

PREMIUMTRUST BANK LTD

MasterCard Settlement

PTB/COPS/EBANKING/22/0001 Version 1.0

Policy number	PTB/COPS/EBANKING/22/0001
Policy Owner	E-banking Operations
Policy Status	Current
Date Signed Off	July 2022
Review Frequency	24 Months
Next Review Date	July 2024

Page **1** of **29**

PTB_PDM-COPS

Document Control Sheet

Version and Update History

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Date	Document Version	Document Revision History	Document Author/Reviser
01-07-2022	1.0	Document creation	E-Banking Operations
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Reviewed by

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Change Control

Change Clause/Frequency

The contents of this document are subject to change control on a twenty-four (24) months review cycle.

1. PURPOSE

This process manual is aimed at the refined procedures to which transactions are consummated in Ebanking operations as it pertinently affects the standard operating activities, performer, responsibility, timeline, and priority.

2. DEFINITIONS

This comprises of abbreviations and the full meanings.

- COPS- Central Operations
- O GH- Group Head
- MICR: Magnetic Ink Character Recognition
- O ATM- Automated Teller Machine
- O POS-Point of Sale
- O CBG- Corporate Banking Group
- CCMO- Conduct & Compliance Monitoring Officer
- O NUBAN- Nigeria Uniform Bank Account Number
- O CBA- Core banking Application
- CBN- Central Bank of Nigeria
- NOSTRO- Premium Trust Bank Account with other banks or Our Operating Account with other banks
- URL- Uniform Resource Locator

- O RM- Relationship Manager
- EOD- End of Day
- FGN- Federal Government of Nigeria
- WHT- Withholding Tax
- O VAT- Value Added Tax
- O BVN-Bank Verification Number
- CEMP- Customer Experience Management Personnel
- CCMO- Conduct Compliance and Monitoring Officer

3. APPLICABILITY & SCOPE

The process manual takes effect immediately has been signed off and the scope covers all transactions captured in this process manual.

4. POLICY REQUIREMENTS

To ensure transactions are consummated according to the documented and signed off procedures as contained in the process manual.

Roles and Responsibilities – MasterCard Settlement

s/n	Roles	Responsibility
1	MasterCard Domestic & International Settlement	Card Settlement Ops Officer
2	MasterCard Chargeback/Disputes, Merchandise Refunds	Card Settlement Supervisor
3.	MasterCard Treasury Deals Settlement & Reconciliation	Card Settlement Supervisor
4.	MasterCard billings Report Rendition & Posting	Card Settlement Supervisor
6.	MasterCard Pre-auth Posting	Card Settlement Ops Officer
7.	MasterCard Time-Out Refunds/Failed transactions	Card Settlement Ops Officer

9.	Mastercard Currency File Rendition	Card Settlement Supervisor
	MasterCard NOU & ROU Reconciliation	Card Settlement Supervisor
11.	Locked Fund Investigation	Card Settlement Ops Officer
12.	Funding of Mastercard Nostro	Card Settlement Supervisor

Business Process Flow Description:

No.	Action		Description	Responsibility	Time Taken
					3hours
10.11		Card Variants			
		Bank ID			
	Mastercard SETTLEMENT	ICAs	Issuing (Principal ICA)Acquiring	Card Settlement Ops Officer	
		REPORT REQ	UIREMENTS		

No.	Action		Description	Responsibility	Time Taken
		transactions. 1. T464 2. T461 (SWCHD363) 3. T140 (IP728010-AA 4. T057 5. T333 6. T112 7. SWCHD364 8. SWCHD586 9. SWCHD537-1	required for a complete settlement of & IP727020-AA) Advisement) USD & NGN 11. Billing		
		In order to access these Mastercard Applications. 1. Mastercard Do T112) 2. eService Settle	reports, you need access to the following ata Exchange (T464, T461, T140, T057, T333, ement Advisements e Reports (MDS, MCBS and GCMS		
		for the NOU reports, 1. Unified Payments FTP (using Filezilla)			
		The accounting entries for AT SETTLEMENT	ne accounting entries for settlement are:		
		DOMESTIC			
		Dr NGN GL	NET SETTLEMENT POSITION FROM NIBSS		
		Dr NGN GL	ROU ATM MASTERCARD SETTLEMENT		
		Dr NGN GL	ROU POS MASTERCARD SETTLEMENT		
		Dr	NOU DSP ERR CHARGEBACK FEE SETTLEME	١	

		Dr	ROU ATM FEE TRX SETTLEMENT		l
ı					ı

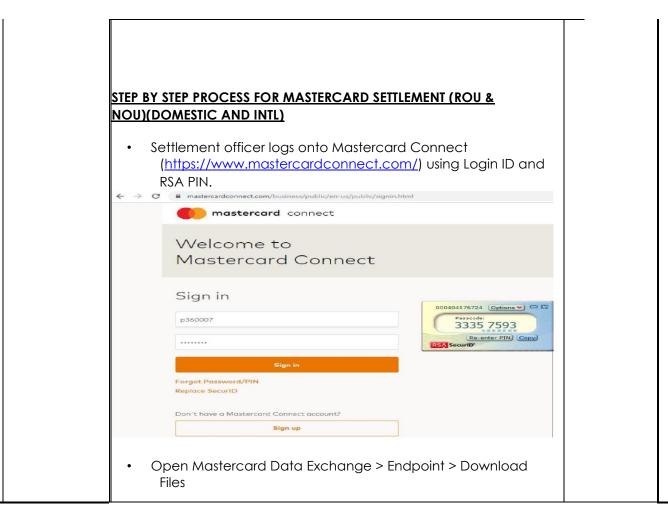
No.	Action		Description	Responsibility	Time Taken
					TGROTT
		Dr	ROU AMT CHARGEBACK FEE SETTLEMENT		
		Dr NGN GL	ROU MESTRO POS TRX SETTLEMENT		
		Dr NGN GL	ROU ATM DSP ER REPRES SETTLEMENT		
		Dr NGN GL	NOU DSP ERR CHARGEBACK TRX SETTLEME	VT	
		Cr NGN GL	NOU MASTERCARD SETTLEMENT		
		Cr NGN GL	NOU POS MASTERCARD SETTLEMENT		
		Cr	ROU POS INC SETTLEMENT		
		Cr	NOU INCM TRX SETTLEMENT		
		Cr	ROU ATM DSP ERR FEE SETTLEMENT		
		Cr NGN GL	ROU DSP ERR TRX SETTLEMENT		
		Cr NGN GL	NOU DSP ERR REPRESENTMENT TRX SETTLEMENT		
		Cr NGN GL	ROU POS CHARGEBACK SETTLEMENT		
		Cr NGN GL	NOU ACQ POS TRX SETTLEMENT		
		FAILED TRANSACTIONS			
		Dr NGN GL	MASTERCARD ATM FAILED TRANS		
		CR XXXXXXXXXX	MASTERCARD ATM FAILED TRANS		
		Cr NGN XXXX	MASTERCARD POS FAILED TRANS		
		Cr XXXXXXXXXX	MASTERCARD POS FAILED TRANS		
		DR XXXXXXXXX	PREAUTH FAILED TRANS.		
		CR NGN XXXX	PREAUTH FAILED TRANS.		
I					l l

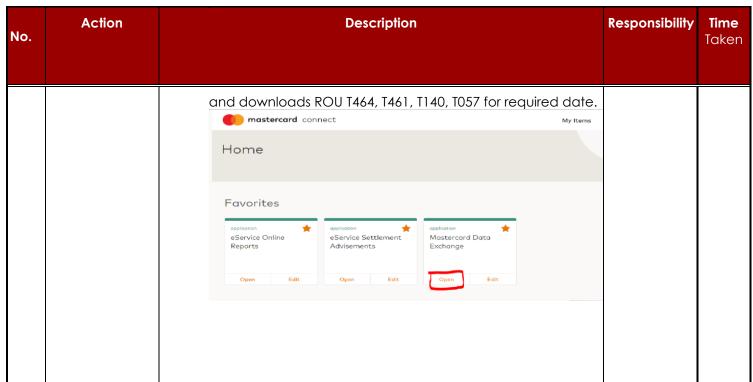
I	INTERNATIONAL			
[DR USD XXXXX	USD MASTERCARD POS TRAN.		
	DR GBP XXXX	GBP MASTERCARD POS TRAN.		

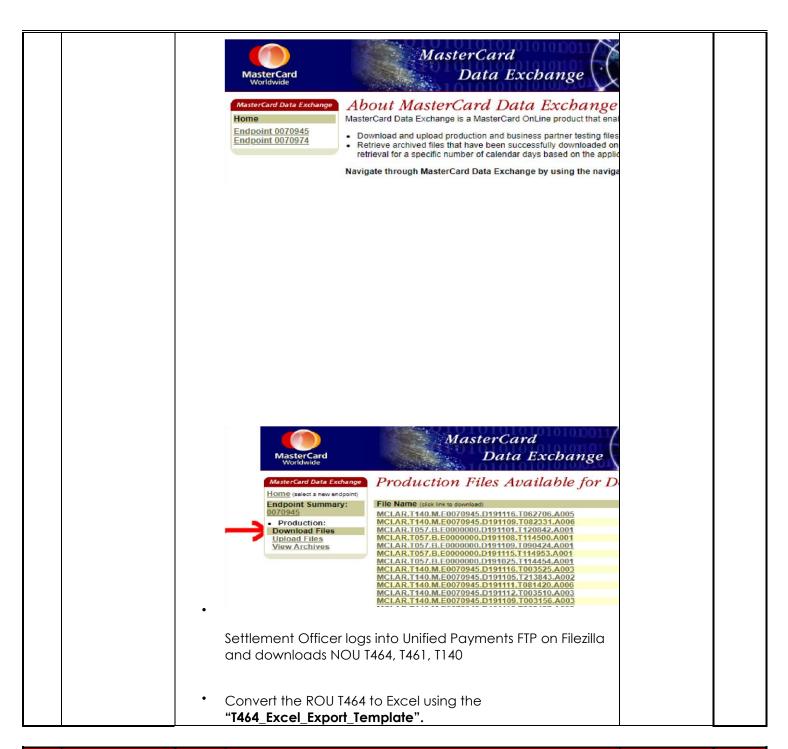
No.	Action		Description Responsibility		Time Taken
		DR USD XXXXXX	NAIRA MASTERCARD POS TRAN.		
		DR USD XXXXXX	USD MASTERCARD INTL ATM TRAN		
		DR USD XXXXX	NAIRA MASTERCARD INTL ATM TRAN		
		DR USD XXXXX	MASTERCARD REPRESENTMENT POS TRAN.		
		CR XXXXX	MASTERCARD SETT.ADVSMT		
		CR USDXXXXX	MASTERCARD MERCHANDISE REFUND.		
		CR USD XXXXX	MASTERCARD CHARGEBACK REFUND. POS		
		CR USDXXXXX	MASTERCARD INTL ATM NOU INTL SETT.		
		NGN INTERNATIONAL	L		
		DR NGN XXXXX	NAIRA MASTERCARD POS TRAN.		
		DR NGN XXXX	NAIRA MASTERCARD ATM TRAN		
		DR NGN XXXX	NAIRA MASTERCARD MAESTRO TRAN		
		DR NGN XXXXX	MASTERCARD REPRESENTMENT POS TRAN.		
		DR NGN XXXXX	MASTERCARD REPRESENTMENT ATM TRAN.		
		DR NGN XXXXX	NAIRA MASTERCARD ACQ POS TRAN.		
		DR NGN XXXXX	NGN MASTERCARD MERCHANDISE REFUN		
		DR NGN XXXX	MASTERCARD CHARGEBACK POS		

DR NGN XXXX	MASTERCARD CHARGEBACK ATM	
DR NGN XXXX	NAIRA MASTERCARD ACQ POS TRAN.	
DR NGN XXXX	MASTERCARD ATM NOU INTL SETT.	
CR NGN XXXX	NAIRA MASTERCARD POS TRAN.	
CR NGN XXXX	NAIRA MASTERCARD ATM TRAN	
CR NGN XXXX	NAIRA MASTERCARD MAESTRO TRAN	
CR NGN XXXX	MASTERCARD REPRESENTMENT POS TRAN.	

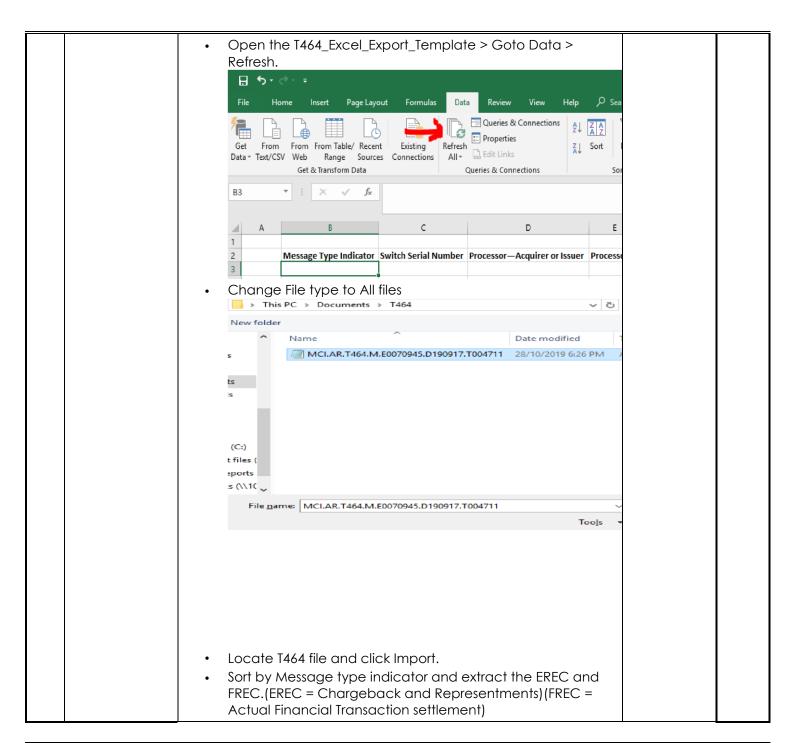
No.	Action		Responsibility	Time Taken	
		CR NGN XXXX	MASTERCARD REPRESENTMENT ATM TRAN.		
		CR NGN XXXX	NAIRA MASTERCARD ACQ POS TRAN.		
		CR NGN XXXX	NGN MASTERCARD MERCHANDISE REFUN		
		CR NGN XXXX	MASTERCARD CHARGEBACK POS		
		CR NGN XXXX	MASTERCARD CHARGEBACK ATM		
		CR NGN XXXX	NAIRA MASTERCARD ACQ POS TRAN.		
		CR NGN XXXX	MASTERCARD ATM NOU INTL SETT.		







No.	Action	Description	Responsibility	Time Taken
110.				TUKETI

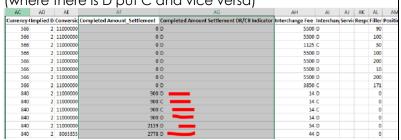


No.	Action	Description	Responsibility	Time Taken

 Under NREC, sort by interchange Fee and extract the transactions with values and add to FREC

	AA	AB	AC	AD	AE	AF	AG
1	Access Fe	Access Fe	Currency (Implied D	Conversio	Complete	Comp
15628	0	D	840	2	33626999	193	D
15629	0	D	840	2	33614414	83	D
15630	0	D	840	2	33617945	691	D
15631	0	D	840	2	33618992	16701	D
15632	0	D	840	2	33608285	97	D
15633	0	D	840	2	11000000	399	D
15634							
15635							
15636							
15637	0	D	840	2	8016306	0	D
15638	0	D	840	2	11000000	0	D
15639	0	D	840	2	11000000	0	D
15640	0	D	840	2	11000000	0	D
15641	0	D	840	2	26415702	0	D
15642	0	D	840	2	8016306	0	D
15643	0	D	840	2	11318836	0	D
15644	0	D	840	2	33619100	0	D
15645	0	D	840	2	22475406	0	D
15646	0	D	840	2	21635450	0	D
15647	0	D	840	2	11000000	0	D
15648	0	D	840	2	15496942	0	D
15649	0	D	840	2	8016306	0	D
15650	0	D	840	2	11000000	0	D
15651	0	D	840	2	11000000	0	D

 Under EREC, sort by completed amount_settlement and reverse the DR/CR indicators for the transactions with values. (where there is D put C and vice versa)



- 1. For the transactions with 0 values, copy the values from column **Requested Amount Trans Local** and paste.
- 2. Now convert all values (EREC & FREC) with DR/CR indicator as C to negative figures. (You can do this by multiplying each by -1).
- 3. Do same for interchange fee i.e. convert to negative.
- 4. Separate all transactions, (EREC & FREC & NREC fee) based on **Currency Code Settlement** (566 & 840).
- 5. Separate each currency (566 & 840) based on transaction type under column **Brand**. (CI = ATM, MD = POS).
- 6. Separate each Transaction type based on Completed Amount settlement DR/CR indicator.
- The transactions should be grouped as follows (Message Type Indicator/Brand/Currency Code settlement/ Completed Amount settlement DR/CR indicator) EREC/CI/566/C

EREC/CI/566/D

EREC/MD/566/C

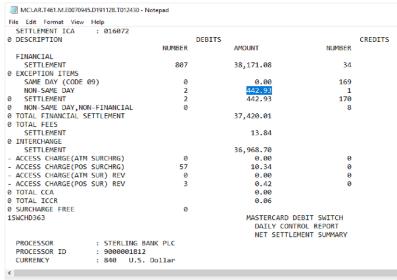
EREC/MD/566/D

EREC/CI/840/C

No.	Action	Description Responsibility	y Time Taken

EREC/CI/840/D EREC/MD/840/C EREC/MD/840/D FREC/CI/566/D FREC/MS/566/C FREC/MS/566/D FREC/MD/566/D FREC/MD/566/D FREC/MD/840/D FREC/MS/840/D FREC/MS/840/D FREC/MD/840/C FREC/MD/840/D

- 8. Divide all the amounts (Completed Amount_Settlement & Interchange Fee) by 100
- 9. Sum each group both Completed Amount_Settlement & Interchange Fee
- Confirm the groupings are accurate using your T461.
 Exception items = EREC, Financial = FREC. Confirm for both USD and NGN transactions.

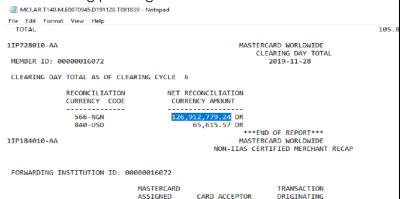


- 11. Sort the international POS & ATM by card Pan and separate by their currencies.
- 12. Add the Completed Amount Settlement & Interchange Fee to arrive at a net settlement amount
- 13. You need two T464 for complete settlement for any day (T), CI & MS of day T (EREC & FREC) plus MD of day T+1 (EREC & FREC). Do same for both Currency Code settlement (566 & 840)
- 14. For USD settlement, sum the Net settlement amount for day (T) CI & MS (EREC & FREC) and same day (T+1) MD (EREC &

No.	Action	Description Responsibility	y Time Taken

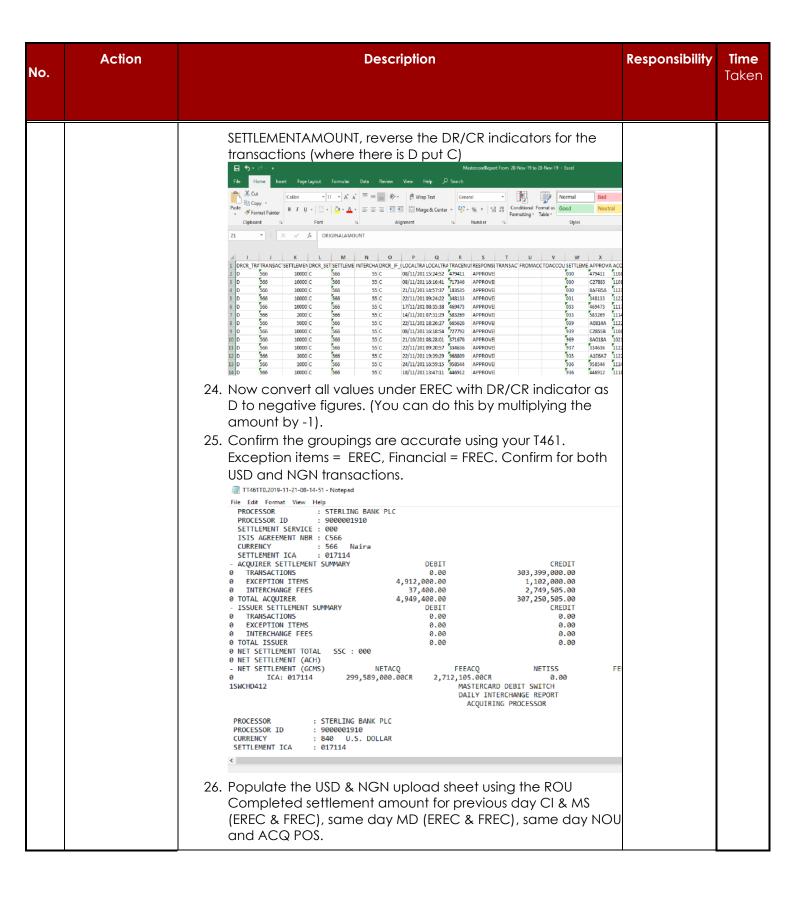
FREC) to arrive at the SAM figure for ROU including billings or pending MDS transactions.

15. For NGN Settlement, add the Net settlement amount for previous day (T) CI & MS (EREC & FREC) and same day (T+1) MD (EREC & FREC) to arrive at the Cycle 6 clearing total in T140 including pending MDS transactions.



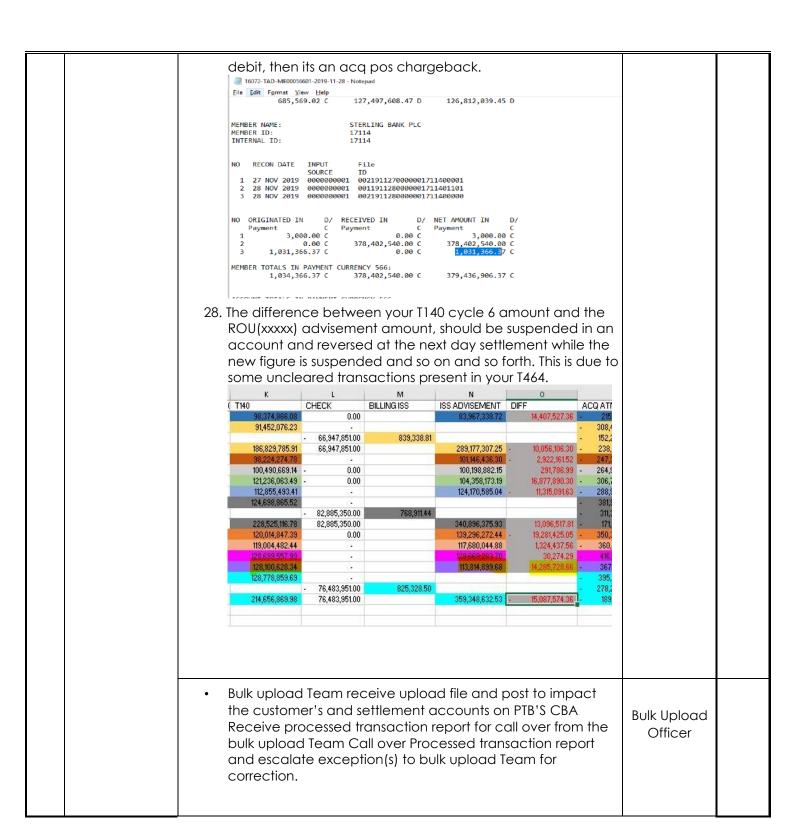
16. Include the billings to arrive at the SAM figure for ROU under ICA xxxxxx.

- 17. Open the NOU excel report and sort by MSGTYPE extract the EREC and FREC.(EREC = Chargeback and Representments) (FREC = Actual Financial Transaction settlement)
- 18. Under NREC, sort by interchange Fee and extract the transactions with values and add to FREC.
- 19. Sort the EREC & FREC by **SETTLEMENTAMT_CURRENCYCODE**, seperate 566 & 840.
- 20. Group the 840 with the NREC with values.
- 21. Sum the TRANSACTIONAMOUNT for the 840 transactions, sum the SETTLEMENTAMOUNT and INTERCHANGEFEE as well.
- 22. Sort the 566 EREC by SETTLEMENTAMOUNT and reverse the DR/CR indicators for the transactions with values. (where there is C put D)
- 23. For the transactions without values, copy the values from column **ORIGINALAMOUNT** and paste on



No.	Action	Description						Responsibility	Time Taker			
		USD 15705000120	Amount	Dr/Cr Ir	Value Da	ate	Expl: PO	1020 I		i ons MASTERCAF		
		USD15705000120								// ASTERCAL		
		USD15705000120								A MASTERC		
		USD15705000120	001 107.31	1				1030	NAIR	A MASTERC		
		USD15705000120	001 18,500.37	1				1030	NAIR	A MASTERO		
		USD15705000120								ERCARD RE		
		USD15705000120		1						ERCARD RE		
		PL63167 USD15705000120	139.28	1						A MASTERC A MASTERC		
		0321370300012	57,360.97					1030 1	TAIN,	WASTERC		
		USD15705000120	001 888.41	2				1030	MAS	TERCARD A		
		USD15705000120								ERCARD M		
		USD15705000120								ERCARD C		
		USD15705000120		2						ERCARD C		
		PL52382	451.85							MASTERCAR		
		PL52371	20.47							ERCARD ATM		
		USD 15705000120	001 12.43 54,793.81							A MASTERC ERCARD SETT		
		1		653.15	2	2019101	17			NMC ROU P		
		4 NGN103000004		771.00		2019101				NMC ROU P		
		7 NGN10300000	.52382 542,1	799.92 27.90		2019101		213	1020	NMC ROU P		
		11 NGN102040004		000.00	2			213	1030	NMC ROU D		
				045.00		2019101				NMC ROU D		
		15 NGN103000004 16 NGN103000004	,	715.04	2	2019101				NMC SUSPE		
		17 NGN102040004			2					FEE COL CR		
		18 NGN158410003			2			213		NMC NOU A		
		21 PL52371 22 PL52371	6,:	545.00	2	2019101				NMC NOU A		
		23 NGN103000004	1,034	,366.37		2019101			1050	NMC NOU A		
		26 NGN158410003				2019101				NMC NOU A		
		29 PL52371 30 NGN158410003		,590.00		2019101			1030	NMC NOU A		
		30 1401413041000	382,586,			2013101	.,			Tellic Noo A		
		1 NGN157050000	22001 256,	00.00	1	2019101	17		1030	NMC NOU A		
		4 NGN158410003		500.00	1					NMC NOU A		
		7 PL62235 8 NGN103000004		595.00	1	2019101			1030	NMC NOU A		
		9 NGN15841000			1				1030	FEE COLL-CS		
		10 PL63167			1				1030	AB Issuer A		
		11 PL63167 12 PL62235			1					MO POS ISS GF IPM Acq		
		13 PL62235			1					GF IPM Acq		
		14 NGN102040004			1	2019101	17		1030	OUTBOUND		
		15 NGN103000004		975.25		2019101				NMC SUSPE		
		16 NGN103000004 17 NGN103000004		323.75		2019101				NMC SUSPE NMC ROU P		
		20 PL	63167	362.82		2019101			1030	NMC ROU P		
				13.91	1			213	1030	NMC ROU P		
		22 NGN102040004 25 PL63167		100.00		2019101			1030	NMC ROU A		
		26 NGN103000004				2019101				NMC ROU P		
		29 NGN10204000	42001 87,741,	700.00	1	2019101	17	213		NMC ROU A		
		32 PL63167 33 NGN157050009		535.00	1	2019101			1030	NMC ROU A NMC NET SE		
		27. ACQ POS fig	gure can be fo	ound f	rom t	he SA	M w	/ith fi	le II)		

No.	Action	Description Responsi	bility Time Taken



Ma	Action	Description	Responsibility	
No.				Taken

				1hour
10.12	MASTERCARD CHARGEBACK/ DISPUTES, MERCHANDISE REFUNDS	• FREC transactions with Completed Amount Settlement DR/CR Indicator as C are refunds to be credited to customers. These are converted to Naira for NGN accounts using the prevailing settlement rate advised by CSU and applied. USD accounts are credited directly. Sort by the Card pan and separate by the different card currency. Use the Narration below to apply the credits "MASTERCARD INTL/DOM REFUND-TRAN DATE-PAN-TERMINAL-AUTH CODE-SSN" EREC transactions with are to be warehoused in the settlement account awaiting representment before applying to customers' accounts for accepted claims. Reconcile the Debits and Credits using the SSN, PAN and amount. DOMESTIC ATM – 3 WORKING DAYS FROM SETTLEMENT DATE OF RECEIVED CREDIT DOMESTIC POS – 5 WORKING DAYS FROM SETTLEMENT DATE OF RECEIVED CREDIT INTERNATIONAL ATM & POS - 45 DAYS FROM SETTLEMENT DATE OF RECEIVED CREDIT Use the Narration below to apply the credits "MASTERCARD INTL/DOM ATM/POS DISPUTE-TRAN DATE-RRN-STANPAN-TERMINAL-AUTH CODE-SSN"	Card Settlement Supervisor	
10.13	MasterCard Treasury Deals Settlement	After settlement has been processed, there is a need to recoup the USD funds utilized by customers with Naira accounts and also refund the customers for international transactions received in USD. 1. Populate the deals template by summing up the International transactions figure for GBP POS, NAIRA POS, NAIRA MAESTRO, NAIRA ATM, REPRESENTMENT POS AND ATM and less the figure for ATM NOU INTL, MERCHANDISE	Card Settlement Supervisor	1 hour

No.	Action	Description	Responsibility	Time Taken
No.	Action	REFUND, CHARGEBACK POS AND ATM to arrive at the NET SALES. 2. Populate the NGN equivalent of the USD figures using the prevalent settlement rate from mastercard. SNo. Customer Number Arrival 10	Responsibility	
		is funded then click "SUBMIT REQUEST". 7. After treasury posts credit USD entry in CR XXXXX and debit NGN entry in CR xxxxxx, reconcile amount for both USD and NGN against settlement amount posted		

10.15	MASTERCARD PRE-AUTH POSTING	 Get the PreAuth report from the file serve Open the report with note pad. Copy and paste on a new excel sheet. On the ribbon bar, click on Data > Text to Columns > Delimited. Sort the worksheet by COMP_TRXN_STAT Separate the Failed from the processed 	Card Settlement Ops Officer	2hours
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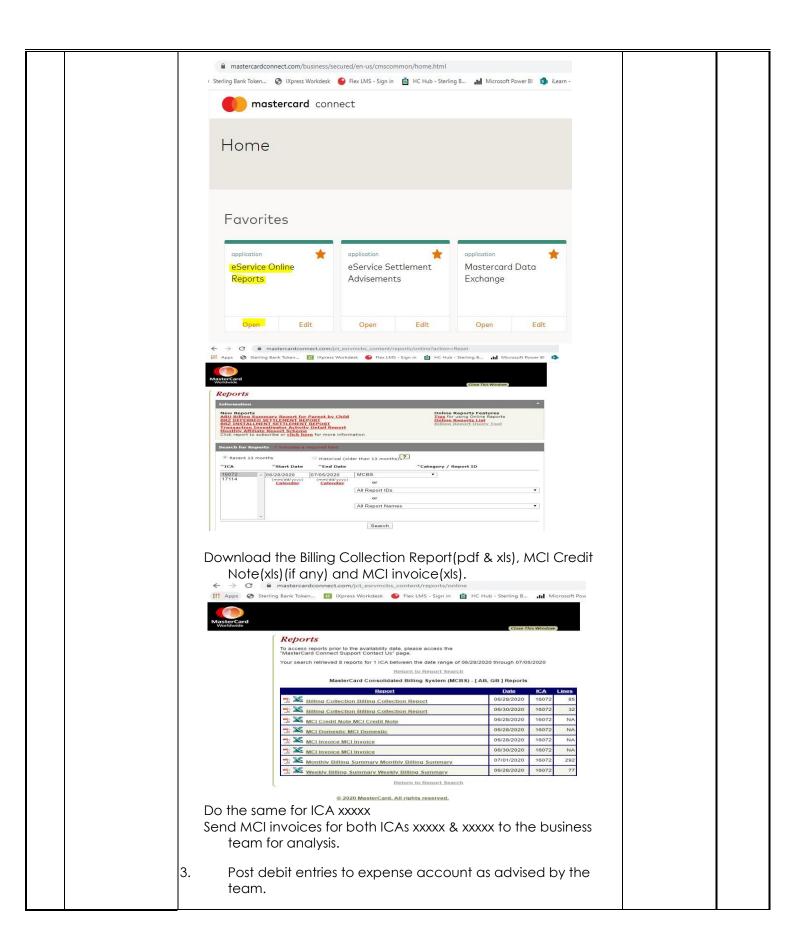
No.	Action	Description	Responsibility	Time Taken
		 Sort the Failed transactions by the Pan and choose only MasterCard Pans. 		
		 Create a column between the COMP_TRXN_AMT and COMP_TRXN_ERR 		
		 Divide the value on COMP_TRXN_AMT by 100 in the new column 		
		 Sort the worksheet by COMP_TRXN_ERR 		
		 Get the branch name and branch suspense account of all the accounts with restriction/insufficient balance. 		
		 Debit the individual accounts and branch suspense accounts and credit the MasterCard Pos ledger account (XXXXX). 		

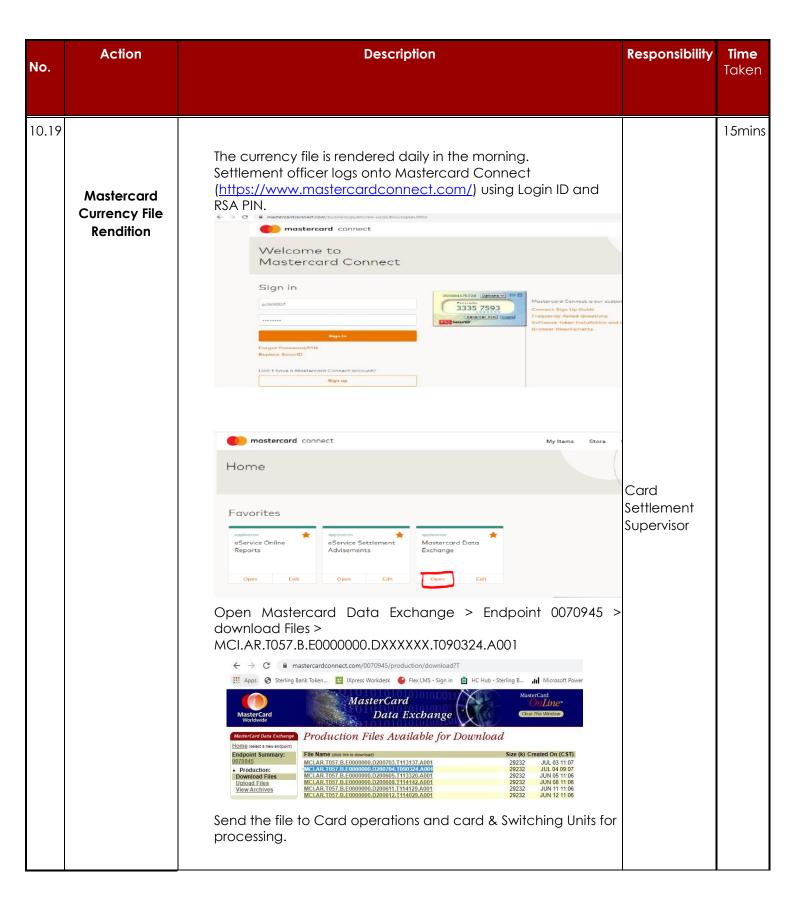
MASTERCARD REFUND PROCESS FOR TIMED OUT TRANSACTIONS	 Copy and paste on a new excel sheet. On the ribbon bar, click on Data > Text to Columns > Delimited. Use conditional formatting to remove the duplicate of OUR.REF for each report to another sheet as they are auto reversals Sort by AMT.ICY and move the debits to another sheet as they are manual debits. Label the reports ATM statement and POS statement respectively. Get the timeout report from the file server \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Card Settlement Ops Officer	1hour
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No.	Action	Description	Responsibility	Time Taken
		 Anyone that returns data on the statement may be liable to get refund. Check the account if it has been reversed and if not process a refund. 		

10.18		Settlement officer logs onto Mastercard Connect (https://www.mastercardconnect.com/) using Login ID and RSA PIN.	Card Settlement Supervisor	1hour
	MASTERCARD IPM FILES UPLOAD	 Open Mastercard Data Exchange > Endpoint 0070974 > Upload Files > R111 - PROD IPM INBOUND DATA MEMBER TO MC and uploads the required IPM files. You need to request access to Bulk type R111, endpoint from mastercard to have access to this feature You can view all files uploaded during the session when done uploading. 		
10.18	MasterCard billings Report Rendition & Posting	Billings are received every Sunday and last day of the month Settlement officer logs onto Mastercard Connect (https://www.mastercardconnect.com/) using Login ID and RSA PIN. * ** ** ** ** ** ** ** ** ** ** ** **	Card Settlement Supervisor	

No.	Action	Description	Responsibility	Time Taken





10.20	MasterCard NOU & ROU Reconciliation	9. Download files advised by ERC. 10. Review aged items in ledger and statement.	Card Settlement Supervisor	2hours
No.	Action	Description	Responsibility	Time Taken
		 For NOU, all debit items overaged in ledger should be investigated if they are failed transactions and debits passed to the branches. 		
		12. Obtain branch codes from the terminal ID.		
		13. If successful, kindly liaise with the switch for settlement		
		14. All overaged debit items in statement are disputed transactions accepted by dispute management, kindly debit branches.		
		Outstanding credit items in ledger and statement are unimpacted and representment transactions. Kindly pass credit to branches, after confirming from atm reports that they were successful. If failed, return via AIR.		
		16. For ROU, long outstanding credit items in ledger are awaiting settlement, if overaged liaise with switch or return to cardholder.		
		Outstanding credit items in statement are refunds for customers, kindly pass to cardholder		
		18. Long outstanding debits in ledger and statement should be debited to customer.		
10.22	FUNDING OF MASTERCARD OFFSHORE ACCOUNT WITH UBA NEWYORK	 Funding is done by crediting our Offshore Mastercard Account in UBA NY with funds recouped from customers in the Nostro account. Funding is based on daily net settlement figures debited to the account. Approved memo request is scanned and sent to Trade services and Treasury for processing. The minimum balance to be maintained in the Nostro Account is USD500,000.00 	Card Settlement Supervisor	

Work Tools:

- Available workstation/VPN
- Access to MastercardConnect
- Access to UP FTP file server
- Access to Pre-Auth Fileserver
- Access to Flexcube
- Access to ledger reports on sharepoint