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| **World Radiocommunication Conference (WRC-15)Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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| PLENARY MEETING | **Addendum 12 toDocument 85-E** |
|  | **16 October 2015** |
|  | **Original: English** |
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| Burundi (Republic of), Kenya (Republic of), Uganda (Republic of),Rwanda (Republic of), Tanzania (United Republic of) |
| Proposals for the work of the conference |
|  |
| Agenda item 1.12 |

1.12to consider an extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300-9 900 MHz by up to 600 MHz within the frequency bands 8 700-9 300 MHz and/or 9 900-10 500 MHz, in accordance with Resolution  **651 (WRC‑12)**;

Introduction

The growing demand for higher resolution radar images to satisfy global environmental monitoring raises the need to further increase the bandwidth used for linear FM chirp radar transmission of the next generation of EESS SAR.

Resolution 651 (WRC-12) invites ITU-R to conduct and complete compatibility studies addressing EESS (active) and existing services in the frequency bands 8 700-9 300 MHz and 9 900-10 500 MHz, and unwanted emissions from stations operating in the EESS (active) in these frequency bands into stations operating in the frequency bands 8 400-8 500 MHz and 10.6‑10.7 GHz.

The proposed bands are mostly allocated to Radiolocation Services in EACO member countries (BDI/KEN/UGA/RRW/TZA).

EACO member countries support Method B1proposed in the CPM Report.

Proposal

BDI/KEN/UGA/RRW/TZA (EACO member countries) propose the following on WRC-15 agenda item 1.12.

ARTICLE 5

Frequency allocations

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

MOD BDI/KEN/UGA/RRW/TZA/85A12/1

8 500-10 000 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| 9 200-9 300 EARTH EXPLORATION-SATELLITE (active) ADD 5.A112 RADIOLOCATION MARITIME RADIONAVIGATION 5.472 5.473 5.474 ADD 5.B112 ADD 5.C112 ADD 5.D112 |
| ... |
| 9 900-10 000 EARTH EXPLORATION-SATELLITE (active) ADD 5.A112 RADIOLOCATION Fixed 5.477 5.478 5.479 ADD 5.C112 ADD 5.E112 |

**Reasons:** Provides an additional 600 MHz allocation to theEESS (active) for high resolution SARs as requested by Resolution 651 (WRC-12) and justified in Report ITU-R RS.2274.

MOD BDI/KEN/UGA/RRW/TZA/85A12/2

10-11.7 GHz

|  |
| --- |
| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| 10-10.4EARTH EXPLORATION- SATELLITE (active) ADD 5.A112FIXEDMOBILERADIOLOCATIONAmateur | 10-10.4EARTH EXPLORATION- SATELLITE (active) ADD 5.A112RADIOLOCATIONAmateur | 10-10.4EARTH EXPLORATION- SATELLITE (active) ADD 5.A112FIXEDMOBILERADIOLOCATIONAmateur |
| 5.479 ADD 5.C112 ADD 5.E112 | 5.479 5.480 ADD 5.C112 ADD 5.E112 | 5.479 ADD 5.C112 ADD 5.E112 |
| 10.4-10.45FIXEDMOBILERADIOLOCATIONAmateur | 10.4-10.45RADIOLOCATIONAmateur | 10.4-10.45FIXEDMOBILERADIOLOCATIONAmateur |
| 5.479 | 5.479 5.480 | 5.479 |

**Reasons:** Provides an additional 600 MHz allocation to theEESS (active) for high resolution SARs as requested by Resolution 651 (WRC-12) and justified in Report ITU-R RS.2274.

ADD BDI/KEN/UGA/RRW/TZA/85A12/3

5.A112 The use of the frequency bands 9 200-9 300 MHz and 9 900-10 400 MHz by the Earth exploration-satellite (active) service is limited to systems requiring a necessary bandwidth greater than 600 MHz that cannot be fully accommodated within the 9 300-9 900 MHz frequency band.     (WRC‑15)

**Reasons:** To limit the number of systems as well as the duration of transmission of SAR systems in the extension frequency band.

ADD BDI/KEN/UGA/RRW/TZA/85A12/4

5.B112 In the frequency band 9 200-9 300 MHz, stations in the Earth exploration-satellite (active) service shall not cause harmful interference to, nor claim protection from, stations of theradionavigation and radiolocationservices.     (WRC‑15)

ADD BDI/KEN/UGA/RRW/TZA/85A12/5

5.C112 Space stations operating in the Earth exploration-satellite (active) service shall comply with Recommendation ITU‑R RS.2066‑0.     (WRC‑15)

**Reasons:** It ensures protection of RAS stations in the frequency band 10.6-10.7 GHz.

ADD BDI/KEN/UGA/RRW/TZA/85A12/6

5.D112 Space stations operating in the Earth exploration-satellite (active) service shall comply with Recommendation ITU‑R RS.2065‑0.     (WRC‑15)

**Reasons:** It ensures protection of SRS systems in the frequency band 8 400-8 500 MHz.

ADD BDI/KEN/UGA/RRW/TZA/85A12/7

5.E112 In the frequency band 9 900-10 400 MHz, stations in the Earth exploration-satellite (active) service shall not cause harmful interference to, nor claim protection from, stations of the radiolocation service.     (WRC‑15)

**Reasons:** The EESS (active) primary allocation is made secondary with regard to the RLS allocations in these frequency bands, to ensure protection of stations of these services from harmful interference.

SUP BDI/KEN/UGA/RRW/TZA/85A12/8

RESOLUTION 651 (WRC‑12)

Possible extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300-9 900 MHz by up to 600 MHz within the frequency bands 8 700-9 300 MHz
and/or 9 900-10 500 MHz

**Reasons:** The extension by 600 MHz has been approved by WRC-15.

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