



MTN Zambia IT

Sim Card Management Process Document

January 2019



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Key responsibilities for the specified activities rest with the designated functions/departments within the process flowcharts.....	
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i. Purpose

The purpose of this document is to present the processes for implementation in MTN Zambia IT. Information provided in this document serves as a common reference point and language for the discussions and implementation of the Sim Card Management Processes as part of MTN Zambia IT implementation. The purpose of this process document is to provide guidance in the process of SIM Management focusing on simplicity of activations, fraud mitigation and regulatory compliance. It covers the Sim Card Generation and Provisioning.

ii. Scope

This document applies to all Retail Outlets managing MTN products and services. It includes interactions with Supply Chain, Mobile Sales, Information Technology and Finance departments.

iii. Roles and Responsibilities

Key responsibilities for the specified activities rest with the designated functions/departments within the process flowcharts.

iv. Definition of Terms

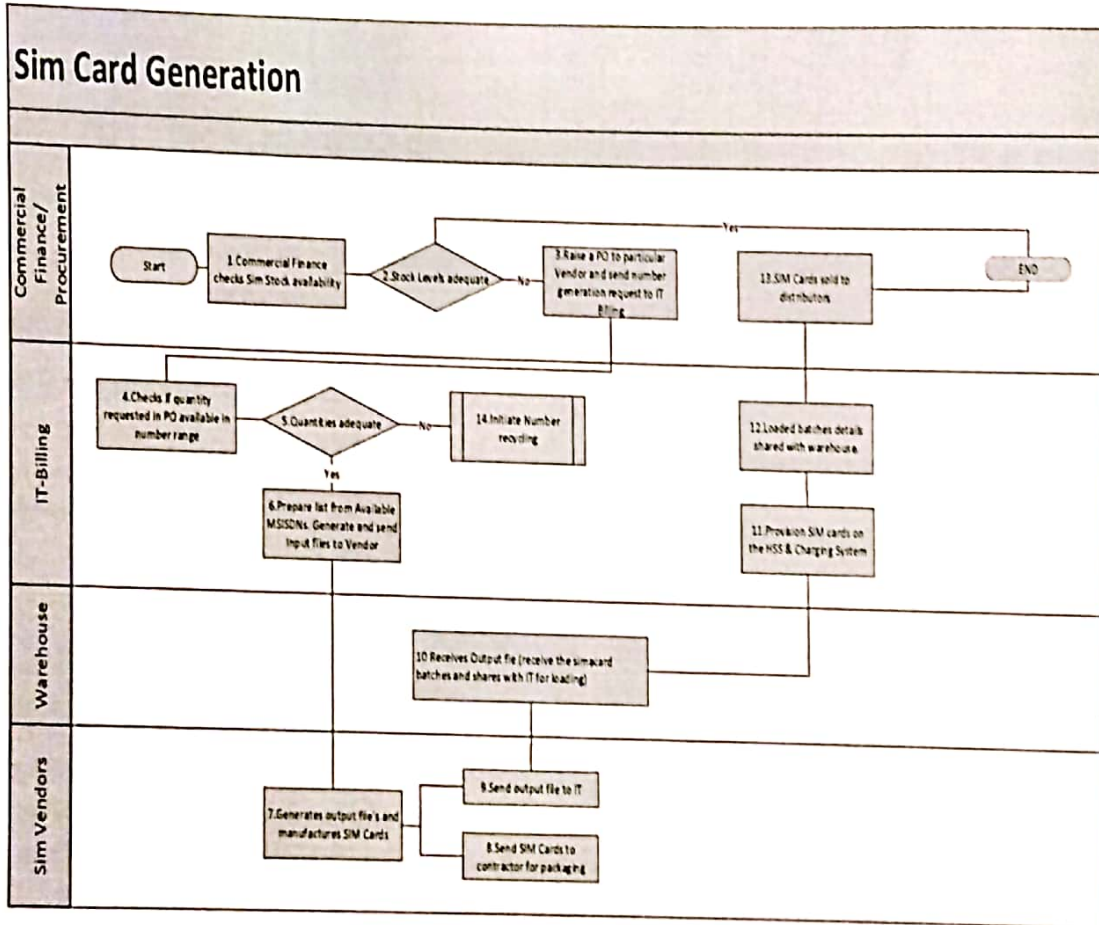
Term	Definitions
SIM CARD	A subscriber identity module or subscriber identification module (SIM), widely known as a SIM card, is an integrated circuit that is intended to securely store the international mobile subscriber identity (IMSI) number and its related key, which are used to identify and authenticate subscribers on mobile telephony devices (such as mobile phones and computers)



v. Processes

The various SIM Card management process are depicted below,

1.1. Sim Card generation Process



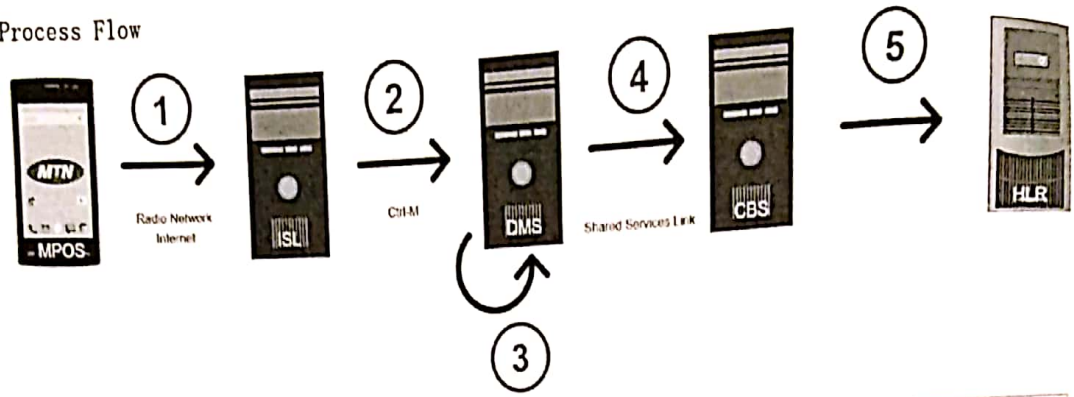
**SIM Card Generation Key notes**

Nr.	Activity	Description	Responsibility	Input / Output	Supporting Tool
SIM Card Generation Process					
1	Check Stock availability	<ul style="list-style-type: none"> Commercial Finance checks stock levels of Sim Cards and Starter Packs 	Commercial Finance		IFS
2	Confirm Stock Level	<ul style="list-style-type: none"> Commercial Finance confirms if stock levels are adequate 	Commercial Finance		IFS
3	Raise Purchase Order	Procurement Raises Purchase Order to a Sim Vendor and send a number generation request to IT Billing for number generation	Procurement		IFS
4	Check availability of number range	<ul style="list-style-type: none"> IT Billing checks if number range is available and if they have adequate quantities 	<ul style="list-style-type: none"> IT Billing 		Charging System
6	Generate input files from range and send to vendor	IT Billing prepares a list from the available numbers and send input files to the vendor via procurement	IT Billing		
7	Generate Output Files and Manufacture Cards	SIM Vendors receive the input files and generate output files and begin manufacturing physical SIM Cards	SIM Vendors		
8	Packaging	Sim Vendors send Sim Cards to Contractors for packaging	SIM Vendors		
9	Send Output File to IT	SIM Vendors send generated output to MTN Warehouse who receive the SIMCARD batches and shares with IT for loading	Warehouse		
10	Receive Output file	IT Billing receives output files from Sim Vendors	IT Billing		
11	Provisioning	IT Billing receives the output files and provision the SIM Cards on HSS and Charging System	IT Billing		HSS, Charging System
12	Share batch details	IT Billing shares Loaded batch details to Warehouse			



1.2 SIM Registration and Activation

1.2.1 Process Flow

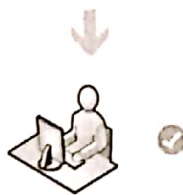


- Step 1 - Registration documents and KYC information sent from MPOS to ISL
- Step 2 - Registration documents sent from ISL to DMS
- Step 3 - Registration documents verified on DMS
- Step 4 - Confirmation sent from DMS to CBS
- Step 5 - Activation request sent from CBS to HLR



Step 1- Registration

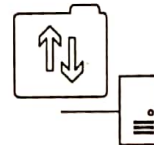
Agent performs a registration getting full customer details and kyc documents (images of form and NRC OR Drivers license on Using MPOS App)



Verifications of Customer details done by S & D team on DMS and CBS

Step 2- Verification

Step 3- Activation



Once verification is done number is activated on the network- By CBS-Request sent via EMA to network nodes and billing nodes for activate

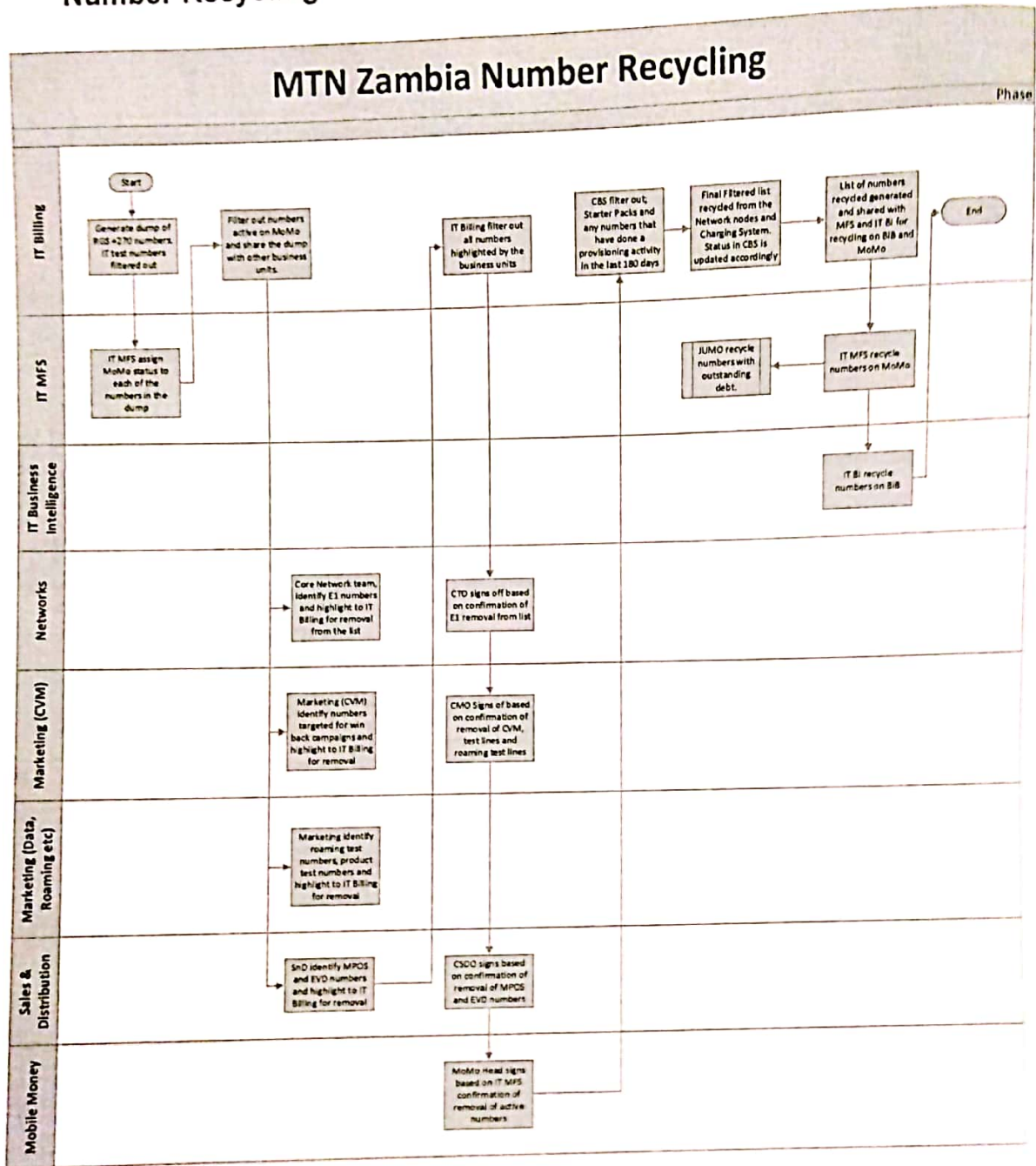


SIM Registration and activation Key notes

Nr.	Activity	Description	Responsibility	Input / Output	Supporting Tool
SIM Card Registration and activation Process					
1	Register	<ul style="list-style-type: none">The Agent performs a SIM Registration with the Customer using MPOS and uploads Customer details	Agent		MPOS
2	Verify KYC Documents	<ul style="list-style-type: none">S&D team verifies the Customer KYC details on DMS and CBS	S&D		CBS and DMS
3	Activation	Once Verification is done, activation is done on the network nodes	IT Billing		



Number Recycling





Number Recycling Process and Key notes

Nr.	Activity	Description	Responsibility	Input / Output	Supporting Tool
Number Recycling Process					
Role	Step	Description			
IT Billing	>	IT Billing manages the recycling of numbers when the number range have been exhausted.			
		STEP			
		1.0 IT Billing generates a dump of RGS +270 numbers and filter out all the test numbers			
		2.0 This is shared with the MOMO team to identify all numbers that are active on MOMO			
		3.0 Then the MOMO number are filtered out and then the dump shared with all the business units			
		4.0 All numbers highlighted from the business units are filtered out			
		5.0 The next filter is on all numbers in CBS that have provisioning activity in last 180 days			
		6.0 Final list after filtering is then recycled and shared with MFS, BI, BIB and MOMO for recycling			
IT MFS	>	IT MFS identify the active users and update the status in the shared list			
		1.0 Once they receive the final list they recycle on MOMO and JUMO			
Networks	>	2.0 Identify E1 numbers and highlight			
		3.0 CTO signs for any numbers to be removed once the final list is shared.			
Marketing (CVM)	>	>	Identify numbers stationed for campaigns and highlight in the shared list		
Marketing(Data, roaming)	>	>	Identify test and production test numbers from shared list and highlight from the list		
Sales and Distribution	>	>	Identify MPOS and EVD numbers from the list and share		
		>	CSDO signs for any removal of MPOS or EVD numbers		
Mobile Money	>	>	MOMO head signs for any removal of Mobile Money Number		



3. Approval Sign-Off

Signature

Date

Kalombo Chlongoshi

29/03/2019

Kalombo Chlongoshi
IT Manager Billing and
Customer Care (CRM)

Signature

Date

Lottie Masi

29/03/2019

Lottie Masi
Senior Manager IT
Governance and Service
Management

Godfrey Mulenga

29/03/19

Date

Signature

Godfrey Mulenga
Senior Manager IT
Operations



02.04.2019

Signature

Date

Thomas Lumba

Senior Manager Commercial Finance

08.04.2019

Signature

Date

Olanrewaju Lamina

CIO