



GOVERNMENT GAZETTE

OF THE

REPUBLIC OF NAMIBIA

N\$13.80

WINDHOEK - 30 August 2021

No. 7613

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General Notices

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

No. 444 2021

THE FREQUENCY CHANNELING PLAN FOR THE SPECTRUM BANDS 694-790 MHz

The Communications Regulatory Authority of Namibia in terms of section 100 of the Communications Act, 2009 (Act No. 8 of 2009):

- a) Makes the Frequency Channeling Plan for the Spectrum Band 694-790 MHz as set out in the Schedule; and
- b) repeals the Frequency Channeling Plan for the Spectrum Band 694-790 MHz as published in Government Gazette No. 6160, General Notice No. 423 on 28 October 2016.

H. M. GAOMAB II
CHAIRPERSON OF THE BOARD OF DIRECTORS
COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

SCHEDULE

FREQUENCY CHANNELING PLAN FOR THE SPECTRUM BANDS 694-790 MHz

(a) **Background**

The following principles have been considered to define the IMT frequency arrangement:

- i. To facilitated in the implementation of mobile broadband communications for robust and reliable mission critical emergency services for Public Protection and Disaster Relief (PPDR) in accordance with Resolution 646 (WRC-19);
- ii. Spectrum efficiency and high level of flexibility in order to adapt to national circumstances as well as to meet the changing need and demand for capacity in time and geography;
- iii. Protection to broadcasting services below 694 MHz;
- iv. Use of a 5 MHz block approach which is in line with the foreseen mobile systems to be used in the 700 MHz spectrum band; and
- v. Facilitation of roaming and cross-border coordination.

Recommendation ITU-R M.1036-6 as approved by the ITU Radio Assembly provides as follows-

“International Mobile Telecommunications (IMT) encompasses both IMT-2000 and IMT-Advanced collectively.

Key features of IMT-2000 and IMT-Advanced are contained in Recommendation ITU-R M.1645 and ITU-R M-1822. Frequency aspects and unwanted emission parameters are contained in Recommendations ITU-R M.1580, IT-R M.1581, ITU-R M.2070 and ITU-R M.2071.”

Definitions

1. In these regulations, a word or expression to which a meaning is assigned in the Act or the Regulations has the same meaning, and unless the context otherwise indicates

“**Act**” means the Communications Act, 2009 (Act No. 8 of 2009)

“**IMT**” means International Mobile Telecommunications

“**ITU**” means International Telecommunications Union

“**WRC**” means ITU World Radio Conference

Purpose

2. To set out the Frequency Channeling plan for the provision of IMT services in the spectrum bands 694-790 MHz

Frequency channeling arrangement for the 694-790 MHz spectrum band

3. As graphically depicted below, 2x 30 MHz (6 blocks of 5 MHz each) FDD spectrum will be allocated for IMT services. This frequency arrangement was approved by the ITU Radio Assembly as contained in ITU-R M.1036-6 and is shown in Figure 1.

Figure 1**Arrangement A7**

MHz	690	700	710	720	730	740	750	760	770	780	790	800
A7												
	MS Tx						BS Tx					
	703			733			758			788		

4. The allocation for PPDR services in accordance with Resolution 646 (WRC-19) and the SADC Framework for Harmonisation of Radio Frequency Spectrum for Public Protection and Disaster Relief (PPDR)-
- 698 – 703 MHz for Uplink and 753 – 758 MHz for downlink (2x5 MHz); and
 - 733 -736 MHz uplink and 788 – 791 MHz downlink (2x3 MHz) is shown in Figure 2 below:

Figure 2

698-703	703-708	708-713	713-718	718-723	723-728	728-733	733-736	736-753	753-758	758-763	763-768	768-773	773-778	778-783	783-788	788-791
PPDR a) up-link	b)						PPDR c) up-link	PPDR a) down-link	b)						PPDR c) down-link	
	IMT								IMT							
	uplink								downlink							
	(MFCN)								(MFCN)							
5 MHz	30 MHz (6 blocks of 5 MHz)						3 MHz	5 MHz	30 MHz (6 blocks of 5 MHz)						3 MHz	

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

No. 445

2021

AMENDMENT TO REGULATIONS PRESCRIBING THE NATIONAL NUMBERING PLAN FOR USE IN THE PROVISION OF TELECOMMUNICATIONS SERVICES IN THE REPUBLIC OF NAMIBIA, NUMBERING LICENCE FEES AND PROCEDURES FOR NUMBER LICENCES: COMMUNICATIONS ACT, 2009

The Communications Regulatory Authority of Namibia, in terms of Sections 81(5) and 129 of the Communications Act, 2009 (Act No. 8 of 2009), amends the Regulations Prescribing the National Numbering Plan for Use in the Provision of Telecommunications Services in the Republic of Namibia, Numbering Licence Fees and Procedures for Number Licences as published in the Government Gazette No. 5983, General Notice No. 18 dated 01 April 2021 as set out in the Schedule.

H. M. GAOMAB II
CHAIRPERSON
COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA