



Sudan National Numbering Plan And Mobile Number Portability Service

Regional Workshop on Telecom Numbering
Planning and Policies for Arab and Africa
Region

Ramada Plaza
Tunis, Tunisia.
25 April 2018

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Agenda

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Introduction

Telecommunications services are always rely on numbering, in Sudan the implementation of national numbering plan started some decades ago with the expansion of fixed services all over Sudan.

TPRA is trying to follow ITU recommendations and resolutions in numbering issues in order to get the maximum value of numbering resources.





Sudan National Numbering Plan

Historical background

- Established with fixed lines and geographical areas.
- Evolved mid 1990s by adding new geographical areas changing geographical code length and subscriber number length.
- Mobile Numbers were added in 1998 and evolved later by adding service type and later operator identifier.





Sudan National Numbering Plan

Current Status 1

- E-164 Geographic Country Code (CC) (**+249**)
- E-212 Mobile Country Code (MCC) (**634**)
- Mobile service type: **+249 9** , **+249 1**
- Fixed geographical areas (**+249 2** **+249 3** **+249 4**
+249 5 **+249 6** **+249 7** **+249 1**)





Sudan National Numbering Plan

Current Status 2

Mobile service provider	Mobile access code	International dialing format
MTN Sudan	92	+249 92 XXX XXXX
MTN Sudan	99	+249 99 XXX XXXX
MTN Sudan	93	+249 93 0XX XXXX
Zain Sudan	91	+249 91 XXX XXXX
Zain Sudan	90	+249 90 XXX XXXX
Zain Sudan	96	+249 96 XXX XXXX
Sudatel Sudan	12	+249 12 XXX XXXX
Sudatel Sudan	11	+249 11XXX XXXX
Sudatel Sudan	10	+249 10 0XX XXXX





Sudan National Numbering Plan

Current Status 3

Canartel international format +249 15 XXX XXXX

Sudatel geographical codes

Locality	Area code	Locality	Area code
Khartoum North	183	Almanagil	517
Khartoum	185	Alhasahisa	544
Omdurman	187	Aldouim	531
Atbra	211	Sinar	561
Aldamar	216	Kenana	569
Shandi	261	Singa	562
Karima	231	Aldamazeen	551
Dungla	241	Rabak	572
Halfa	251	Kusti	571
Portsudan	311	Alowbied	611
Sawakin	312	Kadugly	631
Medani	511	Neyala	711
Zalniji	714	Alfashir	731
Aljenana	741		





Sudan National Numbering Plan

Current Status 4

- Q- 708 ISPCs (**16**)
- NSPCs (**33**)
- Short Codes:
 - 3 Digits for emergency use (Ambulance, Police, Traffic, ...)
 - 4 Digits for governmental and commercial
 - 5 Digits for small business





Numbering Problems in Sudan

Main Problems:

- Shared code for mobile **+249 11** , **+249 12** **+249100** in Sudatel with fixed code in Canartel **+249 15** and fixed code for Khartoum state in Sudatel **+249183** **+249185** **+249187**
- The high demand of short codes for commercial purposes and ways of follow up to ensure maximum utilization
- The problem of recycled numbers in mobile banking services when the user is changed.





Planned Solutions

- To change the service code 1 with 5 in all fixed numbers started with 1 and then gradually reduce the geographical codes for fixed services (planned in Q3 & Q4 2018)
- To increase short number fees in order to reduce the high demand (implemented partially planned for 2020).
- To set a ceiling for number of SIMs allowed to individuals then changing recycling process in order to keep numbers for “genuine” users meanwhile taking effective measures against numbering misuse. (under discussion).





Mobile Number Portability Service

- The service launched in 11/11/2015 with 3 mobile operators.
- Central system operated by the regulator TPRA.
- All Call Query.
- Recipient driven process.
- One working day maximum for donor to verify MNP request.
- Two working days maximum to complete the process.
- Donor Auto accept is implemented when no answer.





Thank You

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