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# MD.050 APPLICATION EXTENSIONS FUNCTIONAL DESIGN

**ROSE PHARMACY, INCORPORATED**

## Metrobank Online Solution Bank File

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## Functional Design

The MD050 document describes the functionality required to satisfy a specific business requirement and identifies the individual components that make up the customized report. Additionally, the MD050 document provides the details required to build and implement the customization.

This document will address the following:

- an overview of the business requirement and underlying business process the customization is intended to support;
- a description of required data entry forms and reports;
- a description of the business function the custom program must support; and
- a description of how the functionality is to be implemented.

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## Basic Business Needs

The interface program will be able to address the creation of a new program which auto-generates a Bank File for all MBTC payments created for the day. The generated bank file must be in accordance with Metrobank Business Online Solution (MBOS) file format.

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## Major Features

1. The template is to be generated in “.TXT” format using Pipeline “|” as delimiter.
2. MBOS flat file is to be extracted with the file naming convention:

**RPMBTC20220801105715002**

Wherein:

RP+MBTC+Year+Month+Day+Seconds+Milisecond+Sequence

\***Sequence** refers to the number of flat files generated per day. The program will reset it daily.

3. The generated file must be in accordance with the MBOS file lay-out. This file will be transferred to two directories (Data and Archive folders) wherein RPI will have an access to the extracted file from Oracle. (See page 11)
4. RPI can generate the Bank file through the following:
  - a. Manually – all MBTC payments (Bank Account used in Payment is “MBTC SA 0413041512653”) in which the “Mode of Payment” DFF in Payment Document is “MBOS-Manual”.
  - b. Auto-schedule – all MBTC payments (Bank Account used in Payment is “MBTC SA 0413041512653”) in which the “Mode of Payment” DFF in Payment Document is “MBOS-Automatic”.

Time to Generate the Bank File	Scope
Every 4:00 PM daily	4:01 PM the other day until 4:00 PM on the same day

5. Stamp date and time in the Check Write Date Run field (DFF in Payments workbench header) on all payments generated in MBOS bank file, either through manual or auto-schedule.

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## Business Rules and Conditions

1. Exclude **ante-dated** payments (**back-dated payments**). For example, if Check Run Date is dated Jan. 2, 2022, only include payments that are dated Jan. 1, 2022 on or after 4:01 PM. Payments dated before Jan. 1, 2022 4:00 PM must not be included even if created on or after Jan. 1, 2022 4:01 PM. Check date must be linked to "Maturity Date", if maturity date is none, then it is linked to "Payment Date".
2. Exclude payments with status "**VOIDED**".
3. For auto-schedule, only generate a Bank file for all payment instructions where Payment Document used is tagged as "**MBOS-Automatic**" as the Mode of Payment (DFF) and the bank account used is "**MBTC SA 0413041512653**".
4. Only include payment instructions wherein the Check Write Date Run DFF is **NULL** in the Payment workbench.
5. Exclude payments where payment amount is "**ZERO**".
6. Only include payments with payment status "**ISSUED**" and "**NEGOTIABLE**".
7. The Payee must have one active contact directory and the "**ALTERNATE NAME** or **DEPARTMENT**" field in the Supplier Master > Contact Directory is assigned as "**MBOS**". In the event that there will be more than 1 contact directories that are assigned as "**MBOS**" in the Alternate Name field, the payment must still be included in the flat file but only select 1 email address maintained in the contact directory. Select the 1st email address from the list.
8. "**Payee**" refers to the **Beneficiary Name** maintained in the Supplier Master. Use the Payee that is tagged in the Payment Header DFF Field Name "PAYEE". If Payee is BLANK, then use the Beneficiary Name details of the Payment workbench > Trading Partner. This applies to all fields requiring Payee name details.
9. If Beneficiary Name is BLANK, either from Trading Partner or Payee which was tagged in the Payment Header DFF field, then this payment will not be generated and the system shall provide a log why there was a payment rejection.
10. All required fields must be supplemented. In the event that there are fields that are not supplemented, the program should not generate a flat file and should provide an error log.
11. The program should create Return Logs for each rejected payment instruction and indicate the cause of rejection.

## Assumptions

1. The following fields must be updated in the Supplier master (Organization) as this will be used in the file. For the details of the Descriptive Flexfield, please refer to MBOS Descriptive Flexfield on page 9.
  - a. Beneficiary Name
  - b. Payee Classification
2. The following fields must be updated in the Bank Account Payment Document as this will be used in the bank file. For the details of the Descriptive Flexfield, please refer to MBOS Descriptive Flexfield on page 9.
  - a. Mode of Payment
  - b. Type of Payment
  - c. Check Type
  - d. Printing Mode
  - e. Disbursement Mode
  - f. Releasing Branch/Delivery Address Code
  - g. Claimant
  - h. Authorized Representative

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# Functional Design

## Report Overview

Report Name: **RPI MBOS Interface Program**

Report Title: **RPI MBOS Interface Program**

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## Report Parameter

### Description

The report requires the following Parameters:

<b>1. Bank Account</b>	<b>(Required)</b>
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Default to "MBTC SA 0413041512653" bank account.

<b>2. Check Voucher Number</b>	<b>(Optional)</b>
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To only display the List of Values of Payment Documents under MBTC SA 0413041512653, regardless of Mode of Payment, MBOS-Manual, MBOS-Automatic or BLANK.

<b>3. Check Date</b>	<b>(Required)</b>
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This will be linked to the "Maturity Date" or "Payment Date" if Maturity Date is blank.

## MBOS Flatfile

No	Column Name	Description	Data Type	Max Field Length	Oracle Mapping & Conditions	Req?
<b>Header</b>						
1.	Constant	CC	Varchar	2	Descriptive Flexfield "Type of Payment" in Payment Document. Set CC as the default value of the field.	Yes
2.	Account Number	13-digit Metrobank Account	Number	15	Payment Workbench > <b>Bank Account Number</b>	Yes
3.	Total Count	999999999999999	Number	15	Program computation	Yes
4.	Total Amount	999999999999.99 (No comma separator)	Amount	15 including 2 decimal places	Program computation	Yes
5.	Batch Number		Number	50	Same with the filename of the flatfile to be generated	Yes
<b>Detail</b>						
1.	Constant	D	Varchar	1	Fixed value "D"	Yes
2.	Printing Mode	Input 1 if Client Printing Input 0 if Branch Printing	Number	1	Descriptive Flexfield "Printing Mode" in Payment Document. Default value set to "1".	Yes
3.	Check Amount	99999999999.99 (No comma separator)	Amount	15 including 2 decimal places	Payment Workbench > <b>Payment Amount</b>	Yes
4.	Crossed Check	Input 1 if Crossed Check Input 0 if Uncrossed Check	Number	1	Descriptive Flexfield "Check Type" in Payment Document. Set "1" as default value.	Yes
5.	Check Date	MM/DD/YYYY	Date	10	Payment Workbench > <b>Maturity Date</b> (Default) <b>or Payment Date</b> (If Maturity Date is blank)	Yes
6.	Voucher No	Document No	Alphanumeric	15	Payment Workbench > <b>Voucher Number</b>	No
7.	Payee Classification	Input "0" for Individual and "1" for Corporation	Number	1	Link to Supplier Master > <b>Payee Classification (DFF)</b> .  Payee Classification of the Payee tagged in the DFF "Payee" under Payment Information table. If blank, then use the details tagged in the Trading Partner in the Payment Workbench.	Yes
8.	Payee Code	Input	Alphanumeric	50	Link to Supplier Master	Yes

		Payee/Contact Code of the Payee			> <b>Supplier Number.</b> Supplier Number of the Payee tagged in the DFF "Payee" under Payment Information table. If blank, then use the details tagged in the Supplier Number in the Payment Workbench.	
9.	Payee Name	Format is XXXXXXXXXX	Alphanumeric	255	If Payee Classification is "1".  Use the Beneficiary Name details of the Payee tagged in the Payment workbench DFF. If Payee is BLANK, then use the Beneficiary Name details of the Payment workbench > Trading Partner.	Yes
10.	First Name	First Name of Individual Payee. Mandatory if user input "0" in Is Individual or Corporation field	Alphanumeric	140	If Payee Classification is "0". This is the value after the First Comma. Ex. Reyes, John, Garcia. The Value is "John" which is after the first comma.  Use the Beneficiary Name details of the Payee tagged in the Payment workbench DFF. If Payee is BLANK, then use the Beneficiary Name details of the Payment workbench > Trading Partner.	Yes
11.	Middle Name	Middle Name of Individual Payee. Mandatory if user input "0" in Is Individual or Corporation field	Alphanumeric	140	If Payee Classification is "0". This is the value after the Second Comma. Ex. Reyes, John, Garcia. The Value is "Garcia" which is after the second comma.  Use the Beneficiary Name details of the Payee tagged in the Payment workbench DFF. If Payee is BLANK, then use the Beneficiary	Yes



					Name details of the Payment workbench > Trading Partner.	
12.	Last Name	Last Name of Individual Payee. Mandatory if user input "0" in "Is Individual or Corporation field"	Alphanumeric	140	<p>If Payee Classification is "0". This is the value before the First Comma. Ex. Reyes, John, Garcia. The Value is "Reyes" which is before the first comma.</p> <p>Use the Beneficiary Name details of the Payee tagged in the Payment workbench DFF.</p> <p>If Payee is BLANK, then use the Beneficiary Name details of the Payment workbench &gt; Trading Partner.</p>	Yes
13.	Client Reference No	Free Text field	Alphanumeric	50	Leave blank	No
14.	Payee Email		Alphanumeric	255	<p>Supplier Master &gt; <b>Contact Directory</b>.</p> <p>Also, the Alternate Name field in the Supplier Master &gt; Contact Directory must be assigned as "MBOS". In the event that there will be more than 1 contact directories that are assigned as "MBOS" in the Alternate Name field, the payment must still be included in the flat file but only select 1 email address maintained in the contact directory. Select the 1st email address from the list.</p>	No
15.	Disbursement Mode	Disbursement Mode of Check. Input "0" for Delivery and "1" for Pick-Up. NOT REQUIRED if client printing	Number	1	<p>Payment Document &gt; <b>Disbursement Mode (DFF)</b>.</p> <p>Set "0" as default value</p> <p>NOT REQUIRED if Printing Mode is "1" or Client Printing.</p>	Yes
16.	Releasing Branch/Delivery	If Disbursement Mode value "0" was	Alphanumeric	20	Payment Document > <b>Delivery Address</b>	Yes

	Address Code	selected, input Delivery Address Code. If "Disbursement Mode" field value "1" was selected, input Releasing Branch Code. NOT REQUIRED if client printing			<b>Code or Releasing Branch Code (DFF).</b> NOT REQUIRED if Printing Mode is "1" or Client Printing.  If Disbursement Mode is "0", then select value from DFF "Delivery Address Code". If Disbursement Mode is "1", then select value from DFF "Releasing Branch Code".	
17.	Claimant	Input "0" if Check will be claimed by an Authorized Representative. Input "1" if Check will not be claimed by an Authorized Representative. Payee will claim.	Number	1	Payment Document > <b>Claimant (DFF).</b>  Input "0" if Check will be claimed by an Authorized Representative. Input "1" if Check will not be claimed by an Authorized Representative. Payee will claim.	Yes
18.	Authorized Representative Name	Name/s of Authorized Representatives. Mandatory if user input "0" in "Claimant" Field	Alphanumeric	255	Payment Document > <b>Authorized Representative (DFF).</b>  MANDATORY if user input "0" in "Claimant" Field	Yes
19.	Particulars	Purpose of Check (printed in voucher)	Alphanumeric	255	Leave blank	No
20.	Remarks	Free text field for clients but not printed in Voucher	Alphanumeric	255	Leave blank	No
21.	With Preferred Check Number	Input 1 if with preferred check number Input 0 if no preferred check number	Number	1	Leave blank	No
22.	Check Number	Required only if value in "With Preferred Check Number" field is 1	Number	15	Leave blank	No
<b>Voucher Fields</b>						
1.	V	Fixed Value - "V"	Varchar	1	Fixed value "V"	Yes
2.	Reference No.	Voucher Repeating Field 1. Currently named as "Reference No."	Alphanumeric	15	Invoice Workbench > <b>Voucher Number</b>	No
3.	Invoice Date	Voucher Repeating	Date	10	Invoice Workbench >	No

		Field 2. Currently named as "Invoice Date"			<b>Invoice Date</b>	
4.	Invoice No.	Voucher Repeating Field 3. Currently named as "Invoice No."	Alphanumeric	15	Invoice Workbench > <b>Invoice Number</b>	No
5.	Invoice Amount	Voucher Repeating Field 4. Currently named as "Invoice Amount"	Amount	15 including 2 decimal places	Invoice Workbench > <b>Invoice Amount</b>	No
6.	Adjustment Amount	Voucher Repeating Field 5. Currently named as "Adjustment Amount"	Amount	15 including 2 decimal places	Leave blank	No
7.	VAT Amount	Voucher Repeating Field 6. Currently named as "VAT Amount"	Amount	15 including 2 decimal places	Invoice Workbench > <b>VAT Amount</b>	No
8.	Tax Amount	Voucher Repeating Field 7. Currently named as "Tax Amount"	Amount	15 including 2 decimal places	Invoice Workbench > <b>EWT Amount</b>	No
9.	Amount Paid	Voucher Repeating Field 8. Currently named as "Amount Paid"	Amount	15 including 2 decimal places	Payment Workbench > <b>Payment Amount</b> (per Invoice)	No
10.	Particulars	Voucher Repeating Field 9. Currently named as "Particulars". End of Line	Alphanumeric	255	Invoice Workbench > <b>Invoice Description</b>	No

## MBOS Descriptive Flexfields

#	Table	Segment Name	Value Set	LOV (Code & Description)	Other Conditions
1.	CM - Payment Document	Mode of Payment	RPI_MODE_OF_PAYMENT	1. HSBC Pesonet 2. MBOS-Manual 3. MBOS-Automatic	Required and Independent field
2.	CM - Payment Document	Type of Payment	RPI_TYPE_OF_PAYMENT	CC - Corporate Check MC - Manager's Check	Set CC as default value.  Dependent field of Mode of Payment.  Required only if Mode of Payment is MBOS-Manual and MBOS-Automatic.
3.	CM - Payment Document	Check Type	RPI_MBOS_CHECK TYPE	1 - Crossed Check 0 - Uncrossed Check	Set "1" as default value.  Dependent field of Type of Payment
4.	CM - Payment Document	Printing Mode	RPI_MBOS_PRINTING MODE	1 - Client Printing 0 - Branch Printing	Dependent field of Type of Payment.  Default value set to "1".  Required only if Mode of Payment is MBOS.
5.	CM - Payment Document	Disbursement Mode	RPI_MBOS_DISBURSEMENT MODE	0 - Delivery 1 - Pick-up	Dependent field of Printing Mode.  Set "0" as the default value.  NOT REQUIRED if Printing Mode is "1" or Client Printing.
6.	CM - Payment Document	Releasing Branch Code		Free text field	Dependent to Disbursement Mode.  NOT

					<p>REQUIRED if Printing Mode is "1" or Client Printing.</p> <p>Required if Disbursement Mode value = "1", else not required</p>
7.	CM - Payment Document	Delivery Address Code		Free text field	<p>Dependent to Disbursement Mode.</p> <p>NOT REQUIRED if Printing Mode is "1" or Client Printing.</p> <p>Required if Disbursement Mode value = "0", else not required</p>
8.	CM - Payment Document	Claimant	RPI_MBOS_CLAIMANT	<p>0 - Authorized Representative</p> <p>1 - Payee</p>	<p>Dependent field of Printing Mode.</p> <p>NOT REQUIRED if Printing Mode is "1" or Client Printing.</p>
9.	CM - Payment Document	Authorized Representative		Free text field	<p>Dependent field of Claimant.</p> <p>Only required if Claimant = "0".</p>
10.	Purchasing - Vendors (Supplier Organization)	Beneficiary Name (Already available in the Supplier Master)		Free text field	Required and Independent field
11.	Purchasing - Vendors (Supplier Organization)	Payee Classification (Already available in the Supplier Master)		<p>0 - Individual</p> <p>1 - Corporation</p>	Required and Independent field

## MBOS Directories

Bank files will be generated for both DATA and ARCHIVE folders. The folder directories are presented below:

### Data:

Directory: **/oracle2/mbtc2/data1**


Username: **rpi\_sftp2**

Password: **rpi\_sftp2022**

/oracle2/mbtc2/data1						
Name	Ext	Size	Changed	Rights	Owner	
						

### Archive:

Directory: **/oracle2/mbtc2/arc**

/oracle2/mbtc2/arc						
Name	Ext	Size	Changed	Rights	Owner	
			8/5/2022 5:24:46 PM	rw-rw-rw-r	rpi_sftp2	

*Note: Use the existing winscp user accounts since the directory is on 777 permission.*

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## Open and Closed Issues

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### Open Issues

ID	Issue	Resolution	Responsibility	Target Date	Impact Date

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### Closed Issues

ID	Issue	Resolution	Responsibility	Target Date	Impact Date