224000	AAA	AAA PTE LTD	128611.60	4	128611.60	20091224000	T2
9	D	20091224000	BBB	BBB PTE LTD	69863.69	3	69863.69	20091224000	T2
10	D	20091224000	BBB	BBB PTE LTD	69863.69	3	69863.69	20091224000	T2
11	D	20091224000	BBB	BBB PTE LTD	69863.69	3	69863.69	20091224000	T2

Consolidate Common Transaction Data

Consolidate

Group By

☒ Group By

☒ Beneficiary Code

☒ Payee Name

Reference Fields

☒ Append Field

Reference Fields

Payment Options

☒ +ve as Payment Option

☐ -ve as Payment Option

Consolidate

Figure 131 CWS output after putting the original criteria – Total 5 Detail Records

4. If the user again adds Beneficiary Code to the list of Group by fields, we will see that the values will be same as the initial conversion.

6.5 Bulk Transfer Format

S/N	Error Message	Cause	Resolution
1	Customer Name contains invalid characters	The allowed characters are a-z, A-Z, 0-9, forward slash(/), hyphen(-), question mark(?), opening bracket([), closing bracket()], comma(,), period(.) , single quote('), plus sign(+), colon(:) and blank space.	Check the Customer Name data and remove all invalid characters.
2	Settlement Account contains invalid characters	The allowed characters are a-z, A-Z, 0-9, forward slash(/), hyphen(-), question mark(?), opening bracket([), closing bracket()], comma(,), period(.) , single quote('), plus sign(+), colon(:) and blank space.	Check the Settlement Account data and remove all invalid characters.
3	Value Date must be a valid date	The date must be valid	Check the value date is a valid date.
4	Value Date must be greater than or equal to Today's Date	The Value Date may be a past date.	Check the Value Date
5	Value Date must not be Saturday or Sunday.	The Value Date cannot be Saturday or Sunday	Check the Value Date or the Use Value Date function in Conversion to use a new Value Date.
6	Bene contains invalid characters	The allowed characters are a-z, A-Z, 0-9, forward slash(/), hyphen(-), question mark(?), opening bracket([), closing bracket()], comma(,), period(.) , single quote('), plus sign(+), colon(:) and blank space.	Check the Bene data and remove all the invalid characters.
7	BeneBank contains invalid characters	The allowed characters are a-z, A-Z, 0-9, forward slash(/), hyphen(-), question mark(?), opening bracket([), closing bracket()], comma(,), period(.) , single quote('), plus sign(+), colon(:) and blank space.	Check the BeneBank data and remove all the invalid characters.
8	BeneCity_Province contains invalid characters	The allowed characters are a-z, A-Z, 0-9, forward slash(/), hyphen(-), question mark(?), opening bracket([), closing bracket()], comma(,), period(.) , single quote('), plus sign(+), colon(:) and blank space.	Check the BeneCity_Province and remove all the invalid characters.
9	BeneAC contains invalid characters	The allowed characters are a-z, A-Z, 0-9, forward slash(/), hyphen(-), question mark(?), opening bracket([), closing bracket()], comma(,), period(.) , single quote('), plus sign(+), colon(:) and blank space.	Check the BeneAC data and remove all the invalid characters.
10	CCY contains invalid characters	The allowed characters are a-z, A-Z, 0-9, forward slash(/), hyphen(-), question mark(?),	Check the CCY data and remove all the invalid characters.

S/N	Error Message	Cause	Resolution
		opening bracket(() , closing bracket()), comma(,) period(.) , single quote('), plus sign(+), colon(:) and blank space.	
11	Amount must be numeric	The Amount data must be numeric	Check the Amount data in the source file
12	Amount should not be zero or negative	The Amount must be greater than zero	Check the Amount data in the source file.
13	Remark contains invalid characters	The allowed characters are a-z, A-Z, 0-9, forward slash(/), hyphen(-), question mark(?), opening bracket(() , closing bracket()), comma(,) period(.) , single quote('), plus sign(+), colon(:) and blank space.	Check the Remark data and remove all the invalid characters.

6.6 iFTS Format

S/N	Error Message	Cause	Resolution
1	Account No. is not a valid Account No.	An invalid Account No. has been specified.	The Account No. specified must be a valid Account No. containing only 0-9.
2	Bank Code is not a valid Bank Code	An invalid Bank Code has been specified.	The Bank Code specified must be a valid Bank Code containing only 0-9.
3	Branch Code is not a valid Branch Code	An invalid Branch Code has been specified.	The Branch Code specified must be a valid Branch Code containing only 0-9.
4	Less Charge is not a valid Less Charge	An invalid Less Charge has been specified.	Less Charge specified must be either BEN or OUR.
5	Service Type is not a valid Service Type	An invalid Service Type has been specified.	Service Type specified must be one of these(01, 02, 03, 04, 05, 06, 07 and 59)
6	Gross Amount must be numeric	Gross Amount should contain only numeric values	Check the Gross Amount data in the Source file.
7	Gross Amount should not be zero or negative	Gross Amount cannot be a negative amount	Check the Gross Amount data in the Source file.
8	Fax Notice is not a valid Fax Notice	An invalid Fax Notice has been specified.	Fax notice can only be F, N or blank.
9	Fax No. is invalid.	An invalid Fax No. has been specified.	The Fax No. specified must be a valid Fax No. containing only 0-9.
10	Fax No. is mandatory when Fax Notice is F.	Fax Notice is specified as F, but no Fax No. has been provided.	Specify a Fax No. if the Fax Notice is F. Alternatively, if there is no Fax No. the Fax Notice must be blank of N.
11	Fax No. length must be between 8 and 10.	An invalid Fax No. has been specified.	The length of a valid Fax No. must be between 8 to 10 characters only.
12	Tax ID is invalid.	An invalid Tax ID has been specified.	The Tax ID specified must be a valid Tax ID containing only 0-9.
13	Tax ID must be exactly 10 characters.	The Tax ID specified is invalid.	A valid Tax ID must be exactly 10 characters.
14	No. in the form must be a valid positive integer between 1 and 9999999999.	The No. in the form is invalid.	A valid No. in the form must contain only 0-9 and has to be between 1 and 9999999999.
15	Tax Form is invalid	An invalid Tax Form has been specified	Tax Form must be one of these(1,2,3,4,5,6,7)
16	The Payer of Income is not a valid Payer of Income	An invalid Payer of Income has been specified.	The Payer of Income must be one of these(1,2,3,4)
17	Other Payer of Income must be mandatory when Payer of Income is 4: Other.	The Other Payer of Income has not been specified.	When Payer of Income is 4: Other, then the Other Payer of Income is Mandatory.
18	Other Payer of Income should be blank when Payer of Income is not 4: Other.	The Payer of Income is not 4: Other, but the Other Payer of Income has been specified.	Do not specify any information for the Other Payer of Income if the Payer of Income is not 4: Other.
19	Type of Income is not a valid Type of Income	An invalid Type of Income has been specified.	Type of Income must be one of

			these(1,2,3,6,41,42,43,44,45,46,47,51)
20	Other Type of Income must be mandatory when Type of Income is 6: Other.	The Type of Income is 6: Other, but the Other Type of Income has not been specified.	When Type of Income is 6: Other, then the Other Type of Income is Mandatory.
21	WHT Amount must be less than or equal to the Amount Paid.	WHT Amount is greater than the Amount Paid.	The WHT Amount must be lesser than or equal to the Amount Paid.

6.7 iFTS2 Format

S/N	Error Message	Cause	Resolution
1	File Format Type is incorrect. It must be F2.	File Format Type is not F2	Check the File Format Type
2	Record Type-P is incorrect. It must be P	Record Type P is not P	Check the Record Type-P
3	Account No is not a valid Account No	An invalid Account No has been specified	Account No must contain only 0-9 characters.
4	Bank Code is not a valid Bank Code	An invalid Bank Code has been specified.	The Bank Code specified must be a valid Bank Containing only 0-9.
5	Branch Code is not a valid Branch Code	An invalid Branch Code has been specified.	The Branch Code specified must be a valid Branch Code containing only 0-9.
6	Bank Charge is not a valid Less Charge	An invalid Bank Charge has been specified	Bank Charge specified must be either BEN or OUR.
7	Service Type is not a valid Service Type	An invalid Service Type has been specified.	Service Type specified must be one of these(01, 02, 03, 04, 05, 06, 07 and 59)
8	Gross Amount must be numeric	Gross Amount should contain only numeric values	Check the Gross Amount data in the Source file.
9	Gross Amount should not be zero or negative	Gross Amount should contain only numeric values	Check the Gross Amount data in the Source file.
10	Gross Amount should not contain more than 2 decimal places.	Gross Amount cannot have more than 2 decimal places	Check the Gross Amount data in the Source file.
11	The integral part of Gross Amount exceeded the maximum length	Gross Amount cannot contain more than 13 digits before the decimal place	Check the Gross Amount data in the Source file.
12	Fax No. is invalid.	An invalid Fax No. has been specified.	The Fax No. specified must be a valid Fax No. containing only 0-9.
13	E-mail Address contain invalid characters	The allowed characters are ~`! !@#\$%^&*()-_+={[]} \ ; ' < , > . ? / 0-9, a-z	Check the E-mail address for invalid characters
14	Attention contains invalid characters	The allowed characters are ~`! !@#\$%^&*()-_+={[]} \ ; ' < , > . ? / 0-9, a-z	Check the Attention for invalid characters
15	Message to Beneficiary contains invalid characters	The allowed characters are ~`! !@#\$%^&*()-_+={[]} \ ; ' < , > . ? / 0-9, a-z	Check the Message to Beneficiary for invalid characters.
16	WHT Delivery Method is not a valid WHT Delivery Method	An invalid WHT Delivery Method has been specified	WHT Delivery Method can only be M, R or C
17	Record Type -W is incorrect. It must be W	Record Type -W must be W	Check the Record Type-W
18	W/H Tax No contains invalid characters	The allowed characters are ~`! !@#\$%^&*()-_+={[]} \ ; ' < , > . ? / 0-9, a-z	Check the W/H Tax No for invalid characters
19	Tax ID/ ID Card No is invalid	An invalid Tax ID/ID Card No has been specified.	Tax ID/ID Card No can contain only 0-9 characters.
20	Tax ID/ ID Card No must be exactly 10 or 13 characters	Tax ID/ID Card No is not exactly 10 or 13 characters	Check the Tax ID/ID Card No
21	No. in the form must be a valid positive integer between 1 and 9999999999.	The No. in the form is invalid.	A valid No. in the form must contain only 0-9 and has to be between 1 and 9999999999.
22	Tax Form is invalid	An invalid Tax Form has been specified	Tax Form must be one of these(1,2,3,4,5,6,7)
23	The Payer of Income is not a valid Payer of Income	An invalid Payer of Income has been specified.	The Payer of Income must be one of these(1,2,3,4)

24	Other Payer of Income must be mandatory when Payer of Income is 4: Other.	The Other Payer of Income has not been specified.	When Payer of Income is 4: Other, then the Other Payer of Income is Mandatory.
25	Other Payer of Income should be blank when Payer of Income is not 4: Other.	The Payer of Income is not 4: Other, but the Other Payer of Income has been specified.	Do not specify any information for the Other Payer of Income if the Payer of Income is not 4: Other.
26	Type of Income is not a valid Type of Income	An invalid Type of Income has been specified.	Type of Income must be one of these(1,2,3,6,41,42,43,44,45, 46,47,51)
27	Amount Paid must be numeric	Amount Paid should contain only numeric values	Check the Amount Paid data in the Source file.
28	Amount Paid should not be zero or negative	Amount Paid must be greater than 0	Check the Amount Paid in the source file
29	Amount Paid should not contain more than 2 decimal places	Amount Paid contains more than 2 decimal places	Check the Amount Paid in the source file.
30	The integral part of Amount Paid must not exceed the maximum length	The Amount Paid contains more than 13 digits before the decimal place	Check the Amount Paid in the source file.
31	Tax Rate should not contain more than 2 decimal places	Tax Rate contains more than 2 decimal places	Check the Tax Rate in the source file.
32	The integral part of Tax Rate must not exceed the maximum length	The Tax Rate contains more than 3 digits before the decimal place	Check the Tax Rate in the source file.
33	The Tax Rate must be within 0.01 and 100.00	Tax Rate is either less than 0.01 or greater than 100.00	Check the Amount Paid in the source file.
27	WHT Amount must be numeric	WHT Amount should contain only numeric values	Check the WHT Amount data in the Source file.
28	WHT Amount should not be zero or negative	WHT Amount must be greater than 0	Check the WHT Amount in the source file
29	WHT Amount should not contain more than 2 decimal places	WHT Amount contains more than 2 decimal places	Check the WHT Amount in the source file.
30	The integral part of WHT Amount must not exceed the maximum length	The WHT Amount contains more than 13 digits before the decimal place	Check the WHT Amount in the source file.
34	Record Type-I is incorrect. It must be I	Record Type -I is not I	Check the Record Type-I
35	Invoice No. must be alphanumeric.	Invoice No contains characters other than 0-9 and a-z	Check the Invoice No of invalid characters.
36	Invoice Amount must be numeric	Invoice Amount should contain only numeric values	Check the Invoice Amount data in the Source file.
37	Invoice Amount should not be zero or negative	Invoice Amount must be greater than 0	Check the Invoice Amount in the source file
38	Invoice Amount should not contain more than 2 decimal places	Invoice Amount contains more than 2 decimal places	Check the Invoice Amount in the source file.
39	The integral part of Invoice Amount must not exceed the maximum length	The Invoice Amount contains more than 13 digits before the decimal place	Check the Invoice Amount in the source file.
36	VAT Amount must be numeric	VAT Amount should contain only numeric values	Check the VAT Amount data in the Source file.
37	VAT Amount should not be zero or negative	VAT Amount must be greater than 0	Check the VAT Amount in the source file
38	VAT Amount should not contain more than 2 decimal places	VAT Amount contains more than 2 decimal places	Check the VAT Amount in the source file.

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39	The integral part of VAT Amount must not exceed the maximum length	The VAT Amount contains more than 13 digits before the decimal place	Check the VAT Amount in the source file.
36	Net Amount must be numeric	Net Amount should contain only numeric values	Check the Net Amount data in the Source file.
37	Net Amount should not be zero or negative	Net Amount must be greater than 0	Check the Net Amount in the source file
38	Net Amount should not contain more than 2 decimal places	Net Amount contains more than 2 decimal places	Check the Net Amount in the source file.
39	The integral part of Net Amount must not exceed the maximum length	The Net Amount contains more than 14 digits before the decimal place	Check the Net Amount in the source file.

6.8 iRTMS-Cheque Format

S/N	Error Message	Cause	Resolution
1	Amount should not be zero or negative	Amount is either zero or less than zero.	Check the Amount data in the source file.
2	Amount should not contain more than 2 decimal places	Amount contains more than 2 decimal places	Check the Amount data in the source file
3	Amount should not contain decimal places.	The Currency is either JPY or IDR and the Amount contains decimal places	Check the Currency and Amount data in the source file.
4	Beneficiary Address 1 is mandatory when Delivery Mode is B	The Delivery Mode is B and Beneficiary Address 1 was not provided	Check the Beneficiary Address1 in the source file.

6.9 iRTMS-Remittance Format

S/N	Error Message	Cause	Resolution
1	Amount should not be zero or negative	Amount is either zero or less than zero.	Check the Amount data in the source file.
2	Amount should not contain more than 2 decimal places	Amount contains more than 2 decimal places	Check the Amount data in the source file
3	Amount is greater than the maximum length: 12 without decimal places.	The Currency is 'JPY', 'TWD' or 'KRW' and the Amount data length is greater than 12 without decimal places.	Check the Amount data in the source file.
4	Beneficiary Country is mandatory when Transaction Code is DD	The Transaction Code is DD and Beneficiary Country was not provided	Check the Beneficiary Country in the source file.
5	Beneficiary Account No. is mandatory when Transaction code is DT, BT or FR.	The Transaction Code is either DT, BT or FR and Beneficiary Account No. was not provided.	Check the Beneficiary Account No, in the source file.
6	Beneficiary Bank Name is mandatory when Transaction Code is BT, DT, FR or blank	The Beneficiary Bank Name was not provided when the Transaction Code is BT, DT, FR or blank,	Check the Beneficiary Bank Name in the source file.

6.10 iRTMS Giro Format

S/N	Error Message	Cause	Resolution
1	Amount should not be zero or negative	Amount is either zero or less than zero.	Check the Amount data in the source file.
2	Amount should not contain more than 2 decimal places	Amount contains more than 2 decimal places	Check the Amount data in the source file
3	Amount should not contain decimal places.	The Currency is either JPY or IDR and the Amount contains decimal places	Check the Currency and Amount data in the source file.
4	Reference is mandatory when Transaction Code is DDR	The Transaction Code is DDR and Reference was not provided	Check the Reference in the source file.

6.11 Mr. Omakase India Format

S/N	Error Message	Cause	Resolution
1	File Type-H must be H	File Type-H was not H	Check the File Type-H
2	Account No must be exactly 19 characters	Account No does not contain 19 characters	Check the Account No
3	Account No must be alphanumeric	Account No contains characters other than alphabets and digits.	Check the Account No
4	Currency must be INR at the end of Account No	Account No does not end with INR	Check the Account No.
5	Fax Area Code is invalid	The allowed characters are 0-9	Check the Fax Area Code
6	Fax No is invalid	The allowed characters are 0-9	Check the Fax No for invalid characters.
7	E-mail address is not a valid email address	E-mail Address does not contain @ or dot symbol	Check the E-mail Address
8	Contact Person must be alphanumeric	Contact Person contains characters other than alphabets and digits.	Check the Contact Person.
9	File Type-P must be P	File Type -P was not P	Check the File Type-P
10	Transaction Type is not a valid Transaction Type	An invalid Transaction Type is provided	Transaction Type must be one of these(1,2,3,4,5,6,7)
11	Beneficiary Bank Branch IFSC Code is mandatory when Transaction Type is 1,2,3,4	Beneficiary Bank Branch IFSC Code is not provided	Check the Beneficiary Bank Branch IFSC Code
12	Beneficiary A/C No must be alphanumeric	Beneficiary A/C No contains characters other than alphabets and digits	Check the Beneficiary A/C No
13	Beneficiary A/C No is mandatory when Transaction Type is 1,2,3,4	Beneficiary A/C No is not provided	Check the Beneficiary A/C No Code
14	Beneficiary Name is mandatory when Transaction Type is 1,2,3,4,6,7	Beneficiary Name is not provided	Check the Beneficiary Name
15	Transaction Amount must be numeric.	Transaction Amount contains non-numeric values	Check the Transaction Amount
16	Transaction Amount should not contain more than 2 decimal places	Transaction Amount contains more than 2 decimal places	Check the Transaction Amount
17	Payee Name-1 is mandatory when Transaction Type is 5,6,7	Payee Name-1 was not provided	Check the Payee Name-1
18	Beneficiary Fax Area Code is invalid	Beneficiary Fax Area Code contains characters other than 0-9	Check the Beneficiary Fax Area Code
19	Beneficiary Fax Area Code is mandatory when Notice By is 02 or 04.	Beneficiary Fax Area Code was not provided.	Check the Beneficiary Fax Area Code
20	Beneficiary Fax No is invalid	Beneficiary Fax No contains characters other than 0-9	Check the Beneficiary Fax No
21	Beneficiary Fax No is mandatory when Notice By is 02 or 04.	Beneficiary Fax No is not provided	Check the Beneficiary Fax No.
22	Beneficiary E-mail Address is mandatory when Notice By is 03 or 04	Beneficiary E-mail Address Is not provided	Check the Beneficiary E-mail Address
23	VAT Amount -P must be numeric.	VAT Amount -P contains non-numeric values	Check the VAT Amount -P
24	VAT Amount -P should not contain more than 2 decimal places	VAT Amount -P contains more than 2 decimal places	Check the VAT Amount -P

S/N	Error Message	Cause	Resolution
25	Invoice Amount –P must be numeric.	Invoice Amount –P contains non-numeric values	Check the Invoice Amount –P
26	Invoice Amount –P should not contain more than 2 decimal places	T Invoice Amount –P contains more than 2 decimal places	Check the Invoice Amount –P
27	Discount Amount must be numeric.	Discount Amount contains non-numeric values	Check the Discount Amount
28	Discount Amount should not contain more than 2 decimal places	Discount Amount contains more than 2 decimal places	Check the Discount Amount
29	Mailing Name is mandatory when Transaction Type is 1,2,3,4,6,7	Mailing Name was not provided	Check the Mailing Name
30	Record Type-I must be I	Record Type-I was not I	Check the Record Type-I
31	VAT Amount -I must be numeric.	VAT Amount –I contains non-numeric values	Check the VAT Amount –I
32	VAT Amount –I should not contain more than 2 decimal places	VAT Amount –I contains more than 2 decimal places	Check the VAT Amount –I
33	Invoice Amount –I must be numeric.	Invoice Amount –I contains non-numeric values	Check the Invoice Amount –I
34	Invoice Amount –I should not contain more than 2 decimal places	T Invoice Amount – I contains more than 2 decimal places	Check the Invoice Amount –I

6.12 Mr. Omakase India II Format

S/N	Error Message	Cause	Resolution
1	File Type-H must be H	File Type-H is not H	Check the File Type-H
2	Account No must be exactly 19 characters	Account No does not contain 19 characters	Check the Account No
3	Account No must be alphanumeric	Account No contains characters other than alphabets and digits.	Check the Account No
4	Currency must be INR at the end of Account No	Account No does not end with INR	Check the Account No
5	Value Date must be greater than or equal to today's date and within 21 calendar days from Current Date.	Value Date is less than today or greater than 21 calendar days from current date.	Check the Value Date
6	Total Amount should not include more than 2 decimal places.	Total Amount value includes more than 2 decimal places.	Check the Total Amount
7	'Debit Type' value is invalid. Please choose either "0" (One Debit Multiple Credit) or "1" (Multiple Debit Multiple Credit).	Debit Type has invalid data.	Check the Debit Type
8	Fax Area Code is invalid	The allowed characters are 0-9	Check the Fax Area Code
9	Fax No is invalid	The allowed characters are 0-9	Check the Fax No for invalid characters.
10	E-mail address is not a valid email address	E-mail Address does not contain @ or dot symbol	Check the E-mail Address
11	Contact Person must be alphanumeric	Contact Person contains characters other than alphabets and digits.	Check the Contact Person.
12	Customer ID must be numeric	Customer ID allows only 0-9 characters.	Check Customer ID
13	File Type-P must be P	File Type -P is not P	Check the File Type-P
14	Transaction Type is not a valid Transaction Type	An invalid Transaction Type is provided	Transaction Type must be one of these(1,2,3,4,5,6,7)
15	Beneficiary Bank Branch IFSC Code is mandatory when Transaction Type is 1,2,3,4	Beneficiary Bank Branch IFSC Code is not provided	Check the Beneficiary Bank Branch IFSC Code
16	Beneficiary Bank Branch IFSC Code should be a MUFG Bank IFSC code only when Transaction Type is '3' or '4'	Beneficiary Bank Branch IFSC Code does not start with 'BOTM' (MUFG Bank IFSC Codes).	Check Beneficiary Bank Branch IFSC Code and Transaction Type.
17	Beneficiary Bank Branch IFSC Code must be alphanumeric	Beneficiary Bank Branch IFSC Code contains characters other than alphabets and digits	Check Beneficiary Bank Branch IFSC Code
18	Beneficiary A/C No. must be alphanumeric	Beneficiary A/C No. contains characters other than alphabets and digits	Check the Beneficiary A/C No.
19	Beneficiary A/C No. is mandatory when Transaction Type is 1,2,3,4	Beneficiary A/C No. is not provided	Check the Beneficiary A/C No.
20	Beneficiary A/C No. must not exceed 6 digits.	When Transaction Type is '3', Beneficiary A/C No. accepts up to 6 characters.	Check Beneficiary A/C No. and Transaction Type
21	Beneficiary A/C No. allows hyphen, dot, comma, space and alphanumeric only when Transaction Type is 2.	Beneficiary A/C No. doesn't allow special characters other than hyphen, comma, dot, and space when Transaction Type is 2.	Check Beneficiary A/C No. and Transaction Type

22	Beneficiary Name is mandatory when Transaction Type is 1,2,3,4,6,7	Beneficiary Name is not provided	Check the Beneficiary Name
23	Transaction Amount must be numeric.	Transaction Amount contains non-numeric values	Check the Transaction Amount
24	Transaction Amount should not contain more than 2 decimal places	Transaction Amount contains more than 2 decimal places	Check the Transaction Amount
25	Payee Name-1 is mandatory when Transaction Type is 5,6,7	Payee Name-1 is not provided	Check the Payee Name-1
26	[data] is not a valid Notice By value	Notice By field allows only 01, 02, 03 or 04.	Check the [data] in the Notice By field.
27	Applicant Mobile No is invalid	Applicant Mobile No contains characters other than 0-9	Check the Applicant Mobile No
28	Applicant Mobile No must be exactly 10 digits	Applicant Mobile No data length is not equal to 10	Check the Applicant Mobile No
29	Applicant Mobile No and Applicant E-mail Address must not exist together when Transaction Type is '2' or 'A'	Both of Applicant Mobile No and E-mail Address are provided	Applicant Mobile No and Applicant E-mail Address fields, whereby E-mail Address is higher priority.
30	Applicant E-mail Address is not a valid email address	Applicant E-mail Address does not contain @ or dot symbol	Check the Applicant E-mail Address
31	Applicant E-mail Address allows only single email address.	Applicant E-mail Address is mapped or translated with more than one email addresses.	Check the Applicant E-mail Address
32	VAT Amount –P must be numeric.	VAT Amount –P contains non-numeric values	Check the VAT Amount –P
33	VAT Amount –P should not contain more than 2 decimal places	VAT Amount –P contains more than 2 decimal places	Check the VAT Amount –P
34	Invoice Amount –P must be numeric.	Invoice Amount –P contains non-numeric values	Check the Invoice Amount –P
35	Invoice Amount –P should not contain more than 2 decimal places	Invoice Amount –P contains more than 2 decimal places	Check the Invoice Amount –P
36	Discount Amount must be numeric.	Discount Amount contains non-numeric values	Check the Discount Amount
37	Discount Amount should not contain more than 2 decimal places	Discount Amount contains more than 2 decimal places	Check the Discount Amount
38	Commission Charge To is invalid	Commission Charge To is not 'A' or 'B'	Check the Commission Charge To
39	Mailing Name is mandatory when Transaction Type is 1,2,3,4,6,7	Mailing Name is not provided	Check the Mailing Name

Source Field Mapping to Beneficiary Address Fields

In Mr. Omakase India II format, a special mapping is required for Beneficiary Address fields due to conditional value in Beneficiary Address 3 /Payable At field. Mr. Omakase India II format has 3 Beneficiary Address fields, namely 'Bene Address 1/Payee Address 1', 'Bene Address 2/Payee Address 2' and 'Bene Address 3/ Payable At'. When user mapped the (source) addresses fields to Beneficiary Address 1 bank fields as shown in the Figure 124, the mappings are automatically applicable to Beneficiary Address 2 & Beneficiary Address 3 /Payable At without mapping explicitly. The lengths of bank fields are auto-shifted depending on the field lengths in Magic-Mr. Omakase India II Master Template.

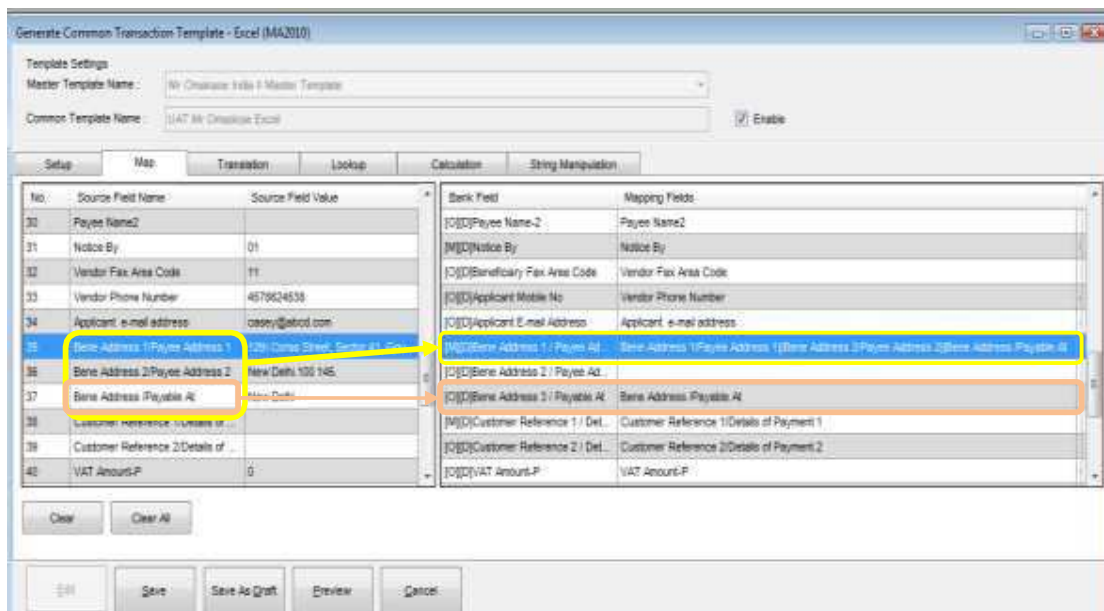


Figure 132 Mr. Omakase India II Mapping scenario for Beneficiary Address fields

How to map the beneficiary address fields?

1. Map all the address fields from source file to **only** "Bene Address 1/ Payee Address 1" Bank Field as shown in the above picture with yellow color boxes.
2. Map "Payable At" source field **only** to "Bene Address 3 / Payable At" Bank Field as shown in the above picture with orange color boxes.
3. "Bene Address 2 / Payee Address 2" Bank Field is **not required** to map with any source bene address fields. COMSUIE Conversion Tool will extract data from "Bene Address 1/ Payee Address 1" field by applying auto-shifting.

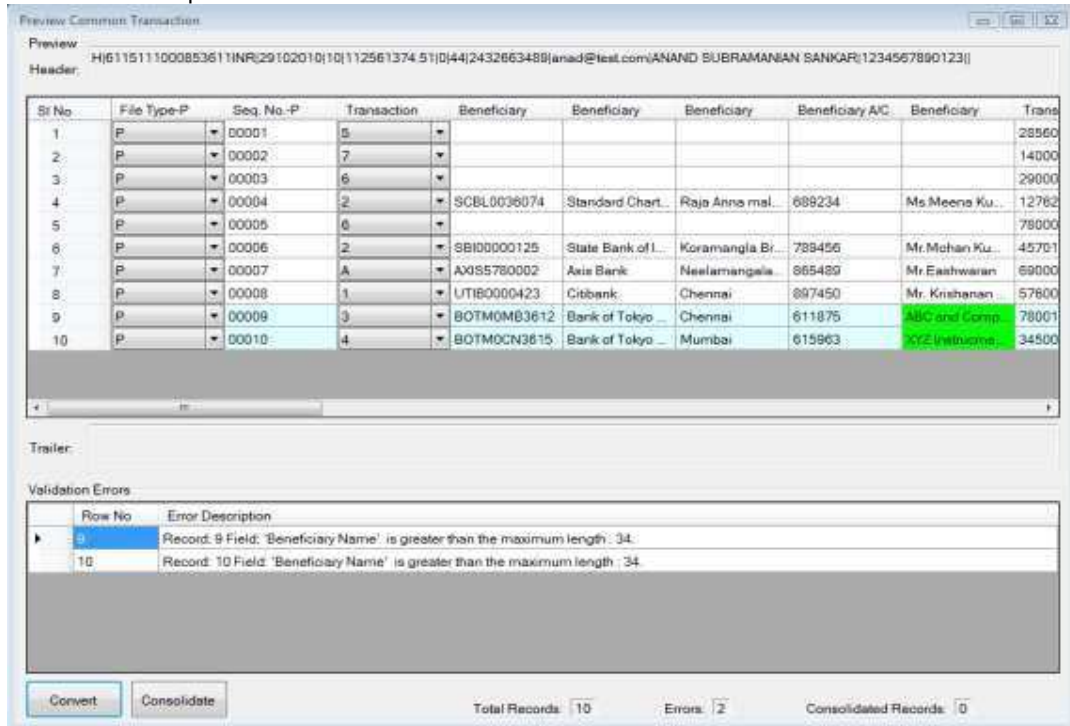
Note

COMSUIE Conversion Tool auto-shifting will be done based on the bank fields' maximum length specified in the master template.

Consolidation for Mr. Omakase India II Output Format

Consolidation for the Mr. Omakase India II output format consists of consolidating multiple payment records into one record based on the selected group by criteria. Accordingly, when the common user applies consolidation, the transaction amount, sequence number and the number of records are re-calculated.

Follow these steps to consolidate the Transaction Amount for Mr. Omakase India II format:



Sr No	File Type-P	Seq. No.-P	Transaction	Beneficiary	Beneficiary	Beneficiary	Beneficiary A/C	Beneficiary	Trans
1	P	00001	5						28560
2	P	00002	7						14000
3	P	00003	6						29000
4	P	00004	2	SCBL0036074	Standard Chart	Raja Anna mal	688234	Ms Meena Ku	12762
5	P	00005	6						78000
6	P	00006	2	SBID0000125	State Bank of I	Koramangla Br	788456	Mr. Mohan Ku	45701
7	P	00007	A	AXIS5780002	Axe Bank	Neelamangala	865489	Mr. Eashwaran	69000
8	P	00008	1	UTIB0000423	Citibank	Chennai	887450	Mr. Krishnan	57600
9	P	00009	3	BOTM0083612	Bank of Tokyo	Chennai	611875	ABC and Comp	78001
10	P	00010	4	BOTM00CN3615	Bank of Tokyo	Mumbai	615963	XYZ Institute	34500

Figure 133 Mr. Omakase India II Output (Initial Preview) without consolidation – Total 10 records

- During the initial preview, the payment records will not be consolidated. Hence each payment records denotes as one transaction. For example, if there are 10 payment records, total number of transactions ('No. of Record' field in the Header) will be 10 as shown. Click on Consolidate to open the Consolidation screen.

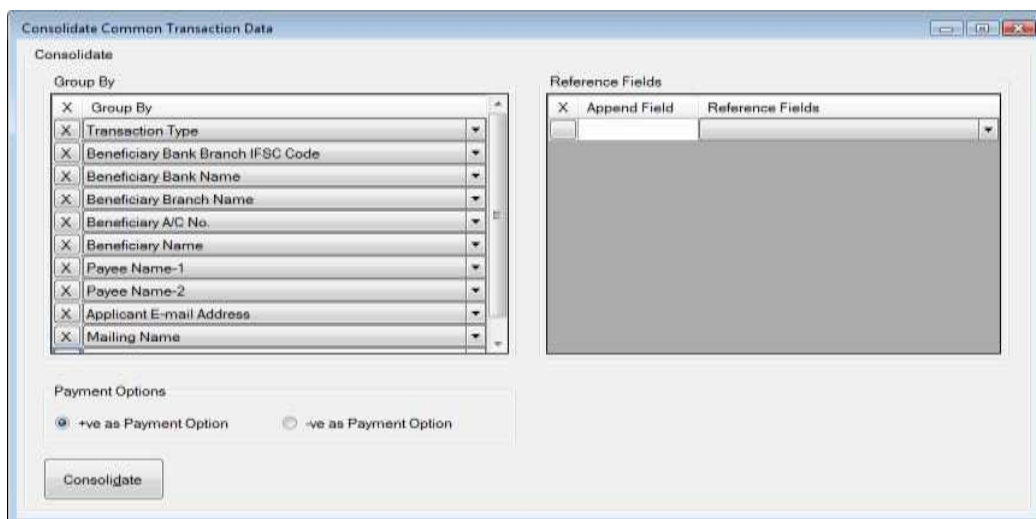
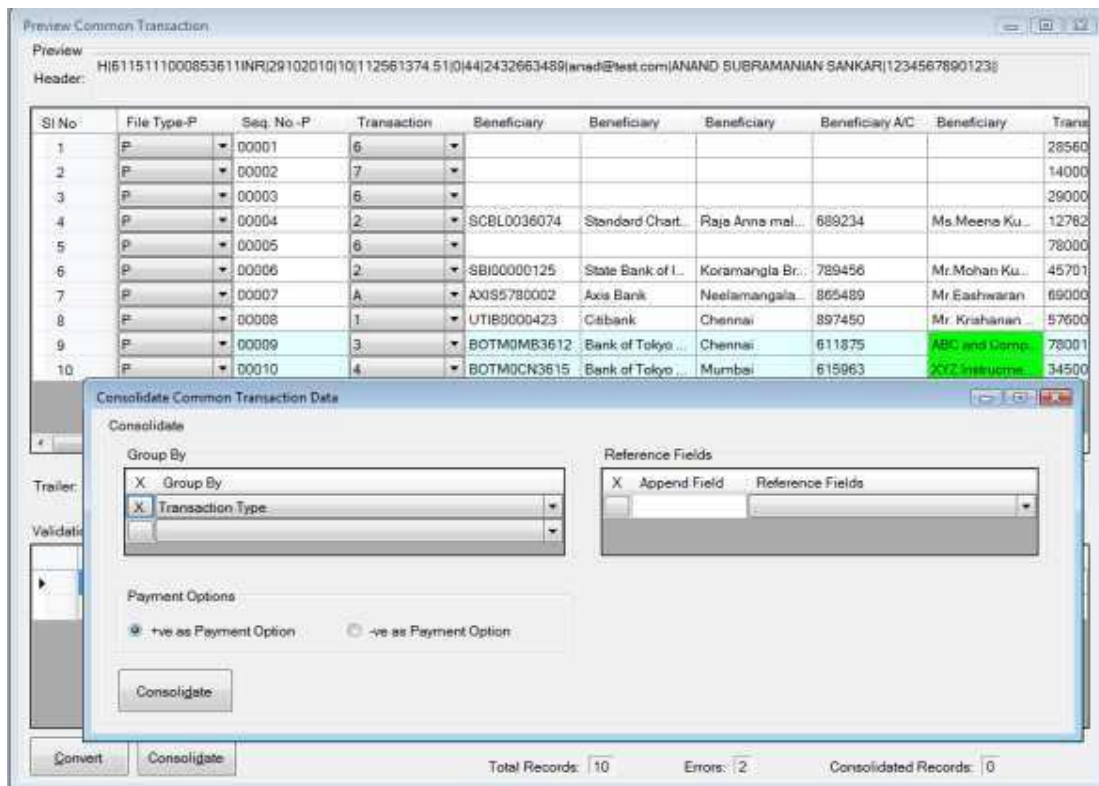


Figure 134 Mr. Omakase India II Consolidation screen with default Group By fields

2. "Consolidate Common Transaction Data" screen will be shown with default Group By fields as shown in Figure 126. The following fields will be populated as default criteria:
 - i. Transaction Type
 - ii. Beneficiary Bank Branch IFSC code
 - iii. Beneficiary Bank Name
 - iv. Beneficiary Branch Name
 - v. Beneficiary A/C No
 - vi. Beneficiary Name
 - vii. Payee Name-1
 - viii. Payee Name-2
 - ix. Applicant E-Mail Address
 - x. Mailing Name

User may add/remove the default criteria depending on the transaction records.

(**Note:** we **recommend using the default criteria** for consolidation unless there is no specific requirement.)



Sl No	File Type-P	Seq. No -P	Transaction	Beneficiary	Beneficiary	Beneficiary	Beneficiary A/C	Beneficiary	Trans
1	P	00001	6						28560
2	P	00002	7						14000
3	P	00003	6						29000
4	P	00004	2	SCBL0036074	Standard Chart...	Raja Anna mal...	689234	Ms.Meena Ku...	12762
5	P	00005	6						78000
6	P	00006	2	SBI00000125	State Bank of I...	Koramangla Br...	789456	Mr.Mohan Ku...	45701
7	P	00007	A	AXS5780002	Axis Bank	Neelamangala...	865489	Mr.Eashwaran	69000
8	P	00008	1	UTIB0000423	Citibank	Chennai	897450	Mr.Krishnan	57600
9	P	00009	3	BOTM0MB3612	Bank of Tokyo ...	Chennai	611875	ABC and Camp...	78001
10	P	00010	4	BOTM0CN3615	Bank of Tokyo ...	Mumbai	615963	XYZ Institute	34500

Figure 135 Mr. Omakase India II consolidation by selecting only Transaction Type field

3. Under the Group By Fields, remove all the default group by fields except 'Transaction Type' (for this particular case). From the sample data, there are only **seven** unique combinations of Transaction Type. Click on Consolidate.

Preview Common Transaction

Preview

Header: HIB115111000853611INR;29102010;7112561374 510442432663489anad@test.comANAND SUBRAMANIAN SANKAR12345678901234

Sl No	File Type-P	Seq. No.-P	Transaction	Beneficiary	Beneficiary	Beneficiary	Beneficiary A/C	Beneficiary	Trans
1	P	00001	1	UTIB0000423	Citibank	Chennai	897450	Mr. Krishnan ...	57600
2	P	00002	2	SCBL0036074	Standard Chart	Raja Anna mal	689234	Ma Meena Ku	17332
3	P	00003	3	BOTM0M83612	Bank of Tokyo ...	Chennai	611875	ABC and Comp	78001
4	P	00004	4	BOTM0CN3615	Bank of Tokyo ...	Mumbai	615963	XYZ Institute	34500
5	P	00005	6						32636
6	P	00006	7						14000
7	P	00007	A	AXIS5780002	Axis Bank	Neelamangala	865489	Mr Eashwaran	68000

Trailer:

Validation Errors

Row No	Error Description
3	Record: 3 Field: 'Beneficiary Name' is greater than the maximum length : 34.
4	Record: 4 Field: 'Beneficiary Name' is greater than the maximum length : 34.

Convert

Consolidate

Total Records: 10

Errors: 2

Consolidated Records: 7

Figure 136 Mr. Omakase India II Output after consolidation – Now there are 7 unique records

- The total number of records shown in the header is now 7. Also the values for Seq.No. and Transaction Amount have changed accordingly to reflect the new selected criteria.

6.13 GCMS Plus

S/N	Error Message	Cause	Resolution
1	<Field Name> must be alphanumeric.	Settlement Account No, Beneficiary Account No, and Charges Account Number fields do not allow special characters and white spaces. Allow only [0-9, a-z, and A-Z].	Remove non-alphanumeric characters.
2	'Settlement Account No' is not a valid 'Settlement Account No'. Data length is too short to verify the Currency Code.	'Settlement Account No' value length is shorter than 7 characters so that the Tool can't check the currency code portion. (Not applicable to HK and TW)	Check and correct the 'Settlement Account No' value.
3	Settlement Account No' is not a valid 'Settlement Account No'. Currency Code in 'Settlement Account No' is invalid.	Currency code used in 'Settlement Account No' is invalid or not listed in the valid currency codes. [valid currency codes are listed in Master template's Currency field] (Not applicable to HK)	Check the currency code portion in 'Settlement Account No' value.
4	No currency found from Table AccountCcyMapping.	For HK, it is required to setup lookup table AccountCcyMapping through "Import from Excel to DB" function to map Settlement Account Number with settlement account currency.	Import account-currency mapping information to AccountCcyMapping lookup table first.
5	Value Date should be equal to or greater than today and less than 21 calendar days from today's date.	The value date cannot be less than today's date or 21 days greater than today's date.	Use the "Take Value Date" option on the common user screen to change the value date. Or correct the date manually in the source file.
6	<Field Name> must not start or end with a single slash (/).	'Customer Reference' and 'Forward Contract Number' fields do not allow starting with or ending with a single slash (/).	Remove the slash character from the start and end of the value.
7	<Field Name> must not contain double slashes (/).	'Customer Reference', 'Forward Contract Number', 'Intermediary Bank/Branch/Address', 'Beneficiary Bank/Branch/Address', 'Beneficiary Name/Address' fields do not allow double slashes (/).	Remove the double slashes (/) from the field value.
8	<Field Name> contains invalid character.	Apart from 'Option 9', 'Consolidate Field' and temporary fields, all other fields allow only a-z, A-Z, 0-9, and / - ? () , . ' + : space blank values. Remarks: for HK and TW, Intermediary Bank Name, Bank Address and Country fields,	Remove the non permitted characters from the fields' value.

S/N	Error Message	Cause	Resolution
		Beneficiary Bank Name, Bank Address and Bank Country, Beneficiary Name, Address and Country fields also accept "&" and "@" characters and they will be converted to "AND" and "AT" respectively.	
9	'Remittance Amount' should not be zero or negative.	'Remittance Amount' value must be greater than zero.	Check the 'Remittance Amount' value.
10	'Remittance Amount' should not be zero or positive. Please check the payment option selected or there may be invalid data in your source file.	During consolidation, if the user has selected -ve as Payment option, then the total value of each remittance amount cannot be a positive value. The 'Remittance Amount' also cannot be zero.	Check if the payment option selected is correct or if the source file contains invalid data or not.
11	'Remittance Amount' should not be zero or negative. Please check the payment option selected or there may be invalid data in your source file.	During consolidation, if the user has selected +ve as Payment option, then the total value of each remittance amount cannot be a negative value. The 'Remittance Amount' also cannot be zero.	Determine if the payment option selected is wrong or if the source file contains invalid data.
12	'Exchange Method' should be empty for Settlement currency = Remittance currency.	If the settlement account currency is the same as the Currency field, then no Exchange Method should be specified.	Please check the mapping and the translation tab on the common template to determine where the Exchange Method is obtaining its value. For HK users, please also check the AccountCcyMapping table.
13	'Forward Contract Number' should be blank if the currency in 'Settlement Account No' is the same as the transaction currency.	If the settlement account currency is the same as the Currency field, then no Contract Number should be specified.	Please check the mapping and the translation tab on the common template to determine where the Forward Contract Number is obtaining its value.
14	'Forward Contract Number' must not be empty if Exchange Method is CONT.	If the Exchange Method is 'CONT', a Forward Contract Number is expected.	Please check the mapping and the translation tab on the common template to determine where the Forward Contract Number is obtaining its value.
15	'Forward Contract Number' must be empty if Exchange Method is SPOT or empty.	If the Exchange Method is 'SPOT' or empty, no Forward Contract Number should be input.	Please check the mapping and the translation tab on the common template to determine where the Forward Contract Number is obtaining its value.
16	'Exchange Method' must be CONT if Forward Contract Number is not empty.	If a Contract Number is specified and currency code in for Settlement A/C No is different from Currency, then the Exchange method must be 'CONT'.	Please check the mapping and the translation tab on the common template to determine where the Exchange Method or the Contract Number is obtaining its value. For HK users, please also check the AccountCcyMapping table.

S/N	Error Message	Cause	Resolution
17	'Exchange Method' must be SPOT if Forward Contract Number is empty.	If a Contract Number is not specified and currency code for Settlement A/C No is different from Currency, then the Exchange method must be 'SPOT'.	Please check the mapping and the translation tab on the common template to determine where the Exchange Method or the Contract Number is obtaining its value. For HK users, please also check the AccountCcyMapping table.
18	Value of 'Currency' is invalid. Validation to 'Exchange method' and 'Forward Contract Number' cannot be performed.	In case of 'Settlement Account No' and 'Currency' values are invalid; no validation can be done for 'Exchange Method' and 'Forward Contract Number'.	Please check the 'Settlement Account No' and 'Currency' values and correct.
19	'Intermediary Bank/Branch/Address' SWIFT code must be exactly 8 or 11 characters.	If 'Intermediary Bank/Branch/Address' value is SWIFT code, the length must be exactly 8 or 11 characters excluding 'A:' prefix.	Please check the 'Intermediary Bank/Branch/Address'
20	'Intermediary Bank Master Code' must be numeric characters.	'Intermediary Bank Master Code' does not allow alphabet and special characters.	Please check 'Intermediary Bank Master Code' value.
21	'Intermediary Bank Master Code' must exactly 8 characters.	'Intermediary Bank Master Code' value must be exactly 8 characters.	Please check 'Intermediary Bank Master Code' value.
22	'Beneficiary Bank/Branch/Address' SWIFT code must be exactly 8 or 11 characters.	If 'Beneficiary Bank/Branch/Address' value is SWIFT code, the length must be exactly 8 or 11 characters excluding 'A:' prefix.	Please check the 'Beneficiary Bank/Branch/Address'
23	'Beneficiary Bank Master Code' must be numeric characters.	'Beneficiary Bank Master Code' does not allow alphabet and special characters.	Please check 'Beneficiary Bank Master Code' value.
24	'Beneficiary Bank Master Code' must exactly 8 characters.	'Beneficiary Bank Master Code' value must be exactly 8 characters.	Please check 'Beneficiary Bank Master Code' value.
25	[INDONESIA] 'Information to Remitting Bank' cannot contain more than 96 characters.	If Master template used is for Indonesia, then the length of Information to Remitting Bank field must not exceed 96 characters.	If the field has been set as editable, you can manually trim the data, or you can also allow the application to trim the data for you during conversion.
26	[INDONESIA] 'Information to Remitting Bank' cannot contain more than 61 characters when 'Purpose of Remittance' is given.	If 'Purpose of Remittance' is specified then the length of 'Information to Remitting Bank' field must not exceed 61 characters.	If the field has been set as editable, you can manually trim the data, or you can also allow the application to trim the data for you during conversion.
27	'Information to Remitting Bank' cannot contain more than 70 characters when 'Purpose of Remittance' is given.	If 'Purpose of Remittance' is specified and neither 'Option1' nor 'Option 2' is specified; Or if 'Purpose of Remittance' is not specified and either 'Option1' or 'Option 2' is specified; then the length of Information to Remitting Bank field must not exceed 70 characters.	If the field has been set as editable, you can manually trim the data, or you can also allow the application to trim the data for you during conversion.

S/N	Error Message	Cause	Resolution
28	'Information to Remitting Bank' cannot contain more than 35 characters when 'Purpose of Remittance' and 'Option 1' or 'Option 2' are given.	If 'Purpose of Remittance' is specified and either 'Option1' or 'Option 2' is specified; then the length of Information to Remitting Bank field must not exceed 70 characters.	If the field has been set as editable, you can manually trim the data, or you can also allow the application to trim the data for you during conversion.
29	[INDONESIA] 'Bank Charges' must be 'OUR' or 'Applicant' when 'Payment Type/Sector Selection' is 'Book Transfer' or 'Domestic'.	If 'Payment Method' is 'Book Transfer' or 'Domestic', then 'Bank Charges' must be 'OUR' or 'Applicant'.	Please check the 'Payment Type/Sector Selection' value and 'Bank Charges'.
30	'Charges Account Number' should be blank if 'Bank Charge' is 'BEN'.	If the 'Bank Charges' is set as 'BEN', then the 'Charges Account Number' must be blank.	Please check the mapping and the translation tab on the common template to determine the cause of the invalid value.
31	'Beneficiary Account No' must be a valid IBAN Account No when 'IBAN Flag' is 1.	If 'IBAN Flag' is set as '1', then 'Beneficiary Account No' must be a valid IBAN Account Number.	Please check the 'Beneficiary Account No' value.
32	'Option 9' should not include more than two email addresses.	'Option 9' should not include more than 2-email addresses. Separator used between email addresses must be semi-colon (;). If the email separator is comma (","), COMSUITE Conversion Tool will replace it with semicolon (";")	Please check the 'Option 9' field value.
33	'Option 9' must be a valid email address.	'Option 9' field allows only the valid email addresses.	Please check the 'Option 9' field value.
34	'Payment Type/Sector Selection' is not a valid 'Payment Type/Sector Selection'	Only "Book Transfer", "1", "Domestic", "2", "International", "3" are allowed.	Please check the 'Payment Type / Sector Selection' field value.
35	For Payment type is Domestic, currency must be xxx	For HK users, if payment type is domestic, currency must be HKD/USD/CNY. For TW users, if payment type is domestic, currency must be TWD.	Please check the 'Payment Type / Sector Selection' field value and 'Currency' field value.
36	'Beneficiary Name/Address' Bene Country must be input when payment type is 3 or International.	If payment type is '3' or 'International', Beneficiary's Country must be specified.	Please check the 'Payment Type / Sector Selection' field value and 'Bene Country' field value.

Mapping Scenarios for Address Fields

For the following bank fields, Source fields must be mapped to the temporary fields instead of mapping to the actual bank fields as shown below. Whatever mapped to the actual bank field will be overwritten by the System generated value.

Remarks: for HK/TW users, if Beneficiary SWIFT BIC code is specified, it will override system-generated "Beneficiary Bank/Branch/Address" value.

Legend:

- Real bank fields are in **black** colour text.
- Temporary bank fields are in **blue** colour text.
- Fields' values are in **green** colour text.
- Hyphen (-) is used to represent the trailing spaces for better illustration.

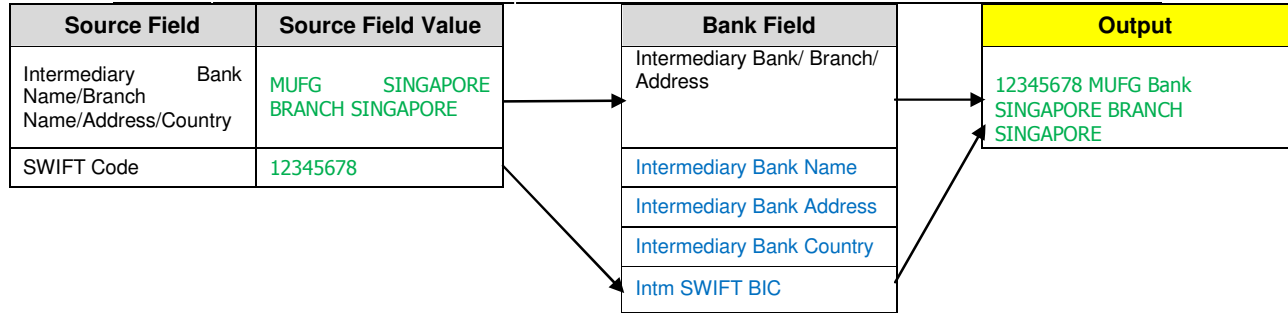
1. Intermediary Bank/Branch/Address Mapping Scenarios

a. Map to real bank field

Intermediary Bank/Branch/Address information in source file is given as one chunk. This information will be mapped to real bank field as a whole. Length validation will be based on total length of the real bank field, i.e. 140 characters.

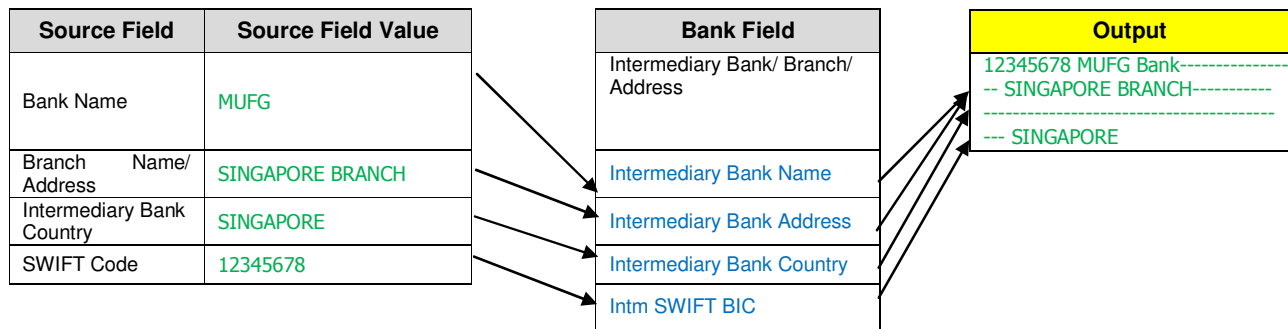
EATBD

Private & Confidential



b. Map to temporary bank fields (pad trailing spaces)

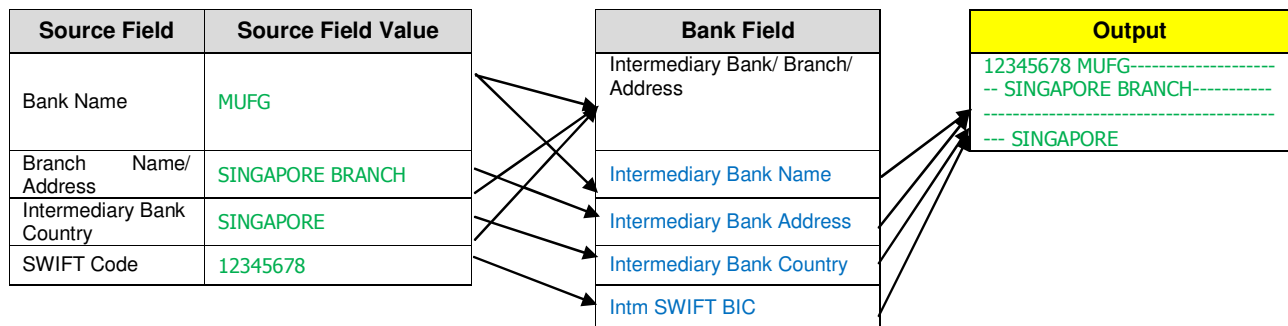
Intermediary Bank/Branch/Address information in source file is separated to individual field. This information will be mapped to respective temporary bank fields. Length validation will be based on validation rule of individual field.



Note: If both SWIFT code and 'Intermediary Bank/ Branch/ Address' values are mapped, COMSUITE Conversion Tool will output as SWIFT+ 'Intermediary Bank/ Branch/ Address' value. Apart from 'Intermediary Bank Country' and 'Intm SWIFT BIC' fields, other fields will be padded with trailing spaces when the data length is less than the specified length.

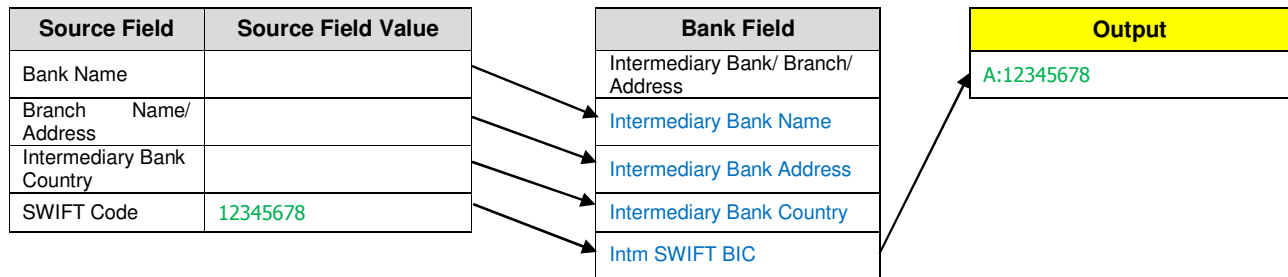
c. Map to both real field and temporary bank fields (pad trailing spaces)

In case of both real and temporary bank fields are mapped, output will be based on temporary bank fields mapping.



Note: Apart from 'Intermediary Bank Country' and 'Intm SWIFT BIC' fields, other fields will be padded with trailing spaces when the data length is less than the specified length.

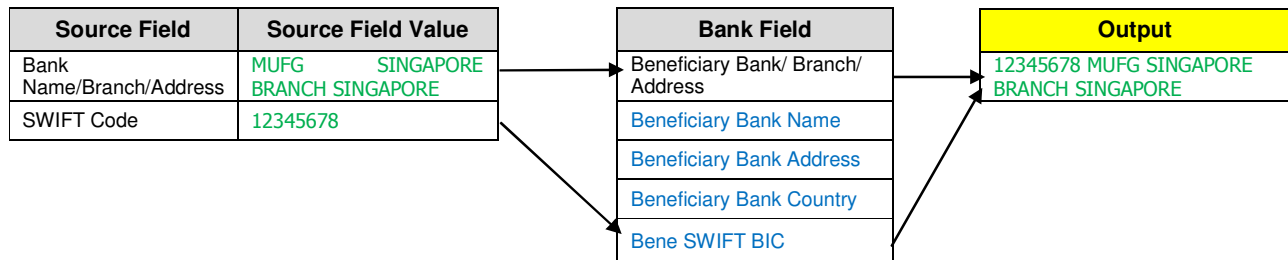
d. Map to temporary bank fields (all fields are empty except SWIFT Code)



2. Beneficiary Bank/Branch/Address Mapping Scenarios

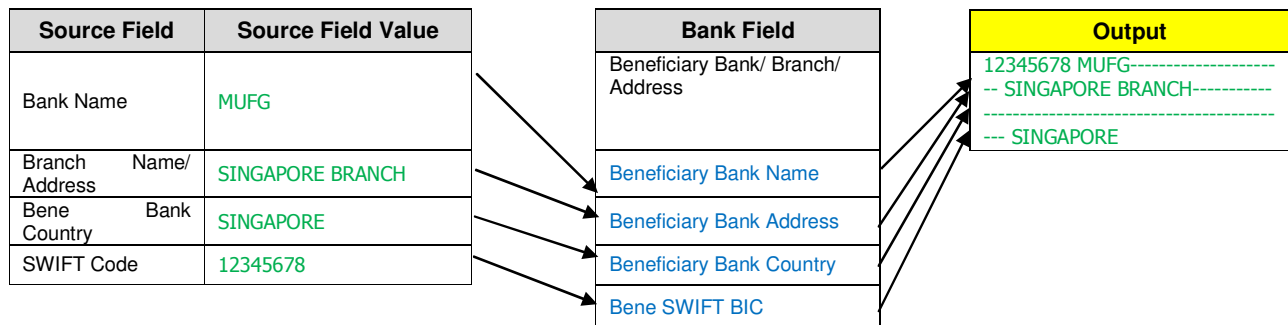
a. Map to real bank field

Beneficiary Bank/Branch/Address information in source file is given as one chunk. This information will be mapped to real bank field as a whole. Length validation will be based on max length of the real bank field, i.e. 140 characters.



b. Map to temporary bank fields (pad trailing spaces)

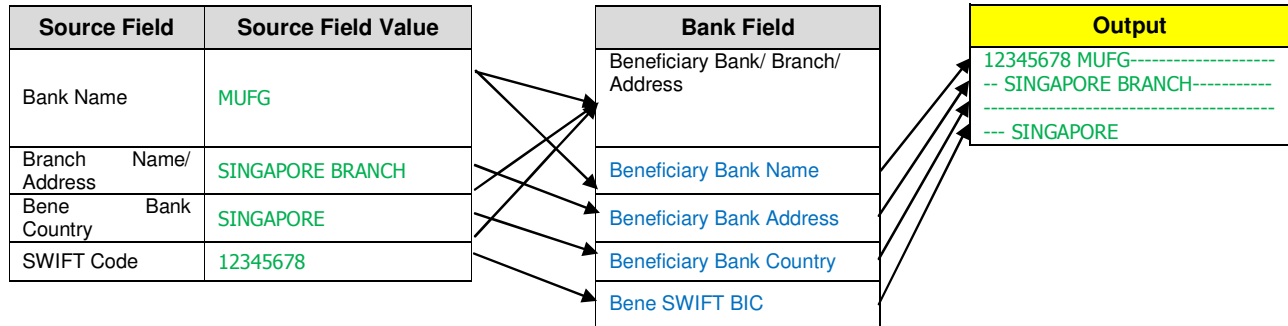
Beneficiary Bank/Branch/Address information in source file is separated to individual field. This information will be mapped to respective temporary bank fields. Length validation will be based on validation rule of individual field.



Note: If both SWIFT code and 'Beneficiary Bank/ Branch/ Address' values are mapped, COMSUITE Conversion Tool will output as SWIFT+ 'Beneficiary Bank/ Branch/ Address' value. Apart from 'Beneficiary Bank Country' and 'Bene SWIFT BIC' fields, other fields will be padded with trailing spaces when the data length is less than the specified length.

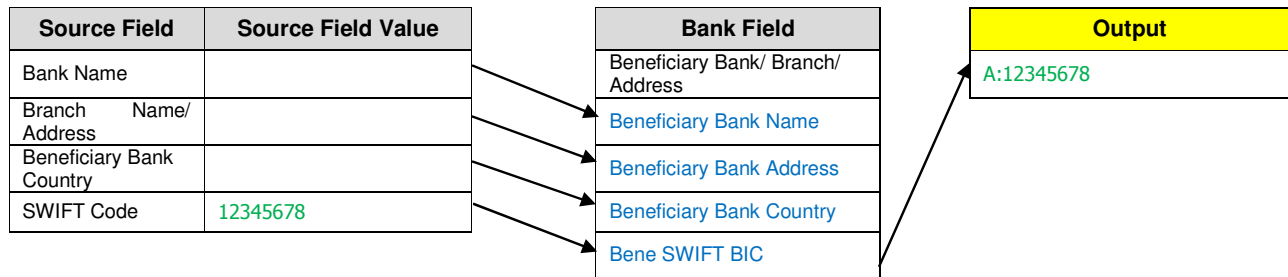
c. Map to both real field and temporary bank fields (pad trailing spaces)

In case of both real and temporary bank fields are mapped, output will be based on temporary bank fields mapping.



Note: Apart from 'Beneficiary Bank Country' and 'Bene SWIFT BIC' fields, other fields will be padded with trailing spaces when the data length is less than the specified length.

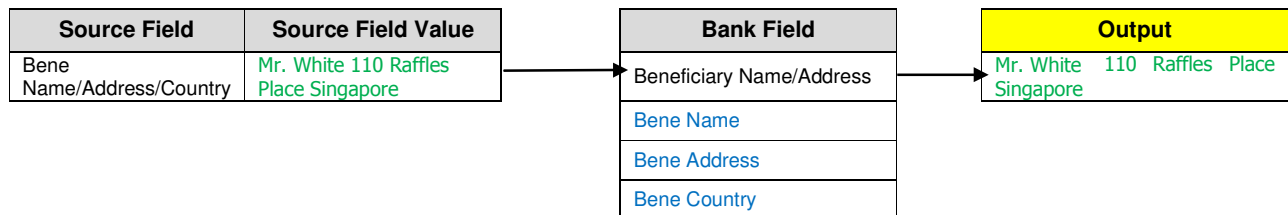
d. Map to temporary bank fields (all fields are empty except SWIFT Code)



3. Beneficiary Name/Address Mapping Scenarios

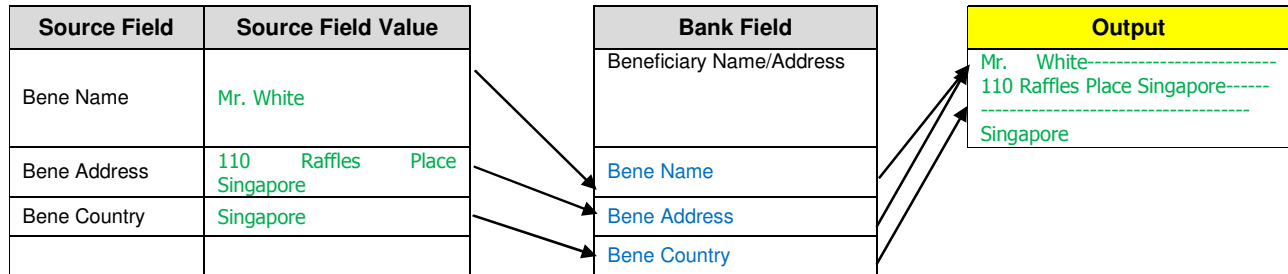
a. Map to real bank field

Beneficiary Name/Address information in source file is given as one chunk. This information will be mapped to real bank field as a whole. Length validation will be based on max length of the real bank field, i.e. 140 characters.



b. Map to temporary bank fields (pad trailing spaces)

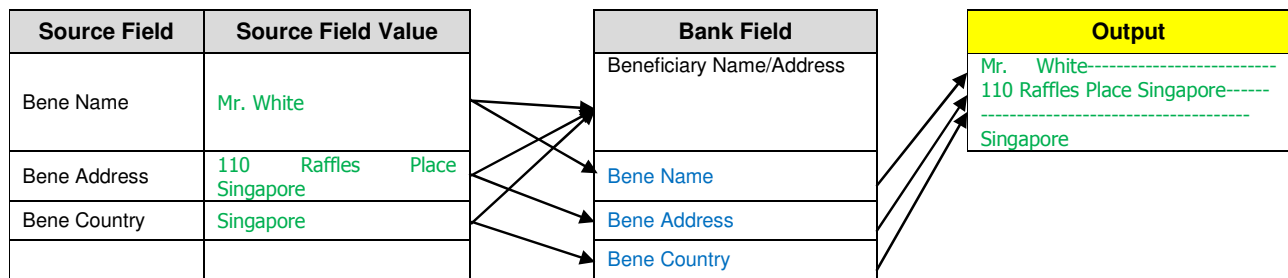
Beneficiary Name/Address information in source file is separated to individual field.
This information will be mapped to respective temporary bank fields. Length validation will be based on validation rule of individual field.



Note: Apart from 'Bene Country' field, other fields will be padded with trailing spaces when the data length is less than the specified length.

c. Map to both real field and temporary bank fields (pad trailing spaces)

In case of both real and temporary bank fields are mapped, output will be based on temporary bank fields mapping.



Note: Apart from 'Bene Country' field, other fields will be padded with trailing spaces when the data length is less than the specified length.

6.14 Auto Debit Import

S/N	Error Message	Cause	Resolution
1	'Group ID' must start with 'D' and followed by 3-digits.	Group ID field value is not formatted as 'start with 'D' and followed by 3-digits'.	If the field has been set as editable, user can modify the data on-screen during preview or manually correct the data in the source file.
2	<Field Name> must be same for all records.	Group ID, Payment Date, Currency, Principal Account Number, Principal Reference, Instruction ID, Instruction Remarks fields' values are not same for all records.	Correct the inconsistent values in the error indicated fields.
3	'Payment Date' cannot be a past date or today's date.	'Payment Date' value is today date or past date in the source file/ preview.	If the field has been set as editable, user can modify the data on-screen during preview or manually correct the data in the source file.
4	'Payment Date' must not be Saturday or Sunday.	'Payment Date' value falls on Saturday or Sunday.	If the field has been set as editable, user can modify the data on-screen during preview or manually correct the data in the source file.
5	'Currency' is not a valid Currency.	Currency code value is not a permitted currency value or invalid currency code.	Ensure the currency code is either 'HKD' or 'CNY'.
6	<Field Name> must be numeric.	'Principal Account Number', 'Bank Number', 'Branch Number', 'Account Number', 'Transaction Amount' fields do not allow alphabet, whitespace and special characters. Allow digits only [0-9].	Remove the unpermitted characters from the value.
7	<Field Name> contains invalid characters.	'Principal Reference', 'Instruction Remarks', 'Counter Party Name', 'Our Reference', 'Transaction Remarks' fields do not allow any characters apart from [A – Z], [a – z], [0 – 9], [/-?().,'+]	Remove the unpermitted characters from the value.
8	<Field Name> must be alphanumeric.	'Instruction ID', 'Identifier', 'Advice Template' fields do not allow special characters and white spaces. Allow only [0-9, a-z, and A-Z].	Remove non-alphanumeric characters.
9	'Instruction ID' must be exactly 3 characters.	'Instruction ID' value has less than or more than 3 characters.	Ensure the 'Instruction ID' value is exactly 3 characters.
10	'Identifier' must be unique.	'Identifier' field has duplicate values in two or more records.	Correct the duplicate values in each record.
11	'Account Number' must not exceed 9-digits when 'Bank Number' is not '047'	'Account Number' data length is more than 9 when 'Bank Number' value is not '047'.	Ensure the number of digits in Account Number should not exceed 9-digits.
12	'Transaction Amount' should not be zero or negative.	'Transaction Amount' value is negative value or zero.	Ensure the amount value is positive.

6.15 Auto Cheque Import

S/N	Error Message	Cause	Resolution
1	'Group ID' must start with 'D' and followed by 3-digits.	Group ID field value is not formatted as 'start with 'D' and followed by 3-digits'.	If the field has been set as editable, user can modify the data on-screen during preview or manually correct the data in the source file.
2	<Field Name> must be same for all records.	Group ID, Payment Date, Currency, Principal Account Number, Principal Reference, Instruction ID, Instruction Remarks fields' values are not same for all records.	Correct the inconsistent values in the error indicated fields.
3	'Payment Date' cannot be a past date or today's date.	'Payment Date' value is today date or past date in the source file/ preview.	If the field has been set as editable, user can modify the data on-screen during preview or manually correct the data in the source file.
4	'Payment Date' must not be Saturday or Sunday.	'Payment Date' value falls on Saturday or Sunday.	If the field has been set as editable, user can modify the data on-screen during preview or manually correct the data in the source file.
5	'Currency' is not a valid Currency.	Currency code value is not a permitted currency value or invalid currency code.	Ensure the currency code is either 'HKD' or 'USD'.
6	<Field Name> must be numeric.	'Principal Account Number', 'Transaction Amount' fields do not allow alphabet, whitespace and special characters. Allow digits only [0-9].	Remove the unpermitted characters from the value.
7	<Field Name> contains invalid characters.	'Principal Reference', 'Instruction Remarks', 'Counter Party Name', 'Our Reference', 'Counter Party Address', 'Transaction Remarks', 'AutoCheque Advice Information' fields do not allow double-quote	Remove the unpermitted characters from the value.
8	<Field Name> must be alphanumeric.	'Instruction ID', 'Identifier', 'Advice Template' fields do not allow special characters and white spaces. Allow only [0-9, a-z, and A-Z].	Remove non-alphanumeric characters.
9	'Instruction ID' must be exactly 3 characters.	'Instruction ID' value has less than or more than 3 characters.	Ensure the 'Instruction ID' value is exactly 3 characters.
10	'Identifier' must be unique.	'Identifier' field has duplicate values in two or more records.	Correct the duplicate values in each record.
11	'Transaction Amount' should not be zero or negative.	'Transaction Amount' value is negative value or zero.	Ensure the amount value is positive.
12	'Delivery Option' is not a valid Delivery Option.	'Delivery Option' value is not a permitted value or invalid option used.	Ensure the Delivery Option is either one of 'BENE' or 'BANK', or 'APPL'.

6.16 Funds Transfer Instruction Import

S/N	Error Message	Cause	Resolution
1	'Value Date' cannot be a past date.	'Value Date' value is less than the today date.	Ensure the date value is not earlier than today's date.
2	'Value Date' must not be Saturday or Sunday.	'Value Date' value falls on Saturday or Sunday.	If the field has been set as editable, user can modify the data on-screen during preview or manually correct the data in the source file.
3	<Field Name> contains invalid characters.	'Transaction Reference', 'Beneficiary', 'Beneficiary Address', 'Beneficiary Account', 'Beneficiary Bank Name', 'Beneficiary Branch', 'Beneficiary Bank Address', 'Contract No', 'Other Banks Charge', 'Orderer', 'Message to Bank', 'Message to Beneficiary', 'Security Group' fields do not allow any characters apart from [A – Z], [a – z], [0 – 9], [/ - ? () . , ' +]	Remove the unpermitted characters from the value.
4	'Currency' is not a valid Currency.	Currency code value is not a permitted currency which is setup in Master template's default value list.	Ensure the currency code is one of the default currency code lists.
5	'Beneficiary Address' is mandatory when 'Funds Transfer Type' is 'Foreign Remittance' or 'Demand Draft'	'Beneficiary Address' is empty or all spaces when 'Funds Transfer Type' value is 'Foreign Remittance' or 'Demand Draft'.	Fill in the valid address to 'Beneficiary Address' field.
6	'Beneficiary Account' is mandatory when 'Funds Transfer Type' is 'Foreign Remittance' or 'CHATS' or 'Book Transfer'	'Beneficiary Account' is empty or all spaces when 'Funds Transfer Type' value is 'Foreign Remittance' or 'CHATS' or 'Book Transfer'.	Fill in the valid account number to 'Beneficiary Account' field.
7	'Beneficiary Account' must not exceed 20-characters when 'Funds Transfer Type' is 'Book Transfer' or 'CHATS'.	'Beneficiary Account' data length is more than 20 when 'Funds Transfer Type' is 'Book Transfer' or 'CHATS'.	Ensure the number of characters in Beneficiary Account should not exceed 20-characters.
8	<Field Name> must be numeric.	'Settlement Amount', 'Beneficiary Account GL', 'Settlement Account', 'Charge Account' fields do not allow alphabet, whitespace and special characters. Allow digits only [0-9].	Remove the unpermitted characters from the value.
9	'Beneficiary Branch' is mandatory when 'Funds Transfer Type' is 'CHATS' or 'Foreign Remittance'	'Beneficiary Branch' is empty or all spaces when 'Funds Transfer Type' value is 'CHATS' or 'Foreign Remittance'.	Fill in the valid bank name to 'Beneficiary Branch' field.
10	'Settlement Account' must	'Settlement Account' value	Correct the data in

	be exactly 10 or 11 digits.	data length is not exactly 11 or 10.	'Settlement Account' to be 10 or 11 digits exactly.
11	'Funds Transfer Type' is not a valid 'Funds Transfer Type'.	'Funds Transfer Type' value is not a permitted value which is setup in Master template's default value list.	Ensure the 'Funds Transfer Type' is one of 'Foreign Remittance', 'CHATS', 'Book Transfer' or 'Demand Draft'.
12	'Exchange Method' is not a valid 'Exchange Method'.	'Exchange Method' value is not a permitted value which is setup in Master template's default value list.	Ensure the 'Exchange Method' is one of 'Spot', 'Contract', 'No Exchange'.
13	'Contract No' is mandatory when 'Exchange Method' is 'Contract'.	'Contract No' value is empty or all spaces when 'Exchange Method' is 'Contract'.	Fill in the valid contract number to 'Contract No' field.
14	'Other Banks' Charge' is not a valid 'Other Banks' Charge'.	'Other Banks' Charge' value is not a permitted value which is setup in Master template's default value list.	Ensure the 'Other Banks' Charge' is either 'Beneficiary's Account' or 'Applicant's Account'.

6.17 CARROT Customer Data

S/N	Error Message	Cause	Resolution
1	'Account No' is mandatory when 'Reconciliation Pattern ID' or 'Alias' is provided	'Account No' field is conditionally mandatory to be mapped/translated if 'Reconciliation Pattern ID' or 'Alias' is provided.	Check the source values.
2	'Currency' is not a valid 'Currency'.	Currency code must be a valid value.	Check the source Currency value.

6.18 CARROT Invoice Data

S/N	Error Message	Cause	Resolution
1	'Invoice Date' is not a valid date.	'Invoice Date' value is not a valid date value with format "DDMMYYYY", "DD/MM/YYYY", "D/M/YYYY", "MM/DD/YYYY" or "YYYY/M/D".	Check the date value and format.
2	'Currency' is not a valid 'Currency'.	Currency code must be a valid value.	Check the source Currency value.
3	'Due Date' is not a valid date.	'Due Date' value is not a valid date value with format "DDMMYYYY", "DD/MM/YYYY", "D/M/YYYY", "MM/DD/YYYY" or "YYYY/M/D".	Check the date value and format.
4	'Amount of Invoice' must be numeric.	Amount value is non-numeric or invalid value.	Check the amount value in source file.
5	'Amount of Invoice' should not be zero or negative.	Amount value is either negative or zero.	Check the amount value in source file.
6	'Amount of Invoice' should not include more than 15 integers.	Amount value exceeded the maximum allowable length for integer part: 15.	Check the amount value (excluding decimal point and values) in source file.
7	'Amount of Invoice' should not include more than 3 decimal places.	Amount value's decimal part exceeded the maximum allowable length: 3.	Check the amount value's decimal part (0.###) in source file.
8	'Amount of Invoice' should not be zero or positive. Please check the payment option selected or there may be invalid data in your source file.	The amount values should not be zero or positive if 'Negative' payment option is chosen during consolidation.	Ensure to match the amount value sign and payment option during the consolidation.
9	'Amount of Invoice' should not be zero or negative. Please check the payment option selected or there may be invalid data in your source file.	The amount values should not be zero or negative if 'Positive' payment option is chosen during consolidation.	Ensure to match the amount value sign and payment option during the consolidation.

Note:

If Currency is provided, COMSUITE Conversion Tool will format the decimal places of the 'Amount of Invoice' field according to the Currency Table below. Otherwise, COMSUITE Conversion Tool will output the 'Amount of Invoice' as it is formatted the source file.

通貨コード	通貨名称	補助桁数
AED	UAE Dirham	2
ARS	Argentine Peso	2
AUD	Australian Dollar	2
BHD	Bahraini Dinar	3
BRL	Brazilian Real	2
CAD	Canadian Dollar	2
CHF	Swiss Franc	2
CLP	Chilean Peso	0
CNY	Yuan Renminbi	2
COB	Colombian Peso	2
CZK	Czech Koruna	2
DKK	Danish Krone	2
EUR	Euro	2
GBP	Pound Sterling	2
HKD	Hong Kong Dollar	2

通貨コード	通貨名称	補助桁数
HUF	Forint	2
IDR	Rupiah	2
INR	Indian Rupee	2
ISK	Iceland Krona	2
JPY	Yen	0
KRW	Won	0
KWD	Kuwaiti Dinar	3
MAD	Moroccan Dirham	2
MQP	Pataca	2
MXN	Mexican Peso	2
MYR	Malaysian Ringgit	2
NGN	Naira	2
NOK	Norwegian Krone	2
NZD	New Zealand Dollar	2
OMR	Rial Omani	3
PEN	Nuevo Sol	2
PHP	Philippine Peso	2
PKR	Pakistan Rupee	2
PLN	Zloty	2
RON	Leu	2
RUB	Russian Ruble	2
SAR	Saudi Riyal	2
SEK	Swedish Krona	2
SGD	Singapore Dollar	2
THB	Baht	2
TND	Tunisian Dinar	3
TRY	Turkish Lira	2
TWD	New Taiwan Dollar	0
USD	US Dollar	2
VND	Dong	0
ZAR	Rand	2

6.19 FPS ACMS

S/N	Error Message	Cause	Resolution
1	'Notification Details' is greater than the maximum length : 5000.	The length of 'Notification Details' is larger than 5000 characters	The length of 'Notification Details' must lower or equal to 5000 characters
2	'Notification Details' must not exceed 5000 lines of 80 characters.	The length of 'Notification Details' of one line is larger than 80 characters	The length of 'Notification Details' of each line must lower or equal to 80 characters

6.20 Auto Cheque ACMS

S/N	Error Message	Cause	Resolution
1	'Group ID' must start with 'D' and followed by 3-digits.	Group ID field value is not formatted as 'start with 'D' and followed by 3-digits'.	If the field has been set as editable, user can modify the data on-screen during preview or manually correct the data in the source file.
2	<Field Name> must be same for all records.	Group ID, Payment Date, Currency, Principal Account Number, Principal Reference, Instruction ID, Instruction Remarks fields' values are not same for all records.	Correct the inconsistent values in the error indicated fields.
3	'Payment Date' cannot be a past date or today's date.	'Payment Date' value is today date or past date in the source file/ preview.	If the field has been set as editable, user can modify the data on-screen during preview or manually correct the data in the source file.
4	'Payment Date' must not be Saturday or Sunday.	'Payment Date' value falls on Saturday or Sunday.	If the field has been set as editable, user can modify the data on-screen during preview or manually correct the data in the source file.
5	'Currency' is not a valid Currency.	Currency code value is not a permitted currency value or invalid currency code.	Ensure the currency code is either 'HKD' or 'USD'.
6	<Field Name> must be numeric.	'Principal Account Number', 'Transaction Amount' fields do not allow alphabet, whitespace and special characters. Allow digits only [0-9].	Remove the unpermitted characters from the value.
7	<Field Name> contains invalid characters.	'Principal Reference', 'Instruction Remarks', 'Counter Party Name', 'Our Reference', 'Counter Party Address', 'Transaction Remarks', 'AutoCheque Advice Information' fields do not allow double-quote	Remove the unpermitted characters from the value.
8	<Field Name> must be alphanumeric.	'Instruction ID', 'Identifier', 'Advice Template' fields do not allow special characters and white spaces. Allow only [0-9, a-z, and A-Z].	Remove non-alphanumeric characters.
9	'Instruction ID' must be exactly 3 characters.	'Instruction ID' value has less than or more than 3 characters.	Ensure the 'Instruction ID' value is exactly 3 characters.
10	'Identifier' must be unique.	'Identifier' field has duplicate values in two or more records.	Correct the duplicate values in each record.
11	'Transaction Amount' should not be zero or negative.	'Transaction Amount' value is negative value or zero.	Ensure the amount value is positive.
12	'Delivery Option' is not a valid Delivery Option.	'Delivery Option' value is not a permitted value or invalid option used.	Ensure the Delivery Option is either one of 'BENE' or 'BANK', or 'APPL'.
13	'Counter Party Address' is greater than the maximum length : 243.	The length of 'Counter Party Address' is larger than 243 characters	The length of 'Counter Party Address' must lower or equal to 240 characters
14	'Counter Party Address' must not exceed 4 lines of 60 characters.	The length of 'Counter Party Address' of one line is larger than 60 characters	The length of 'Counter Party Address' of each line must lower or equal to 60
15	'Transaction Remarks' is greater than the maximum length : 140.	The length of 'Transaction remarks' is larger than 140 characters	The length of 'Counter Party Address' must lower or equal to 140 characters

16	'Transaction Remarks' must not exceed 2 lines of 70 characters.	The length of 'Transaction remarks' of one line is larger than 70 characters	The length of 'Transaction remarks' of each line must lower or equal to 70
17	'Autocheque advice information' is greater than the maximum length : 2000.	The length of 'Autocheque advice information' is larger than 2000 characters	The length of 'Autocheque advice information' must lower or equal to 5000
18	'Autocheque advice information' must not exceed 25 lines of 80 characters.	The length of 'Autocheque advice information' of one line is larger than 80 characters	The length of 'Autocheque advice information' of each line must lower or equal to

6.21 Fund Transfer Instruction ACMS

1	'Value Date' cannot be a past date.	'Value Date' value is less than the today date.	Ensure the date value is not earlier than today's date.
2	'Value Date' must not be Saturday or Sunday.	'Value Date' value falls on Saturday or Sunday.	If the field has been set as editable, user can modify the data on-screen during preview or manually correct the data in
3	<Field Name> contains invalid characters.	'Transaction Reference', 'Beneficiary', 'Beneficiary Address', 'Beneficiary Account', 'Beneficiary Bank	Remove the unpermitted characters from the value.
4	'Currency' is not a valid Currency.	Currency code value is not a permitted currency which is setup in Master template's default value list.	Ensure the currency code is one of the default currency code lists.
5	'Beneficiary Address' is mandatory when 'Funds Transfer Type' is 'Foreign Remittance' or 'Demand Draft'	'Beneficiary Address' is empty or all spaces when 'Funds Transfer Type' value is 'Foreign Remittance' or 'Demand Draft'.	Fill in the valid address to 'Beneficiary Address' field.
6	'Beneficiary Account' is mandatory when 'Funds Transfer Type' is 'Foreign Remittance' or 'CHATS' or 'Book Transfer'	'Beneficiary Account' is empty or all spaces when 'Funds Transfer Type' value is 'Foreign Remittance' or 'CHATS' or 'Book Transfer'.	Fill in the valid account number to 'Beneficiary Account' field.
7	'Beneficiary Account' must not exceed 20-characters when 'Funds Transfer Type' is 'Book Transfer' or 'CHATS'.	'Beneficiary Account' data length is more than 20 when 'Funds Transfer Type' is 'Book Transfer' or 'CHATS'.	Ensure the number of characters in Beneficiary Account should not exceed 20-characters.
8	<Field Name> must be numeric.	'Settlement Amount', 'Beneficiary Account GL', 'Settlement Account', 'Charge Account' fields do not allow alphabet, whitespace and special characters. Allow	Remove the unpermitted characters from the value.
9	'Beneficiary Branch' is mandatory when 'Funds Transfer Type' is 'CHATS' or 'Foreign Remittance'	'Beneficiary Branch' is empty or all spaces when 'Funds Transfer Type' value is 'CHATS' or 'Foreign Remittance'.	Fill in the valid bank name to 'Beneficiary Branch' field.
10	'Settlement Account' must be exactly 10 or 11 digits.	'Settlement Account' value data length is not exactly 11 or 10.	Correct the data in 'Settlement Account' to be 10 or 11 digits exactly.
11	'Funds Transfer Type' is not a valid 'Funds Transfer Type'.	'Funds Transfer Type' value is not a permitted value which is setup in Master template's default value list.	Ensure the 'Funds Transfer Type' is one of 'Foreign Remittance', 'CHATS', 'Book Transfer' or 'Demand Draft'.
12	'Exchange Method' is not a valid 'Exchange Method'.	'Exchange Method' value is not a permitted value which is setup in Master template's default value list.	Ensure the 'Exchange Method' is one of 'Spot', 'Contract', 'No Exchange'.
13	'Contract No' is mandatory when 'Exchange Method' is 'Contract'	'Contract No' value is empty or all spaces when 'Exchange Method' is 'Contract'.	Fill in the valid contract number to 'Contract No' field.

14	'Other Banks' Charge' is not a valid 'Other Banks' Charge'.	'Other Banks' Charge' value is not a permitted value which is setup in Master template's default value list.	Ensure the 'Other Banks' Charge' is either 'Beneficiary's Account' or 'Applicant's Account'.
15	'Beneficiary' is greater than the maximum length : 71.	The length of 'Beneficiary' is larger than 71 characters	The length of 'Beneficiary' must lower or equal to 71 characters
16	'Beneficiary' must not exceed 2 lines of 35 characters.	The length of 'Beneficiary' of one line is larger than 35 characters	The length 'Beneficiary' of each line must lower or equal to 35 characters
17	'Beneficiary Address' is greater than the maximum length : 68.	The length of 'Beneficiary Address' is larger than 68 characters	The length of 'Beneficiary Address' must lower or equal to 68 characters
18	'Beneficiary Address' must not exceed 1st lines of 35 characters and 2nd lines of 32 characters.	The length of 'Beneficiary Address' of first line is larger than 35 characters or second line is larger than 32 characters	The length of 'Beneficiary Address' of first line must lower or equal to 35 characters and second line must lower or equal to 32 characters
19	'Beneficiary Bank Address' is greater than the maximum length : 68.	The length of 'Beneficiary Bank Address' is larger than 68 characters	The length of 'Beneficiary Bank Address' must lower or equal to 68 characters
20	'Beneficiary Bank Address' must not exceed 1st lines of 35 characters and 2nd lines of 32 characters.	The length of 'Beneficiary Bank Address' of first line is larger than 35 characters or second line is larger than 32 characters	The length of 'Beneficiary Bank Address' of first line must lower or equal to 35 characters and second line must lower or equal to 32 characters
21	'Message to Bank' is greater than the maximum length : 70.	The length of 'Message to Bank' is larger than 70 characters	The length of 'Message to Bank' must lower or equal to 70 characters
22	'Message to Bank' must not exceed 2 lines of 35 characters.	The length of 'Message to Bank' of one line is larger than 35 characters	The length 'Message to Bank' of each line must lower or equal to 35
23	'Message to Beneficiary' is greater than the maximum length : 140.	The length of 'Message to Beneficiary' is larger than 140 characters	The length of 'Message to Beneficiary' must lower or equal to 140 characters
24	'Message to Beneficiary' must not exceed 4 lines of 35 characters.	The length of 'Message to Beneficiary' of one line is larger than 35 characters	The length 'Message to Beneficiary' of each line must lower or equal to 35

7. Configuring MAGIC.XML for Quick Conversion

The MAGIC.XML file is located in the <INSTALLATION_FOLDER>/Default Folder. The MAGIC.XML file allows the common user to specify the common tasks used for converting a source file to the required output file format. A common user can specify among others the values for the Output Template, the Value Date, Group By fields for consolidation of data and also the Reference fields. The file also allows a common user to directly log into the common user screen without having to provide the username and password.

It is important to note the followings while configuring the MAGIC.XML file:

1. It is recommended that the order of the Key Fields in the MAGIC.XML file be maintained as given in the sample file provided during installation.
2. All Key Fields, whether mentioned as Mandatory (M) or Optional (O) must be present in the MAGIC.XML file. In this case

M – A value is expected for the key field.

O – A value need not be present for the key field.

N/A – The key field should not be present for the format.

C – Conditional

* - Please refer to individual common template configuration to fill key values for these key fields.

Above of these key fields and settings Quick Conversion menu should be enabled by these statements in MAGIC.XML:

<LoginMode>**false**</LoginMode>, to enable Quick Conversion menu

<LoginMode>**true**</LoginMode>, to disable Quick Conversion menu

S/N	Key Fields	Key Value	Text	Excel	SWIFT	Remarks
1	SourceFormat	TXT / EXCEL / SWIFT	M	M	M	Defines the type of input source.
2	TemplateName	*	M	M	M	User specified name that will be displayed on one of the six buttons.
3	CommonTemplateName	*	M	M	M	The Common Template Name.
4	SourceFileName	User defined	M	M	M	Full path to the source file including the extension.
5	SourceWorkSheet	*	N/A	M	N/A	If the input source is an excel file, then specify the Worksheet.
6	SaveLocation	User defined	O	O	O	Location where the converted output file must be saved. If this value is left blank, then the output file will be saved to the default output location.
7	DefinitionFile	User defined	C	O	O	This is mandatory if the source file is unstructured and definition file is created. Full path to the Definition file including the extension.
8	ValueDateCheck	true / false	M	M	M	Specifying "true" will override the value date in the source file and take the current system date.

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9	ValueDate	Numeric value >= 0	C	C	C	To specify the number of days after the current system date. A valid value must be specified if ValueDateCheck has been specified as "true". 0 represents current system date and > 0 represents current system date + days. If the derived value date falls on Saturday or Sunday, then the value date taken will be the following Monday.
10	OutputFileName	User defined	O	O	O	Specify a name for the converted output format file. If this is left blank then the default filename will be generated. If the file already exists, then the file will be over-written with the newly generated file.
11	TrimData	true / false	M	M	M	If the value of TrimData is specified as "true", and if the only errors present are data length errors, then COMSUIE Conversion Tool will ignore those errors and convert the data by trimming off the excess data. If the value is specified as "false", then the Quick conversion processing will stop at the output screen. The common user will then have to manually correct the errors or let the application trim it automatically.
12	RemoveRowsFromEnd	Numeric Value >= 0	M	N/A	N/A	For text input source files, represents the no. of rows from the end of the file that must not be converted.
13	EliminateChar	User defined	O	N/A	N/A	For text input source files, specify the characters that must be eliminated from the converted file.
14	TransactionEndsRow	Numeric Value > 0	N/A	O	N/A	For an excel source file, specify how many rows of data must be converted. If no value is specified, the entire excel sheet is converted.
115	ConsolidateData	true / false	M	M	M	Specify if the output data must be consolidated based on certain criteria.
16	ConsolidateGroupFields	Bank Fields Name	C	C	C	Specify the output bank fields that will form the basis for consolidation. Separate each field by a comma.
17	ConsolidateRefAppend	User defined	O	O	O	Specify the Reference fields. As per consolidation, data in these fields are appended to their original values. There must be a one-to-one correspondence between the values in the ConsolidateRefAppend and ConsolidateRefField. Since comma is used as the delimiter to separate the fields, comma cannot be used as part of the data.

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18	ConsolidateRefField	User defined	O	O	O	Specify the Reference bank fields. There must be a one-to-one correspondence between the values in the ConsolidateRefAppend and ConsolidateRefField.
19	ConsolidationPaymentMode	+ / -	O	O	O	Specify + for positive as payment amount. Specify – for negative as payment amount.
20	ConsolidationAmount	true / false	O	O	O	Applicable only for iRTMS format to indicate whether the Remittance amount must be summed up during consolidation or not. Specify “true” to sum up Remittance amount and “false” to not sum up the Remittance amount.

Note: the commands and values are case-sensitive.

Example of MAGIC.XML Quick Conversion Setup

```
<Setup1>
  <TemplateName>PIF to iRTMS RM</TemplateName>
  <CommonTemplateName>iRTMS Remittance Conversion</CommonTemplateName>
  <SourceFormat>TXT</SourceFormat>
  <SourceWorkSheet> </SourceWorkSheet>
  <SourceFileName>C:\BTMU\BTMU-MAGIC\Sample Source\PIFDusd.txt</SourceFileName>
  <SaveLocation>C:\BTMU\BTMU-MAGIC\Convert Common</SaveLocation>
  <DefinitionFile> </DefinitionFile>
  <ValueDateCheck>>false</ValueDateCheck>
  <ValueDate>0</ValueDate>
  <OutputFileName>iRTMS-USD</OutputFileName>
  <TrimData>>true</TrimData>
  <EliminateChar> </EliminateChar>
  <TransactionEndsRow>0</TransactionEndsRow>
  <RemoveRowsFromEnd>0</RemoveRowsFromEnd>
  <ConsolidateData>>false</ConsolidateData>
  <ConsolidateGroupFields>Beneficiary Account No.,Value Date,CurrencyBeneficiary Bank</ConsolidateGroupFields>
  <ConsolidateRefAppend> </ConsolidateRefAppend>
  <ConsolidateRefField>Transaction Advice</ConsolidateRefField>
  <ConsolidationPaymentMode>+</ConsolidationPaymentMode>
  <ConsolidationAmount>>true</ConsolidationAmount>
</Setup1>
```

Figure 137 Example of a Quick Conversion configured for a **Text** input source

```
<Setup2>
<TemplateName>iRTMS Excel CI </TemplateName>
<CommonTemplateName>iRTMS Excel CI </CommonTemplateName>
<SourceFormat> EXCEL</SourceFormat>
<SourceWorkSheet>Cheque Sample Advice </SourceWorkSheet>
<SourceFileName>C:\BTMU\BTMU-MAGIC\Sample Source\iRTMS Cheque Sample.xls </SourceFileName>
<SaveLocation>C:\BTMU\BTMU-MAGIC\Converted Common\ </SaveLocation>
<ValueDateCheck>true</ValueDateCheck>
<ValueDate>0</ValueDate>
<OutputFileName> </OutputFileName>
<TrimData>true</TrimData>
<EliminateChar> </EliminateChar>
<TransactionEndsRow>0</TransactionEndsRow>
<RemoveRowsFromEnd>0</RemoveRowsFromEnd>
<ConsolidateData>false</ConsolidateData>
<ConsolidateGroupFields>Account No.,Value Date </ConsolidateGroupFields>
<ConsolidateRefAppend>Ref:,Notes </ConsolidateRefAppend>
<ConsolidateRefField>Customer Reference, Beneficiary Attention </ConsolidateRefField>
<ConsolidationPaymentMode>+</ConsolidationPaymentMode>
<ConsolidationAmount>true</ConsolidationAmount>
</Setup2>
```

Figure 138 Example of a Quick Conversion configured for an **Excel** input source

```
<Setup3>
<TemplateName>iRTMS SWIFT</TemplateName>
<CommonTemplateName>iRTMS SWIFT</CommonTemplateName>
<SourceFormat>SWIFT</SourceFormat>
<SourceWorkSheet> </SourceWorkSheet>
<SourceFileName>C:\BTMU\BTMU-MAGIC\Sample Source\SWIFT-USD.txt</SourceFileName>
<SaveLocation>C:\BTMU\BTMU-MAGIC\Convert SWIFT</SaveLocation>
<DefinitionFile> </DefinitionFile>
<ValueDateCheck>true</ValueDateCheck>
<ValueDate>0</ValueDate>
<OutputFileName> </OutputFileName>
<TrimData>false</TrimData>
<EliminateChar> </EliminateChar>
<TransactionEndsRow>0</TransactionEndsRow>
<RemoveRowsFromEnd>0</RemoveRowsFromEnd>
<ConsolidateData>false</ConsolidateData>
<ConsolidateGroupFields>Account No.,Value Date</ConsolidateGroupFields>
<ConsolidateRefAppend>Customer Reference</ConsolidateRefAppend>
<ConsolidateRefField>Transaction Advice</ConsolidateRefField>
<ConsolidationPaymentMode>+</ConsolidationPaymentMode>
<ConsolidationAmount>true</ConsolidationAmount>
</Setup3>
```

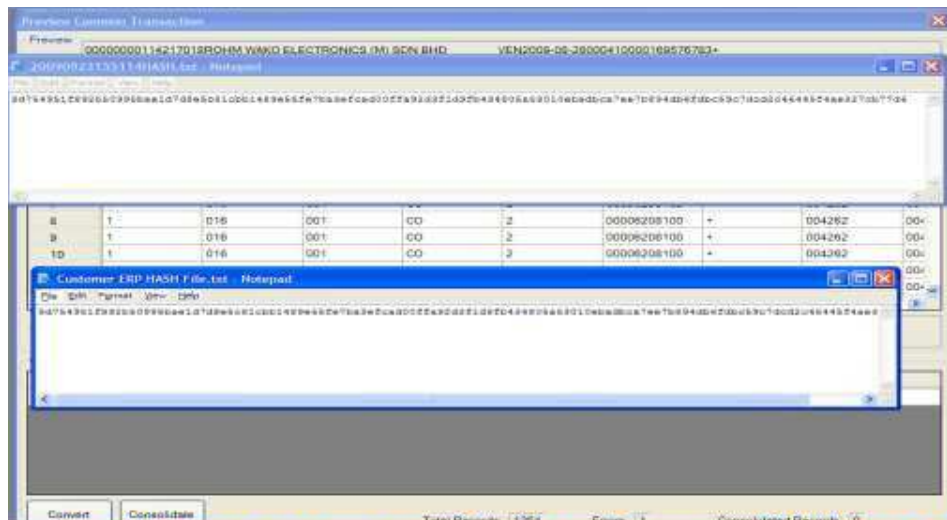
Figure 139 Example of a Quick Conversion configured for a **SWIFT** input source

8. GCMS Hashing

COMSUIE Conversion Tool hashing can be Enabled/Disabled in the COMSUIE Conversion Tool System Configuration file (independent from GCMS – Money Transfer function). By default hashing is disabled.

During Quick Conversion or Manual Conversion (before convert, please see figure below).

- A Popup Window will display the hash value of the customer source file (if hashing is enabled, hash value will be generated by COMSUIE Conversion Tool when it reads the source file)
- Common User will compare the hash value of the source file from COMSUIE Conversion Tool and hash value from their ERP system from where the source file is generated.
- If hashing does not match, customer can detect incorrect handling of the source file, so that they can choose to abort the operation or take other security measures.
- If hashing matches, customer can proceed with file conversion.



- Upon completion of file conversion, a hash file will be created and stored in the same folder as the final output file. The hash file will have the same filename as the output file with the “HASH” suffix. For example:

20090923155114.txt
20090923155114HASH.txt

- Customers will visually compare the hash value of the output file generated by COMSUIE Conversion Tool with the hash value they see on the GCMS Plus Activity Log screen, after they have uploaded the output file into GCMS Plus.

Note: For Excel file, if the file is re-open after it has been hashed, subsequent hashing on the same file will produce different result. The reason is that there will be some byte size change to the Excel file even though there is no update or saving done to the file.
