TANZANIA COMMUNICATIONS REGULATORY AUTHORITY

NATIONAL NUMBERING AND SIGNALING POINT CODES PLANS FOR THE UNITED REPUBLIC OF TANZANIA

July 2025

THE UNITED REPUBLIC OF TANZANIA
TANZANIA COMMUNICATIONS REGULATORY AUTHOURITY

NATIONAL NUMBERING AND SIGNALING POINT CODES PLANS

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Definitions of terms

In this document, unless the context otherwise stated, the following definitions apply;

Access code: means a non-geographic prefix numbers used as the service identification number for acquiring, receiving, using, or transmitting a telecommunication service.

Allocation: The process of opening a numbering or addressing resource in a plan for its use by a telecommunication service under specified conditions.

Assignment: means authorization given to an applicant for the right to use number or addressing resources under specified conditions.

Country Code (CC): Country codes are used to identify either a specific country, countries in an integrated numbering plan, a specific geographic area, a group of countries, a Network or global services.

Country Code (CC) for Networks: A shared 3-digit Country Code used in combination with an identification code to identify an international Network.

Identification Code (IC): The code after a shared E.164 Country Code that uniquely identifies an international Network.

International Prefix: A digit or combination of digits to be dialed by a calling subscriber making a call to a subscriber in another country to obtain access to the automatic outgoing international equipment (000 for Tanzania).

Identifier: A series of digits, characters and symbols used to uniquely identify a subscriber, a user, a network element, a function, a network entity, a service, or an application. Identifiers can be used for registration or authorization. They can be either public to all networks or private to a specific network (private IDs are normally not disclosed to third parties)

International Signaling Point Code (ISPC): This is a Signaling point code with a unique 14-bit format used at the international level for signaling message routing and identification of Signaling points involved.

International Mobile Subscription Identity (IMSI): Is a string of decimal digits, up to a maximum length of 15 digits, which identifies a unique subscription. The IMSI consists of three fields: the mobile country code (MCC), the mobile network code (MNC), and the mobile subscription identification number (MSIN)

Mobile Country Code (MCC): The MCC is the first field of the IMSI, is three digits in length and identifies a country.

Mobile Network code (MNC): The MNC is the second field of the IMSI, is two or three digits in length and is administered by the respective national NPA

National Destination Code (NDC): A nationally optional code field within the E.164 number plan, which combined with the subscriber's number (SN), will constitute the national (significant) number of the international public telecommunication number for geographic areas. The NDC will have a network and/or trunk code selection function.

National (Significant) Number (N(S) N): The number to be dialed following the national (trunk) prefix to obtain a subscriber in the same country (or group of countries included in one integrated numbering plan) but outside the same local network or numbering area.

National Signaling Point Code (NSPC): This is a code with a unique 14-bit format used at the national level for signaling message routing and identification of Signaling points involved.

National (trunk) Prefix: A digit or combination of digits to be dialed by a calling subscriber, making a call to a subscriber in his own country but outside his numbering area. It provides access to the automatic outgoing trunk equipment.

Network: Internationally interconnected physical nodes and operational systems operated and maintained by one or more Recognized Operating Agencies (ROAs) to provide public telecommunication services. Private networks are not included in this section. **Note:** The use of capital 'N' in the word 'Networks' indicates that this definition applies

Number: A string of decimal digits that uniquely indicates the public network termination point.

Numbering plan: A plan that specifies the format and structure of the numbers used within telecommunication networks.

Prefix: A prefix is an indicator consisting of one or more digits that allows the selection of different types of number formats (e.g., local, national, or international), transit networks and/or the service. Prefixes are not part of the number and are not signaled over the inter-network or international boundaries.

Signaling Point: This is a node in a Signaling network that originates and receives Signaling messages and transfers Signaling messages from one Signaling link to another, or both.

Signaling System No. 7 (SS7) is a stack of signaling protocols, which was initially developed by the International Telecommunication Union Consultative Committee for International Telephony and Telegraphy (ITU CCITT) in the mid-1980s. The set of

telephony signaling protocols that are used to set up the public switched telephone network (PSTN) telephone calls. SS7 primarily sets up and tears down telephone calls, but other uses include number translation, prepaid billing mechanisms, local number portability, short message service (SMS), and a variety of mass-market services.

Subscriber Number (SN): The number identifying a subscriber in a network or numbering area.

Telephone number: The number, derived from the E.164 numbering plan, used by the calling party to establish a call to an end user or a service.

Trial Service: Temporary services offered by an innovator, researcher or start-up company conducting the trial or viability of potential new ICT innovation(s), research and studies.

Trunk Code (TC): A digit or combination of digits, not including the national (trunk) prefix, identifying the numbering area within a country (or group of countries included in one integrated numbering plan or specific geographic area).

Value Added Services (VAS): A service that is offered in addition to or in conjunction with basic telecommunication services such as voice call, short message service (SMS), multimedia messaging service (MMS) and data access.

1. Introduction

Tanzania Communications Regulatory Authority (TCRA) has the overall responsibility to manage all electronic communication numbers and addresses in Tanzania, United Republic. This mandate comes under Section 79 of the Electronic and Postal Communications Act, revised edition 2022 and Section 4 (1) to 6 of the Electronic and Postal Communications (Electronic Communication Numbering and Addressing) Regulations, 2018, as amended in 2020.

The management of electronic communication numbers and addresses includes-

a) Planning, allocation, assignment, reservation and withdrawal of electronic communications numbering and addressing resources; and

b) Monitoring utilization of the administered resources to ensure compliance.

This document provides a national numbering and network identifiers scheme that has taken into account technological changes and market demand for the provision of new applications and services. The plan conforms to ITU-T E.164 Recommendations for International Public Telecommunication Numbering Plan. The plan is also in line with ITU-T E.169 (Universal Free phone, premium rate and shared cost services), ITU-T E.212 (IMSI codes), ITU-T Q.708 (Signalling area network codes) and ITU-T X.121 (Public data networks), and other appropriate ITU-T Recommendations.

This document consists of the following main sections:

1. National Numbering Scheme, Allocation and Assignments

This section provides the structure of telephone numbers, Categorization of numbers by Telecommunication services, free-of-charge numbers for Public Communications, allocation and assignments of numbering resources used in United Republic of Tanzania. The plan provides available numbering formats for different services including:-

1.1 Access services codes for the national, regional and international levels.

1.2 Free of charge numbers for Public Communications numbers for services in which consumers do not incur any cost, as described in the categories below;

1.2.1 Customer assistance services: These are service numbers made available for use for public services and free telecommunication services provided by Mobile Network Operators (MNOs), including services but not limited to include customer care service for MNOs and SIM card registration checks.

1.2.2 Emergency services: These are numbers made available and assigned to specific emergency service providers for the provision of human life and safety services.

1.3 Other Assignments: This section provides details of numbers planned for Value Added Services codes (i.e SMS & USSD), Utility Services, Voice Mail and Local special access codes.

2. Network Identification codes scheme, Allocation and Assignment

This section provides structure, formats, allocation and assignment of the following groups of numbers: -

2.1 Signalling point codes (SPCs): For addressing signalling points in signalling networks based on ITU-T Signalling System No. 7 (SS7). SPCs are valid only within a Signalling network and conform to ITU-T Recommendation Q.704 for national signalling points and ITU-T Recommendation Q.708 for the international Signalling Network.

2.2 Other Identifiers for Public Cellular Network

These are network identifiers administered by the ITU-T and assigned to Tanzania. The code includes Mobile Country Code for identification of Public Cellular Networks in the Country, Issuer Identification Numbers (SIM header) used to distinguish SIM cards issued by MNOs within Tanzania and Data Network identification codes (DNIC) for providing identification of a country as well as specific public data networks in Tanzania.

2. The National Numbering Scheme

2.1 Structure of Telephone numbers.

The National Numbering Plan is purely numeric. The national numbers for the PSTN, M2M, Mobile Network Destination Numbers, Corporate Services, Premium Rate Services Numbers, and Special & Fixed Rate Services have a total length of 9 digits, except for M2M, which has 12 digits.

The structure of Tanzania telephone numbers follows the ITU-T Recommendation E.164.

2.2 Categorization of Numbers by Telecommunication Services.

Table 1 highlights access codes for different telecommunications services in Tanzania.

0T is the format used for access code for the provision of different telecommunication services, where T stands for the application of the given access code.

Table 1: Access Codes for Different Services

0T	Telecommunication Services
00	Regional prefix
01	Reserved for carrier selection use
02	PSTN services
03	Machine-to-Machine Communications Services
04	Corporate Services (e.g., VoIP)
05	Corporate networks
06	The “Find me anywhere” Services
07	The “Find me anywhere” Services
08	The special service number range
09	Premium rate and multimedia service

2.2.1 Regional and International Prefix

International Prefix: 000 + CC + NDC + SN

Where **CC** stands for Country Code for Network
NDC stand for National Destination Code
SN stands for Subscriber Number

East African Countries Calling Format: 00T+NDC+SN

The East African Countries made arrangements on the calling format in the region as in **Table 2**. The aim is to provide consumers in the region with the ability to call each other without using normal country code international dialling format.

Where T is a digit assigned to an East African country
NDC stand for National Destination Code
SN stands for Subscriber Number

Table 2: East African countries calling format

To	Calling Format
Kenya	005 + NDC + SN
Uganda	006 + NDC + SN
Rwanda	004 + NDC + SN
Burundi	003 + NDC + SN

2.2.2 Public Switched Telephone Network Services (PSTN)

This refers to a traditional circuit-switched telephone network, operated by telecommunication service providers to provide fixed communication services.

The numbering format for PSTN services is 02**A Y XXXXXX.**

Where: NDC for geographical areas has seven (7) codes in line with the international trend for fewer and bigger local dialling areas.

02 is the access code,
A is part of the NDC code representing the dialing Area code,
Y is part of the subscriber number representing the Operator offering the service and
X represents the subscriber number, where the subscriber (SN) is seven digits in length.

Table 3: Geographic dialling area codes

02A	The geographic dialing area allocated
020	Reserved for future use
021	Reserved for future use
022	Dar es Salaam Region
023	Coast, Lindi, Morogoro, Mtwara Regions
024	Zanzibar (including Pemba and Unguja)
025	Katavi, Mbeya, Rukwa, Ruvuma and Songwe Regions
026	Dodoma, Iringa, Njombe, Singida and Tabora Regions
027	Arusha, Kilimanjaro, Manyara and Tanga Regions
028	Geita, Kagera, Kigoma, Mara, Mwanza, Shinyanga and Simiyu Regions
029	Reserved for future use

The geographical dialing area code in **Table 3** is represented in Figure 1.

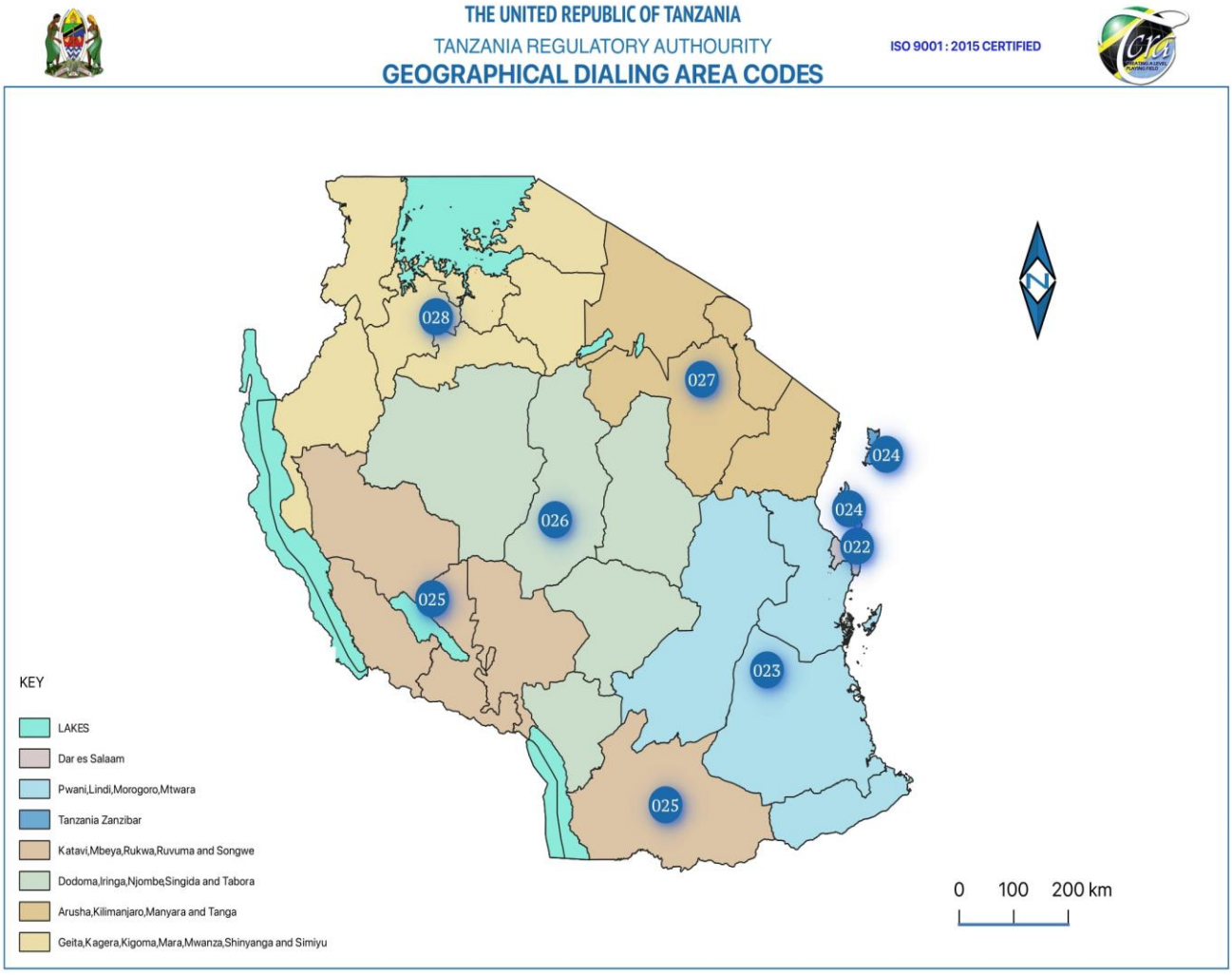

Figure 1: Tanzania Geographic Dialing Area Codes

2.2.3 Machine to Machine (M2M) Communications numbers

M2M communications services are services where devices can transfer data to other devices over a network without much human intervention. Machine to Machine Communications Services (M2M) are numbers planned for services that require the use of Mobile Station International Subscriber Directory Number (MSISDN) at minimum or no human intervention.

M2M/IoT services considered under this category include but are not limited to automotive & transport such as car tracking, utilities such as smart metering and grids, healthcare (e-health, m-health, telemedicine and assisted living), smart agriculture, smart buildings (structural health, access control and security, lighting, water, lifts, fire and smoke alarms, power and cooling systems), smart manufacturing, Security & surveillance, Environmental monitoring homes, and all other services of same nature.

The Subscriber Identity Module (SIM) used in M2M communications can be physical or an electronic Subscriber Identity Module (e-SIM). Usage of physical SIM and e-SIM is subject to the Electronic and Postal Communications (SIM Card Registration) Regulations, 2020 and its amendments.

M2M numbers are assigned on a 15-digit numbering range to ensure availability to meet future needs. The format of M2M numbers is **+255300YY XXXXXXX**

Where YY are two digits identifying an Operator
XXXXXXX is a seven-digit identifying the subscriber number

Table 4: Numbering Plan for M2M communications

NDC	M2M Number	Type of Service
300 **YY**	+255 300 YY XXXXXXX	M2M Communications Services

2.2.4 Corporate Services

The numbers for corporate services are set out for a provisional of defined corporate services offered over the Internet such as Voice over Internet Protocol. The numbering format for this category is **04B YY *XXXXX***

Where the **B** digit identifies the type of corporate service
YY digits identify the Operator
XXXXX digits identifying subscriber number

Table 5: Corporate Services

S/N	Number Range/Code	Service Type
1.	040 YY XXXXX	SPARE
2.	041 YY XXXXX	Voice over IP (VoIP)
3.	(042-049) YY XXXXX	SPARE

2.2.5 Corporate Data Networks

The numbers for corporate network services are intended to be utilized by private or public data networks. The numbering format for this category is **05B YY XXXXX**

Where **B** identifies the network

YY identify the operator

XXXXX 5 digits for subscriber Number.

Table 6: Corporate Data Network

S/N	05X XXXXX Range	Application
1.	050 YYXXXXX	Reserved
2.	(051 -055) YYXXXXX	Private Data Network
3.	(056 -058) YYXXXXX	Public Data Network
4.	(059)YYXXXXX	Reserved

2.2.6 Mobile Network Destination Codes

The Mobile Network Destination Codes (MNDC) classified as “find me anywhere service,” are used for accessing mobile communications services. The numbers are non-geographical. The numbering format MNDC is: **06YA XXXXXX and 07YA XXXXXX**

Where **A** Can take any digits except 0 and 1 which can be used upon the approval from TCRA

Y is a single digit that identifies the operator network

XXXXXX 6 digits for subscriber Number

Table 7: Number ranges for 'find me anywhere' Access Codes

06A/07A Ranges	Type of Service
060AXXXXXX, 063AXXXXXX, 064AXXXXXX and 066AXXXXXX	Reserved for future use
061AXXXXXX, 062AXXXXXX, 065AXXXXXX, 067AXXXXXX - 069AXXXXXX	Assigned to mobile operators
070AXXXXXX, 072AXXXXXX	Reserved for mobile operators
071AXXXXXX, 073AXXXXXX - 079AXXXXXX	Assigned to mobile operators

2.2.7 Special and Fixed Rate Services

These include free phone (National and Global use), shared cost services, and national and special rate services. The numbering format for this category is:

08BB YY XXXX

Where **BB** Identifies the type of service
YY Identifies the operator network
XXXX Four digits for subscriber Number

Table 8: Fixed & special rate services numbering assignments

S/N	08XX NUMBER RANGE	Definitions
1.	0800 YY XXXX	National Free phone (Local Toll-Free)
2	0800 00 XXXX	National Free Phone for individual Organizations (Toll-Free)
3.	0808 YY XXXX	International Rate Services (Special Service).
4.	0840 YY XXXX	Shared Cost Services (Special Services Local Rate).
5.	0860 YY XXXX	National Rate Services (Special Services Toll Rate).
6.	0861 YY XXXX	Special Rate Services (Special Services Fixed Rates).

2.2.8 Premium Rate Services Numbering

The numbers are used for diverse services such as Information, chat, entertainment services, mobile games, TV voting and competitions. The numbering format for this category is: **090B YY XXXX**

Where **B** Identifies the type of service
YY Identifies the operator network
XXXX Four digits for subscriber Number

Table 9: Premium Rate Services Numbering

S/N	090X NUMBER RANGE	Definitions
1.	0900 YY XXXX	Information Services (Premium Services)
2.	0901 YY XXXX	Entertainments Services (Multi-media Services)
3.	0902 YY XXXX	Competitions/Tele-voting
4.	0903 YY XXXX - 0909 YY XXXX	Spare

Table 10: List of Numbering Resources blocks Assignment for telecoms services

S/N	APPLICATION	OPERATOR	ASSIGNED CODE	TYPE OF SERVICE	STATUS
1.	**PSTN**	Tanzania Telecommunications Corporation	02A 2 XXXXXX	PSTN	Operational
		Honora Tanzania PLC	02A 5 XXXXXX	PSTN	Operational
2.	**M2M numbers**	Honora Tanzania PLC	030000XXXXXXX	Machine to Machine	Operational
		Airtel Tanzania PLC	030001XXXXXXX	Machine to Machine	Operational
		Viettel Tanzania PLC	030002XXXXXXX	Machine to Machine	Operational
		Vodacom Tanzania PLC	030003XXXXXXX	Machine to Machine	Operational
		Honora Tanzania PLC	030004XXXXXXX	Machine to Machine	Operational
		Tanzania Telecommunications Corporation	030005XXXXXXX	Machine to Machine	Operational
3.	**Corporate Services numbers**	Tanzania Telecommunications Corporation	041 19 *XXXXX*	Voice over IP (VoIP)	Operational
4.	**Corporate Data Network Services**	WIA Company Limited	056 01 *XXXXX*	Public Data Networks	Operational
		Tanzania Railways Corporation	05100XXXXX	Private Data Networks	Operational

S/N	APPLICATION	OPERATOR	ASSIGNED CODE	TYPE OF SERVICE	STATUS
5.	**The 'find me anywhere" Access Codes**	Viettel Tanzania PLC	*061 Y XXXXXX*	Mobile Communications Services	Operational
			062 Y XXXXXX	Mobile Communications Services	Not operational
		Honora Tanzania PLC	*065 Y XXXXXX*	Mobile Communications Services	Operational
			067 Y XXXXXX	Mobile Communications Services	Operational
			071 Y XXXXXX	Mobile Communications Services	Operational
			077 Y XXXXXX	Mobile Communications Services	Operational
		Airtel Tanzania PLC	*068 Y XXXXXX*	Mobile Communications Services	Operational
			069 Y XXXXXX	Mobile Communications Services	Operational
			078 Y XXXXXX	Mobile Communications Services	Operational
		Vodacom Tanzania PLC	074 Y XXXXXX	Mobile Communications Services	Operational
			075 Y XXXXXX	Mobile Communications Services	Operational
			076 Y XXXXXX	Mobile Communications Services	Operational
			079 Y XXXXXX	Mobile Communications Services	Operational
		Tanzania Telecommunications Corporation	073 Y XXXXXX	Mobile Communications Services	Operational

S/N	APPLICATION	OPERATOR	ASSIGNED CODE	TYPE OF SERVICE	STATUS
6.	Special, Fixed Rate Services	Tanzania Telecommunications Corporation	0800 11 XXXX	Local Toll Free	Operational
		Honora Tanzania PLC	0800 12 XXXX	Local Toll Free	Operational
		Honora Tanzania PLC	0800 71 XXXX	Local Toll Free	Operational
		Vodacom Tanzania PLC	0800 75 XXXX	Local Toll Free	Operational
		Airtel Tanzania PLC	0800 78 XXXX	Local Toll Free	Operational
		Tanzania Telecommunications Corporation	0808 11 XXXX	International Toll Number	Operational
		Vodacom Tanzania PLC	0808 00 XXXX	International Toll Number	Operational
7.	Premium Rate Services	Airtel Tanzania PLC	0901 00 XXXX	Entertainments Services (Multi-media Services)	Operational
		Vodacom Tanzania PLC	0901 12 XXXX	Entertainments Services (Multi-media Services)	Operational
		Honora Tanzania PLC	0901 65 XXXX	Entertainments Services (Multi-media Services)	Operational
		Vodacom Tanzania PLC	0901 76 XXXX	Entertainments Services (Multi-media Services)	Operational
		Viettel Tanzania PLC	0901 22 XXXX	Entertainments Services (Multi-media Services)	Operational
		Vodacom Tanzania PLC	0900 01 XXXX	Information Services (Premium Services)	Operational

2.3 Numbers for Public Communications (Free of Charge)

2.3.1 Customer Assistance Services

These are numbers made available free of charge to customers for special telecommunication services. These numbers are not allocated specific service providers and are in a number range of **10B.**

Where **B** stands for service application

Table 11: Customer assistance (free of charge)

S/N	10B RANGE	APPLICATION	STATUS
1.	100	Customer Care/Operator Assistance (Swahili)	Operational
2.	101	Customer Care/Operator Assistance (English)	
3.	102	Check Balance/Billing Inquiry (Swahili)	
4.	103	Check Balance/Billing Inquiry (English)	
5.	104	Recharge (Swahili)	
6.	105	Recharge (English)	
7	106	Check to confirm if your SIM Card is Registered	
8.	107	Customer Care IVR	
9.	108	e-Government Services	Reserved
10.	109	e-Government Services Zanzibar	Reserved

2.3.2 Life and Safety Services (Free of Charge)

These are 3-digit codes made available and assigned to specific Ministries/Authorities/Departments for the provision of life-saving services.

These short codes are common to all Operators in Tanzania in the range of **11 B**. A summary of the applicable short codes and their applications in the New Numbering Scheme is provided in **Table 12**

Table 12: Life and safety (free of charge) services

S/N	11B & 19B RANGE	APPLICATION	STATUS
1.	110	Emergency services for Lake Victoria and other water bodies	Reserved
2.	111	Crime Stoppers	Operational
3.	112	Emergency, Police	Operational
4.	113	Anti-corruption	Operational
5.	114	Fire Services	Operational
6.	115	Ambulance Services & M-mama Services	Operational
7.	116	Child Help Line	Operational
8.	117	Health Help Line	Operational
10.	119	Anti-Drugs	Operational
11.	190	Disaster Services	Operational
	195	Anti-human trafficking services	Reserved
12.	199	Medical Emergency for Outbreak Diseases	Operational
13.	118,191-198	Spare	Spare

2.2.3 East Africa Region Common Short Codes

In light of the move towards harmonization of common short codes in East African Member States, the following numbers have been harmonized to facilitate East African Roamers' seamless use of short codes across the region.

Table 13: East Africa regional common short codes (free of charge)

S/N	1BB RANGE	APPLICATION
1.	100	Customer Service
2.	130	Recharge
3.	131	Check Balance
4.	121	Surface and Marine Transport Instant Reporting Services
5.	123	Voicemail retrieval
6.	110	Emergency Services for Lake Victoria
7.	112	Emergency, Police
8.	116	Child Helpline
9.	17B	Carrier selection

2.4 Other Assignments

2.4.1 Voice Mail Services

The services used to collect/deliver voice messages from/to direct users and subscribers. This system consumes the services supplied by its Voice Store-and-Forward Unit and consumed by its users. Planned numbers for voice mail use the format **12B,** where **B** stands for where the service is being applied, as illustrated in **Table 14**.

Table 14: Voice Mail (discounted tariff)

S/N	12B RANGE	APPLICATION
1.	123	Voice Mail Retrieval
2.	124	Indirect Voice Mail Deposit / Retrieval
3.	120-122;128-129	Spare

2.4.2 Utility Services Numbering

These are simple and memorable short codes for utility services used particularly for services with high public interest such as Electricity, Water and sewage and Gas. The numbering format is 18B where B stands for a type of utility (water and sewage, gas or electricity).

Table 15: Utility Services Numbering Assignments

S/N	18B RANGE	APPLICATION	STATUS
1.	180	Electricity	Operational
2.	181	Water and Sewage	Reserved
3.	182	Fault reporting on the ICT backbone	Reserved
4.	183	Gas	Reserved
5.	184-189	Spares	Reserved for future assignments

2.4.3 Value Added Services Short Codes – VAS USSD and SMS

Unstructured Supplementary Service Data (USSD) is a Global System for Mobile (GSM) communication technology that is used to offer interactive text-based Values Added Services (VAS) between a mobile phone user and an application program in the network. Applications may include prepaid roaming, mobile money transactions, mobile banking services and other e-commerce services.

Table 16: VAS USSD numbering allocation

S/N	14B / 15B RANGE	FORMAT	APPLICATION
1.	146	*146*YY	Trial Services
2.	147	*147*YY	General Services
3.	148	*148*YY	Free Services
4.	149	*149*YY	General Services
5.	150	*150*YY	E-Commerce (financial) Services
6.	151	*151*YY	E-Commerce (financial) Services
7.	152	*152*YY	Government Services

Table 17: VAS SMS numbering Allocation

S/N	Number Range 14BYY/15BYY	Service
1.	146 YY	Trial Services for Innovators/Researchers/or Start-ups
2.	150 YY	Free Text Codes
3.	15040	Report on Fraud
4.	15090	Equipment Verification by using IMEI
5.	151 YY	Financial and Commercial related applications
6.	152 YY	Government Services
7.	153 YY	Standard Rate Codes (e.g. voting; at standard rates up to the basic premium rate)
8.	154 YY	Standard Rate services
9.	155 YY	Basic Premium Rate Codes (e.g. Lotto, horoscope, Download of video, Images & Graphics etc.; charged at basic premium rates)
10.	156 YY	Basic premium rate services
11.	157 YY	High Premium Rate Codes (e.g. Mobile Lottery, Gaming; charged the highest rate)
12.	158 YY	Spare for high premium rate codes
13.	159 YY	Free Text Codes (e.g. Public services such as AIDS, Health)
14.	160YY	Standard Rate services

Notice for Vas Short Code Usage and Assignments

The Authority has identified GOLD, SILVER, BRONZE and Ordinary VAS SMS Codes from the most memorable to the least memorable codes.

The following assignment criteria shall apply for VAS Short Code Usage and Assignment:

1. GOLD, SILVER and BRONZE codes are assigned based on the applicant's preference, as the codes have different registration fees.

2. Ordinary codes are assigned serially depending on availability.

3. All application of numbering resources, including VAS short codes should be done through TCRA's Tanzanite portal (https://tanzanite.tcra.go.tz/index.htm)

3. Identification and Addressing Codes

3.1 Signalling Point Codes (SPCs)

3.1.1 Format of International Signaling Point Code (ISPC)

The International Telecommunication Union Telecommunication Standardization Sector (ITU-T) has specified in Recommendation Q.708 the following 14-bit binary format for the identification of the International Signalling Point Codes to be used in the international SS7 Signalling links

N M L	**K J I H G F E D**	**C B A**
Zone/Geographic Area Identification **3 bits**	Area/Network Identification **8 bits**	Signalling Point Identification **3 bits**
Signalling Area/Network Code (SANC)		
International Signalling Point Code (3-8-3)		

First bit transmitted

Figure 2: ITU-T format for the ISPCs

The **3-bit** sub-field '**NML**' defines the world geographical zone where the network is located. The **8-bit** sub-field '**KJIHGFED**' identifies the geographical area or network within a specific world zone. The **3-bit** sub-field '**CBA**' identifies the Signalling point (international exchange) within a specific geographical area or network.

The combination of sub-fields 'NML-KJIHGFED' is defined as a Signalling Area /Network Code (SANC). Each country shall be assigned at least one SANC.

The allocation of the codes in the first sub-field 'CBA' in this 3-8-3 bit structure is left for the National Communications Regulator, which is responsible for notifying the ITU-T Secretariat of the code usage. The 3-bit structure of the 'CBA' sub-field allows eight International Signalling Point Codes to be used for each SANC code. Should more than 8 International Signalling Points be required, one or more additional SANC code(s) would then be assigned by ITU-T for the country.

Current Assignments of the International Signalling Point Code

The following are the current ISPC based on services as per the descriptions aforementioned.

The assigned SANCs to Tanzania by ITU's TSB are **6-080**, **6-081** and **6-123**. The assignment of ISPC to Telecommunication System Operators is indicated in Table 19.

Table 18: International Signalling Point Codes Assignments in Tanzania

S/N	EXCHANGE OPERATOR	ASSIGNED ISPC (3-8-3)
1.	Tanzania Telecommunications Corporation	6–080–0
2.	Honora Tanzania Plc	6–080–2
3.	Honora Tanzania Plc	6–080–7
4.	Vodacom Tanzania Plc	6–080–4
5.	Tanzania Telecommunications Corporation	6–081–0
6.	Vodacom Tanzania Plc	6–081–3
7.	Airtel Tanzania Plc	6–081–6
8.	Airtel Tanzania Plc	6–081–7
9.	Viettel Tanzania Plc	6–081–1
10.	Viettel Tanzania Plc	6–081–4
11.	Vodacom Tanzania Plc	6–123–0
12.	Tanzania Telecommunications Corporation	6–123–2
13.	Tanzania Telecommunications Corporation	6–123–3

3.1.2 Format of the National Signaling Point Code (NSPC)

The recommended structure for SPCs to be used to identify exchanges in national-level networks is 14-bits as described in Figure 3.

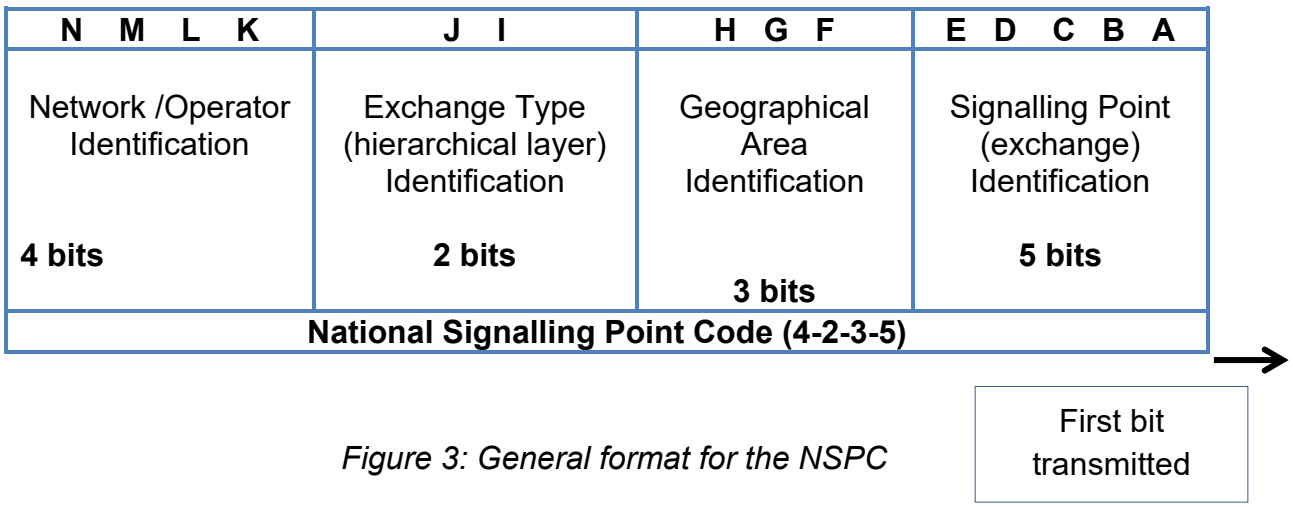

Figure 3: General format for the NSPC

The **4-bit sub-field 'NMLK** 'defines the network (operator) in which the exchange is located in.

The **2-bit sub-field 'JI'** shall define the hierarchical layer of the exchange in the operator's network as follows:

Hierarchical Layer	Bit Pattern 'JI' [binary]	Bit Pattern 'JI' [decimal]
International layer	00	0
National transit layer	01	1
Local tandem layer	10	2
Local layer	11	3

Note: In case an exchange is a combined exchange operating on two or more layers, it shall be specified on its highest operating layer in the sub-field 'JI'.

The **3-bit sub-field 'HGF'** is used to identify the geographical area where the exchange is located.

The SPC area boundaries follow the local dialing numbering area boundaries in the new National Numbering Scheme. An exception is made in the Dar es Salaam numbering area, which is divided into DSM North and DSM South Areas to provide enough capacity for the densely populated capital area.

The geographical areas to be used in the SPC numbering are shown in Table 1 and pictorially depicted in the map below.

Table 19: Geographic Signalling Area Codes

Code	Geographical area
0	Dar es Salaam North
1	Dar es Salaam South
2	Coast, Morogoro, Mtwara and Lindi Regions
3	Zanzibar (including Pemba and Unguja) Regions
4	Mbeya, Ruvuma, Katavi, Songwe and Rukwa Regions
5	Dodoma, Iringa, Njombe, Singida and Tabora Regions
6	Arusha, Kilimanjaro, Manyara and Tanga Regions
7	Geita, Kagera, Kigoma, Mara, Mwanza, Shinyanga and Simiyu Regions

The first sub-field to be transmitted '**EDCBA'** shall define the exchange, i.e. the Signalling Point within a geographical area defined in the sub-field 'HGF'.

Figure 4: Tanzania Geographic Signalling Area Codes

Current assignment of the National Signalling Point Codes

The assignment of National SPCs to Telecommunications System providers is indicated in **Table 21**.

Table 20: National Signalling Point Codes (ISPCs)

SN	SERVICE	EXCHANGE OPERATOR	ALLOCATION/ASSIGNMENT
CALL CENTRES FOR EMERGENCY AND LIFE & SAFETY NUMBERS			
1	LIFE & SAFETY	LIFE & SAFETY OPERATORS	1-0-0-21 to 1-0-0-31
PUBLIC SWITCHED TELEPHONE NETWORK (PSTN)			
1	PSTN	TANZANIA TELECOMMUNICATIONS CORPORATION	1-Y-X-ZZ except 1-0-0-21 to 1-0-0-31
2	PSTN	HONORA TANZANIA PLC	2-Y-X-ZZ
PUBLIC LAND MOBILE NETWORK (PLMN)			
1	PLMN	HONORA TANZANIA PLC	8-Y-X-ZZ
PUBLIC LAND MOBILE NETWORK (PLMN)			

SN	SERVICE	EXCHANGE OPERATOR	ALLOCATION/ASSIGNMENT
CALL CENTRES FOR EMERGENCY AND LIFE & SAFETY NUMBERS			
1	LIFE & SAFETY	LIFE & SAFETY OPERATORS	1-0-0-21 to 1-0-0-31
2	PLMN	Tanzania Telecommunications Corporation	9-Y-X-ZZ
3	PLMN	Honora Tanzania Plc	10-Y-X-ZZ
4	PLMN	Vodacom Tanzania Plc	11-Y-X-ZZ
5	PLMN	Airtel Tanzania Plc	12-Y-X-ZZ
6	PLMN	Viettel Tanzania Plc	14-Y-X-ZZ
Reserved			0-Y-X-ZZ
Reserved			3-Y-X-ZZ

3.2 Identifiers for Public Cellular Network

These are numbers allocated for Identifiers of Public Cellular Network

3.2.1 Mobile Country Code / Mobile Network Code (MCC/MNC)

Assignment of MNC is as per ITU T. Rec E.212; in Tanzania the assignment is in the format: 640-XX, where 640 is the Mobile country code (MCC) and XX indicates the MNC assigned to the different mobile operator which together identifies uniquely the Public Land Mobile Network (PLMN) worldwide

Table 21: Identification Codes for Public Cellular Networks in the Country

S/N	OPERATOR	MCC+MNC
1.	Honora Tanzania PLC	640-02
2.	Honora Tanzania PLC	640-03
3.	Vodacom Tanzania PLC	640-04
4.	Airtel Tanzania PLC	640-05
5.	WIA Company Limited	640-06
6.	Tanzania Telecommunications Corporation	640-07
7.	Viettel Tanzania PLC	640-09
8.	Vodacom Tanzania PLC	640-11

3.2.2 Issuer Identifier Numbers (IIN)/SIM Header

These are seven digits numbers used to identify the subscriber Identity Module (SIM). The IIN follows the format: 89-255-XX, where 89 was assigned to the telecommunications industry; 255 is the country code for Tanzania and XX is the MNC. The resource has been assigned as per ITU-T Rec. E. 118

Table 22: Issuer Identifier Numbers (IIN)/SIM

S/N	OPERATOR	ASSIGNED CODES
1	Honora Tanzania PLC	89-255-02
2	Honora Tanzania PLC	89-255-03
3	Vodacom Tanzania PLC	89-255-04
4	Airtel Tanzania PLC	89-255-05
5	Tanzania Telecommunications Corporation	89-255-07
6	WIA Company Limited	89-255-08
7	Viettel Tanzania PLC	89-255-09
8	Vodacom Tanzania PLC	89-255-11

3.2.3 Data Network Identification Codes (DNIC)

The assignment of a DNIC to a global network is administered by the ITU as per ITU-T Recommendations. X.121. Tanzania has been allocated Data Country Code **640,** which subsequently assigns DNIC in the format of **640-X,** where X is the network digits. DNIC uniquely identifies the Public Data Network worldwide.

4.0 Future assignments and amendments

Planning, allocation and assignment of electronic numbering resources in Tanzania is a continuous process, depending on but not limited to industry and technological needs, including Innovations and new market demand, Recommendations and resolutions from the regional and International organizations, e.g., SADC, EACO and ITU. In this view, TCRA can amend National Numbering and signaling points codes plans where necessary, when deemed fit.

Contact Us

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