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| **World Radiocommunication Conference (WRC-19)Sharm el-Sheikh, Egypt, 28 October – 22 November 2019** |  |
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| PLENARY MEETING | **Addendum 3 toDocument 89(Add.13)-E** |
|  | **7 October 2019** |
|  | **Original: English** |
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| Angola (Republic of)/Botswana (Republic of)/Eswatini (Kingdom of)/Lesotho (Kingdom of)/Madagascar (Republic of)/Malawi/Mauritius (Republic of)/Mozambique (Republic of)/Namibia (Republic of)/Democratic Republic of the Congo/Seychelles (Republic of)/South Africa (Republic of)/Tanzania (United Republic of)/Zambia (Republic of)/Zimbabwe (Republic of) |
| Proposals for the work of the conference |
|  |
| Agenda item 1.13 |

1.13 to consider identification of frequency bands for the future development of International Mobile Telecommunications (IMT), including possible additional allocations to the mobile service on a primary basis, in accordance with Resolution **238 (WRC-15)**;

Part 3 – Frequency band 66-71 GHz

Introduction

The above listed Administrations from the Southern African Development Community (SADC) support the identification of IMT in the frequency band 66-71 GHz on a global basis. The use of this band for other services, including services deployed on a licence exempted basis, are acknowledged and such use must continue. SADC Administrations therefore support a new Resolution calling for studies on the coexistence between IMT and Multiple Gigabit Wireless Access (MGWS) and other Wireless Access Systems (WAS). An identification of the band for IMT will indicate the availability of the band for IMT while the Resolution clearly indicates the shared use with the other mobile services. Further, because sharing between mobile and space radiocommunication systems are feasible, there is no need to retain the band 66-71 GHz in No. **5.553** of the Radio Regulations. For the other services, SADC Administrations is of the view that no additional conditions are required.

ARTICLE 5

Frequency allocations

Section IV – Table of Frequency Allocations
(See No. 2.1)

MOD AGL/BOT/SWZ/LSO/MDG/MWI/MAU/MOZ/NMB/COD/SEY/AFS/TZA/ZMB/ZWE/89A13A3/1#49901

66-81 GHz

|  |
| --- |
| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| 66-71 INTER-SATELLITE MOBILE MOD 5.553 5.558 ADD 5.J113b MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.554 |

**Reasons:** SADC Administrations support the identification of the band 66-71 GHz for IMT and the adoption of a new Resolution calling for further studies to ensure coexistence between IMT and MGWS and other WAS. Modification to RR No. **5.553** is also required to delete the band 66-71 GHz from this footnote.

ADD AGL/BOT/SWZ/LSO/MDG/MWI/MAU/MOZ/NMB/COD/SEY/AFS/TZA/ZMB/ZWE/89A13A3/2#49903

5.J113bThe frequency band 66-71 GHz is identified for use by administrations wishing to implement the terrestrial component of International Mobile Telecommunications (IMT). This identification does not preclude the use of this frequency band by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. The use of the frequency band 66-71 GHz by the mobile service is also for the implementation of Multiple Gigabit Wireless Access Systems (MGWS) and other Wireless Access Systems. Resolution **[SADC‑C113‑IMT 66/71 GHZ-J2A option1] (WRC‑19)** applies.     (WRC‑19)

**Reasons:** SADC Administrations support the identification of the band 66-71 GHz for IMT through a new footnote (No. **5.J113b**) and the adoption of a new Resolution on the use of this band. SADC Administrations support the use of the band 66-71 GHz for IMT and MGWS and other WAS.

MOD AGL/BOT/SWZ/LSO/MDG/MWI/MAU/MOZ/NMB/COD/SEY/AFS/TZA/ZMB/ZWE/89A13A3/3#49906

5.553In the band 43.5-47 GHz, stations in the land mobile service may be operated subject to not causing harmful interference to the space radiocommunication services to which this band is allocated (see No. **5.43**).     (WRC‑19)

**Reasons:** SADC Administrations supports modifying RR footnote No. **5.553** to remove the frequency band 66-71 GHz from the footnote as sharing studies indicated large protection margins with space radiocommunication services.

ADD AGL/BOT/SWZ/LSO/MDG/MWI/MAU/MOZ/NMB/COD/SEY/AFS/TZA/ZMB/ZWE/89A13A3/4#49928

DRAFT NEW RESOLUTION [SADC-C113-IMT 66/71 GHZ-J2A option1] (WRC‑19)

Use of the band 66-71 GHz for International Mobile Telecommunications (IMT) and measures for coexistence with Multiple Gigabit Wireless Systems (MGWS) and other Wireless Access Systems (WAS)

The World Radiocommunication Conference (Sharm el-Sheikh, 2019),

considering

*a)* that International Mobile Telecommunications (IMT), including IMT-2000, IMT-Advanced and IMT‑2020, is intended to provide telecommunication services on a worldwide scale regardless of location and type of network or terminal;

*b)* that the evolution of IMT is being studied within ITU‑R;

*c)* that harmonized worldwide bands and harmonized frequency arrangements for IMT and MGWS/other WAS are highly desirable in order to achieve global roaming and the benefits of economies of scale;

*d)* that adequate and timely availability of spectrum and supporting regulatory provisions are essential to realize the objectives in Recommendation ITU‑R M.2083;

*e)* that IMT systems are envisaged to provide increased peak data rates and capacity that may require a larger bandwidth;

*f)* that IMT and MGWS/other WAS are intended to provide telecommunication services on a worldwide scale;

*g)* that the lower adjacent band, 57-66 GHz, is used for MGWS/other WAS,

noting

*a)* Resolutions **223 (Rev.WRC‑15)**, **224 (Rev.WRC‑15)** and **225 (Rev.WRC‑12)**, which also relate to IMT;

*b)* that Recommendation ITU**‑**R M.2083 provides IMT Vision – “Framework and overall objectives of the future development of IMT for 2020 and beyond”;

*c)* Recommendation ITU‑R M.2003‑2 on Multiple Gigabit Wireless Systems in frequencies around 60 GHz;

*d)* that Multiple Gigabit Wireless Systems (MGWS) are widely used for fixed, semi-fixed (transportable) and portable mobile devices for a variety of broadband applications;

*e)* Report ITU‑R M.2227‑2 on use of Multiple Gigabit Wireless Systems in frequencies around 60 GHz,

recognizing

that the identification of a frequency band for IMT does not establish priority in the Radio Regulations and does not preclude the use of the frequency band by any application of the services to which it is allocated,

resolves

that administrations wishing to implement IMT in the frequency band 66-71 GHz under the provisions in No. **5.J113b**, who have implemented or are wishing to implement MGWS and other WAS in the same frequency band, consider coexistence between them taking into account the relevant ITU‑R Reports and Recommendations (see *invites ITU-R* 2),

invites ITU‑R

1 to develop harmonized frequency arrangements to facilitate IMT deployment in the frequency band 66-71 GHz;

2 to develop ITU‑R Recommendations and Reports that will assist administrations in ensuring that applications and services in the band 66-71 GHz can utilize the band efficiently including the development of appropriate coexistence techniques between IMT and WAS where needed.

**Reasons:** SADC Administrations support the new Resolution to address the sharing between IMT and MGWS and other WAS in the band 66-71 GHz.

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