	Tanzania Communications Regulatory Authority-TCRA		
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UNITED REPUBLIC OF TANZANIA

TANZANIA COMMUNICATIONS REGULATORY AUTHORITY

ISO 9001:2015 CERTIFIED

NATIONAL NUMBERING PLAN

and

List of Numbering Resource Assignments

(United Republic of Tanzania)

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1.0 INTRODUCTION

TCRA was established under the Tanzania Communications Regulatory Act No.12 of 2003 to regulate the electronic communications, and postal services, and management of the national frequency spectrum in the United Republic of Tanzania.

Numbering is a limited national resource that must be managed fairly in the public interest of each individual sovereign country. This numbering plan is updated regularly in order to accommodate the emerging new services as well as new operators in the country. The plan and actual assignments for all services are described in subsequent chapters.

2.0 DEFINITIONS

Country Code (CC) for Geographic Areas: The combination of one, two or three digits identifying a specific country, countries in an integrated numbering plan, or a specific geographic area.

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

Global Service: A service defined by the ITU-T, provisioned in the public switched network, to which the ITU-T has assigned a specific country code to enable the provision of that international service between two or more countries and/or integrated numbering plans.

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

International Prefix: A digit or combination of digits to be dialled 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).

International Switched Dialling code (ISD code): The same as the International Prefix explained here before

International number: The number to be dialled following the international prefix to obtain a subscriber in another country.

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

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 dialled 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 (trunk) Prefix: A digit or combination of digits to be dialled by a calling subscriber, making a call to a subscriber in his own country but outside his own 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

Numbering Systems: are defined by numbering plans (the rules for formatting and allocating numbers) and dialling plans (the rules for using numbers to make calls), and together these determine the user-friendliness of a given systems.

Number: A string of decimal digits that uniquely indicates the public network termination point. The number contains the information necessary to route the call to this termination point. A number can be in a format determined nationally or in an international format. The international format is known as the International Public Telecommunication Number, which includes the country code and subsequent digits, but not the international prefix.

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 signalled over the inter-network or international boundaries.

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

Subscriber Trunk dialling code (STD code): A digit or combination of digits to be dialled in the national traffic before the called subscriber's number to obtain a subscriber in another numbering area.

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.

3.0   TELEPHONE NUMBERING PLAN & ASSIGNMENTS

3.1   Regional and International Prefixes

The international prefix was changed from "00" to "000" since 30 June 1999 to form a new international dialling format: 000 + CC + NDC + SN.   For East African countries the calling format was changed as follows:

Table 1: East African countries the calling format

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

This is based on special arrangement that has existed since the first East African Community. It aimed at not calling each other through normal country code international dialling format.

3.2   Service Access Codes
The "**0T**" format is used as access codes to different services, as follows:

Table 2: access codes for different services

0T	Services
00	Regional prefix
01	Reserved for carrier selection use
02	PSTN services
03	Machine to Machine Communications Services
04	Corporate Services Type_1 (e.g. VoIP)

0T	Services
05	Corporate networks
06	The "Find me anywhere" Services
07	The "Find me anywhere" Services
08	Special service number range
09	Premium rate and multimedia service

3.3   Public Switched Telephone Network services

The number of NDC in Public Switched Telephone Network (PSTN) for geographical areas has 7 codes in line with the international trend for fewer and bigger local dialling areas. The subscriber number (SN) is seven digits in length. The NDC code digit **« A »** has been allocated to the following geographical area:

Table 3: Geographic dialling area codes

02**A**	Geographic dialling 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) Regions
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

Table 4: PSTN Access Codes Assignments

S/N	OPERATOR	ASSIGNED CODE
1.	Tanzania Telecommunications Corporation	02A 2 + XXXXXX
2.	Zanzibar Telecom PLC	02A 5 + XXXXXX

> *<u>NOTE-1:</u>   "A" represent Dialling Area (STD) Codes.*

3.4   The 'find me anywhere" Access Codes

The services included in **"Find me anywhere"** comprises mobile telephone, personal numbering and paging services. The numbers are non-geographical and the call charge is not distance dependent.

Table 5: 'find me anywhere' Access Codes

06A/07A Ranges	Type of Service
060	Reserved for future use, e.g. Paging Services
061 -069	Assigned to mobile operators
070, 079	*Spare for mobile operators*
071, 073 -078	Assigned to mobile operators

Mobile Number Assignments:

Each operator in the mobile telephone network is allocated a network access code **07B** Y XXXXXX or **06B** Y XXXXXX (where digit '**B'** identifies the operator network, **Y** may take any digit except **0** & **1** which can used after getting approval from TCRA and **XXX XXX** are other six digits of Subscriber Number), as follows:

Table 6: 'find me anywhere' Assignments

S/N	OPERATOR	7-digit Assignments	STATUS
1.	MIC Tanzania PLC	*071 + Y XXXXXX*	*Operational*
		065 + Y XXXXXX	*Operational*
		067 + Y XXXXXX	*Operational*
2.	Tanzania Telecommunications Corporation	*073 + Y XXXXXX*	*Operational*
3.	Vodacom Tanzania PLC	*074 + Y XXXXXX*	*Operational*
		075 + Y XXXXXX	*Operational*
		076 + Y XXXXXX	*Operational*
4.	Zanzibar Telecom PLC	*077 + Y XXXXXX*	*Operational*
5.	Airtel Tanzania PLC	*078 + Y XXXXXX*	*Operational*
		068 + Y XXXXXX	*Operational*
		069 + Y XXXXXX	*Operational*
6.	Smile Communications Tanzania Limited	*066 + Y XXXXXX*	*Operational*
7.	Viettel Tanzania PLC	*061 + Y XXXXXX*	*Operational*
		062 + Y XXXXXX	*Operational*
8.	Mkulima African Telecommunication Company Limited	*063 + Y XXXXXX*	*Operational*

S/N	OPERATOR	7-digit Assignments	STATUS
9.	Wiafrica Tanzania Limited	*064 + Y XXXXXX*	*Operational*
10	MO Mobile Holding Limited	*072 + Y XXXXXX*	*Operational*

3.5 Machine to Machine (M2M) Communications Services

Services included are any communications between M2M with minimum or no human intervention in which the use of Mobile Station International Subscriber Directory Number (MSISDN) is required. Numbers are assigned on a 15-digit numbering range so as to ensure availability to meet future needs of this technology.

Table 7: Machine to Machine Access Codes

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

ZZ identifies Operator Networks

XXXXXXX are the seven-digit subscriber (end user) number.

Table 8: Machine to Machine Assignments

S/N	OPERATOR	7-digit Assignments	STATUS
1.	MIC Tanzania PLC	*0300-00-XXXXXXX*	*Operational*
2.	Airtel Tanzania PLC	*0300-01-XXXXXXX*	*Operational*
3.	Viettel Tanzania PLC	*0300-02-XXXXXXX*	*Operational*
4.	Vodacom Tanzania PLC	*0300-03-XXXXXXX*	*Operational*
5.	Zanzibar Telecom PLC	*0300-04-XXXXXXX*	*Operational*

3.6 Other Assignments

Table 9: Identification codes for public cellular networks in the country Mobile Country Code / Mobile Network Code (MCC/MNC) (Assigned in accordance with ITU-T Recommendation E.212)

S/N	OPERATOR	MCC+MNC
1.	MIC Tanzania PLC	640-02
2.	Zanzibar Telecom PLC	640-03

S/N	OPERATOR	MCC+MNC
3.	Vodacom Tanzania PLC	640-04
4.	Airtel Tanzania PLC	640-05
5.	Tanzania Telecommunications Corporation	640-07
6.	Viettel Tanzania PLC	640-09
7.	Smile Communications Tanzania Limited	640-11
8.	Wiafrica Tanzania Limited	640-13
9.	MO Mobile Holding Limited	640-14

Table 10: Issuer Identifier Numbers (IIN)/SIM HEADER assignments for Public Cellular Network in the Country (Assigned in accordance with ITU-T Recommendation E.118)

S/N	OPERATOR	ASSIGENED CODES
1.	MIC Tanzania PLC	89-255-02
2.	Zanzibar Telecom 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.	Viettel Tanzania PLC	89-255-09
7.	Smile Communications Tanzania Limited	89-255-11

Table 11: Data Network Identification Codes (DNIC) for Public Data Networks in Tanzania (Assigned in accordance with ITU-T Recommendation X.121)

S/N	OPERATOR	ASSIGNED CODE
1.	Equant Tanzania Limited	640-1
2.	Satcom Networks Africa Limited	640-5
3.	Simbanet Tanzania Limited	640-6
4.	Smile Communications Tanzania Limited	640-9

Table 12: International Signalling Point Codes (ISPCs) in Tanzania (assigned in accordance with ITU-T Recommendation Q.708)

S/N	EXCHANGE OPERATOR	ASSIGNED ISPC
1.	Tanzania Telecommunications Corporation	6 – 080 – 0
2.	MIC Tanzania PLC	6 – 080 – 2
3.	Zanzibar Telecom PLC	6 – 080 – 3
4.	Vodacom Tanzania PLC	6 – 080 – 4
5.	Airtel Tanzania PLC	6 – 080 – 5

S/N	EXCHANGE OPERATOR	ASSIGNED ISPC
6.	Zanzibar Telecom PLC	6 – 080 – 7
7.	Tanzania Telecommunications Corporation	6 – 081 – 0
8.	Viettel Tanzania PLC	6 – 081 – 1
9.	Vodacom Tanzania PLC	6 – 081 – 3
10.	Viettel Tanzania PLC	6 – 081 – 4
11.	Airtel Tanzania PLC	6 – 081 - 5
12.	Airtel Tanzania PLC	6 – 081 – 6
13.	Airtel Tanzania PLC	6 – 081 – 7
14.	Smile Communications Tanzania Limited	6 – 123 – 0
15.	Wiafrica Tanzania Limited	6 – 123 – 1

Table 13: Corporate Services Type_1

S/N	NUMBER RANGE/CODE	Service Type
1.	040 YY ZZZZZ	SPARE
2.	041 YY ZZZZZ	Voice over IP (VoIP)
3.	(042-049) YY ZZZZZ	SPARE

Table 14: Corporate Services Type_1 – VOICE OVER IP (VoIP)

S/N	NUMBER RANGE/CODE	OPERATOR	STATUS
1.	041 12 ZZZZZ	Simbanet Tanzania Limited	*Operational*
2.	041 15 ZZZZZ	Startel Raha Limited	*Operational*
3.	041 19 ZZZZZ	Tanzania Telecommunications Corporation	*Operational*

3.7 Emergency and Short Code Services

In order to bring the Tanzania Numbering Scheme in line with the International development, the access and short codes to emergency services and to services and facilities offered by Telecommunication operators, the "**1XX**" range is used. The short codes shall be common to all operators in Tanzania. A summary of the applicable short codes and their applications in the New Numbering Scheme is provided below:

Table 15: Customer assistance (free of charge)

S/N	10X 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	Spare	Reserved

Table 16:   Life and safety (free of charge) services

S/N	11X & 19X RANGE	APPLICATION	STATUS
1.	110	Emergency services for Lake Victoria and other water bodies	*Operational*
2.	111	Crime Stoppers	*Operational*
3.	112	Emergency, Police	*Operational*
4.	113	Anti-corruption	*Operational*
5.	114	Fire Services	*Operational*
6.	115	Ambulance Services	Reserved
7.	116	Child Help Line	*Operational*
8.	117	Health Help Line	*Operational*
9.	118	Safety in National Parks and Game Reserves	Reserved
10.	119	Anti-Drugs	Reserved
11.	190	Disaster Services	*Operational*
12.	199	COVID-19 Medical Emergency	*Operational*
13.	191-198	Spare	

NB: All spare codes shall only be used upon TCRA's authorisation

Table 17:   Voice Mail (discounted tariff)

S/N	12X RANGE	APPLICATION
1.	120	Spare
2.	122	Spare
3.	123	Voice Mail Retrieval
4.	124	Indirect Voice Mail Deposit / Retrieval
5.	125	Spare
6.	126	Speaking Clock (Swahili)
7.	127	Speaking Clock (English)
8.	128-129	Spare

In light of the move towards East African integration, the following numbers have been harmonized to facilitate East African Roamers seamlessly use short codes.

Table 18:   East Africa regional common short codes (free)

S/N	1XX RANGE	APPLICATION
1.	Customer Service	100
2.	Recharge	130
3.	Check Balance	131
4.	Surface and Marine Transport Instant Reporting Services	121
5.	Voicemail retrieval	123
6.	Emergency Services for Lake Victoria	110
7.	Emergency, Police	112
8.	Child Help line	116
9.	Carrier selection	17X (18X in reserve)

Table 19:   Extras (standard tariff)

S/N	13X RANGE	APPLICATION
1.	132	Spares
2.	133	Break Down services
3.	134	Yellow pages
4.	135	Directory/Telephone Inquiries
5.	136-139	Spares

Table 20: Test services (free of charge)

S/N	14X RANGE	APPLICATION
1.	140	Test Desk/Report faulty line
2.	141	Test Desk by technician
3.	142	Test phone from subscribers
4.	143	Test Tone
4.	144	Fault reporting on the ICT backbone
5.	145-146	Spares

Table 21: VAS USSD numbering allocation

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

Table 22: VAS SMS numbering assignments

S/N	Number Range	Service Category/Number Assignment
	15X YY	Value Added Service (VAS) Numbering Assignments Where: **X** is the Service Category and **YY** is the operator identification
1.	150 YY	Free Text Codes (e.g. Public services such as AIDS, Health)
2.	151 YY	Financial and Commercial related applications
3.	152 YY	Government Services
4.	153 YY	Standard Rate Codes (e.g. voting, yellow pages; at standard rates up to basic premium rate)
5.	154 YY	Standard Rate services
6.	155 YY	Basic Premium Rate Codes (e.g. Lotto, horoscope, Download of video, Images & Graphics etc.; charged at basic premium rates)
7.	156 YY	Basic premium rate services
8.	157 YY	High Premium Rate Codes (e.g. Mobile Lottery, Gaming; charged the highest rate)
9.	158 YY	Spare for high premium rate codes
10.	159 YY	Reserve

NOTICE ON VAS SHORT CODE USAGE AND ASSIGNMENTS

1. While there is a potential for pricing overlap between certain categories above, the TCRA expects that competitive pressures will in most cases drive operators and content providers to offer their services in the overlapped category that is recognised as having the lowest 'ceiling'.

2. Although the "High Premium" rate codes must be used for services where customer charges are very high, there is conversely no bar on applying lower charges than this for services using the range.

3. The short codes indicated as "spare" for each category will be only opened for use when the corresponding non-reserved codes are near exhaustion. These ranges are provisionally allocated to the categories described in the table but they may be alternatively allocated to the next category below if experience of market demand shows this to be appropriate.

4. On the other hand, the codes shown as "reserve" will be opened for any category should the respective "spare" codes are near exhaustion.

5. The term Free Text is used in this document rather than Free Phone, as the latter is not appropriate for the service being offered.

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

7. The following assignment criteria shall apply:

    i. GOLD, SILVER and BRONZE codes shall be assigned based on the customer's preference as the codes have different registration fees. This will make an applicant aware of a code being paid for.

    ii. Ordinary codes shall be assigned serially with respect to categories as well as availability.

    iii. Assignment to non-TCRA licensees should only be applicable if the applicant requires only one SMS VAS code and one USSD VAS Code. To that effect, the applicant shall submit to the Authority the duly filled application form (form 'G') together with certified copies of company registration certificates, TIN, business license(s) and company's profile.

    iv. In cases that an applicant will require more codes than stated in criteria above, an 'application services license' should be applied prior to assignment of the applied codes.

3.8   Carrier and Pre-selection Codes

The Tanzania Communications Regulatory Authority, recognising the importance of having a stable and forward looking numbering plan in the fully liberalized and converged licensing framework, has opened up a portion of the reserved short codes for carrier selection and carrier pre-selection applications. The codes, which have been opened, are **17X** range with a reserve capacity from **18X** as tabulated below:

Table 23: Carrier and Pre-selection codes

S/N	CODE	DESCRIPTION
1.	17X	Designated for Pre-carrier selection
2.	017X	Designated for Carrier selection
3.	18X	Spare
4.	018X	Spare

3.9   Local Special Services Access Codes

These are services locally available, which are to be accessed by customers/users free of charge, including Credit card calling services.

Table 24: Special services access codes assignments

S/N	800 RANGE	Definition
1	800 1 YY	Prepaid Account Calling (Local Access)
2	800 2 YY	Prepaid Account Calling (Remote Access)
3	800 3 YY	Account Card Calling
4	800 4 YY	Prepaid Card Calling
5	800 5 YY	Credit Card Calling
6	800 (6-9) YY	Spare

3.10   Special, premium rate and multimedia services

These include free-phone (National and Global use), shared cost services, national rate services, special rate services, premium and multimedia services for the voice.

Table 25: Fixed & special rate services numbering assignments

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

Table 26: Local National Toll Free Phone

S/N	0800 YY ZZZZ	Type of service	Operator
1.	0800 11 ZZZZ	Local Toll Free	Tanzania Telecommunications Corporation
2.	0800 12 ZZZZ	Local Toll Free	Zanzibar Telecom PLC
3.	0800 41 ZZZZ	Local Toll Free	Simbanet Tanzania Limited
4.	0800 71 ZZZZ	Local Toll Free	MIC Tanzania PLC
5.	0800 75 ZZZZ	Local Toll Free	Vodacom Tanzania PLC
6.	0800 78 ZZZZ	Local Toll Free	Airtel Tanzania PLC

Table 27: International Toll Numbers (special services)

S/N	0808 YY ZZZZ	Type of service	Operator
1.	0808 11 ZZZZ	International Toll Number	Tanzania Telecommunications Corporation

Table 28: Premium Rate Services Numbering

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

Table 29: Premium Rate Services Numbering Assignments

S/N	090X NUMBER RANGE	Type of Service	Operator
1.	0901 00 ZZZZ	Entertainments Services (Multi-media Services)	Airtel Tanzania PLC
2.	0901 12 ZZZZ	Entertainments Services (Multi-media Services)	Vodacom Tanzania PLC
3.	0901 65 ZZZZ	Entertainments Services (Multi-media Services)	MIC Tanzania PLC
4.	0901 76 ZZZZ	Entertainments Services (Multi-media Services)	Vodacom Tanzania PLC
5.	0901 22 ZZZZ	Entertainments Services (Multi-media Services)	Viettel Tanzania PLC

4.0   FUTURE ASSIGNMENTS

The numbering resources will be assigned on a continuous basis depending on the applications received and emerging new services or operators in accordance with the published APPLICATION GUIDELINES AND FEES FOR NUMBERING RESOURCES.