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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
|  |  |
| PLENARY MEETING | **Addendum 1 to Document 62(Add.6)-E** |
|  | **16 October 2015** |
|  | **Original: Chinese** |
|  | |
| China (People's Republic of) | |
| Proposals for the work of the conference | |
|  | |
| Agenda item 1.6.1 | |

1.6 to consider possible additional primary allocations:

1.6.1 to the fixed-satellite service (Earth-to-space and space-to-Earth) of 250 MHz in the range between 10 GHz and 17 GHz in Region 1;

and review the regulatory provisions on the current allocations to the fixed-satellite service within each range, taking into account the results of ITU‑R studies, in accordance with Resolutions **151 (WRC‑12)** and **152 (WRC‑12)**, respectively;

Introduction

China supports no change (NOC) to the frequency bands 10-10.7GHz and 14.8-15.35 GHz.

China does not support the additional allocation to the FSS (Earth-to-space) in Region 1 in the frequency band 13.25-13.75GHz.

Only when the protection of EESS (active) is ensured will China not oppose the additional allocation to the FSS (space-to-Earth) in Region 1 in the band 13.4-13.65 GHz.

On the condition that protection of the AP30A Plan and List is ensured, additional primary allocations to FSS (Earth-to-space) that are not limited to BSS feeder links in the band 14.5-14.8 GHz in Region 1 are acceptable. More consideration needs to be given to the appropriate measures regarding the relevant RR Articles and Appendix 30A so as to ensure the integrity and full protection of the AP30A Plan and List.

Proposals

ARTICLE 5

Frequency allocations

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

NOC CHN/62A6A1/1

10-11.7 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 10-10.45  FIXED  MOBILE  RADIOLOCATION  Amateur | 10-10.45  RADIOLOCATION  Amateur | 10-10.45  FIXED  MOBILE  RADIOLOCATION  Amateur |
| 5.479 | 5.479 5.480 | 5.479 |
| 10.45-10.5 RADIOLOCATION  Amateur  Amateur-satellite  5.481 | | |
| 10.5-10.55  FIXED  MOBILE  Radiolocation | 10.5-10.55  FIXED  MOBILE  RADIOLOCATION | |
| 10.55-10.6 FIXED  MOBILE except aeronautical mobile  Radiolocation | | |
| 10.6-10.68 EARTH EXPLORATION-SATELLITE (passive)  FIXED  MOBILE except aeronautical mobile  RADIO ASTRONOMY  SPACE RESEARCH (passive)  Radiolocation  5.149 5.482 5.482A | | |
| 10.68-10.7 EARTH EXPLORATION-SATELLITE (passive)  RADIO ASTRONOMY  SPACE RESEARCH (passive)  5.340 5.483 | | |

**Reasons:** No change in the band 10-10.7 GHz due to incompatibility with existing services.

NOC CHN/62A6A1/2

11.7-14 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 13.25-13.4 EARTH EXPLORATION-SATELLITE (active)  AERONAUTICAL RADIONAVIGATION 5.497  SPACE RESEARCH (active)  5.498A 5.499 | | |
| 13.4-13.75 EARTH EXPLORATION-SATELLITE (active)  RADIOLOCATION  SPACE RESEARCH 5.501A  Standard frequency and time signal-satellite (Earth-to-space)  5.499 5.500 5.501 5.501B | | |

**Reasons:** No additional allocation to the FSS (Earth-to-space) should be made in the band 13.25-13.75 GHz for Region 1 due to incompatibility with existing services.

MOD CHN/62A6A1/3

11.7-14 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 13.4-13.65  EARTH EXPLORATION-SATELLITE (active)  FIXED-SATELLITE (space-to-Earth) ADD 5.C161*bis*  RADIOLOCATION  SPACE RESEARCH 5.501A  Standard frequency and time signal-satellite (Earth-to-space)  5.499 5.500 5.501 5.501B | 13.4-13.65  EARTH EXPLORATION-SATELLITE (active)  RADIOLOCATION  SPACE RESEARCH 5.501A  Standard frequency and time signal-satellite (Earth-to-space)  5.499 5.500 5.501 5.501B | |
| 13.65-13.75 EARTH EXPLORATION-SATELLITE (active)  RADIOLOCATION  SPACE RESEARCH 5.501A  Standard frequency and time signal-satellite (Earth-to-space)  5.499 5.500 5.501 5.501B | | |

**Reasons:** If an additional primary allocation to FSS (space-to-Earth) is made in the band 13.4-13.65 GHz, a footnote should be added to protect EESS (active).

NOTE – If an additional primary allocation to FSS (space-to-Earth) is made in the band 13.4-13.65 GHz, other footnotes also need to be added. China proposes only the footnote protecting EESS (active).

ADD CHN/62A6A1/4

5.C161*bis* In the band 13.40-13.65 GHz, geostationary-satellite networks in the fixed-satellite service (space-to-Earth) shall not claim protection from space stations in the Earth exploration-satellite service (active) operating in accordance with these Regulations. No. **22.2** does not apply.     (WRC‑15)

**Reasons:** If an additional primary allocation to FSS (space-to-Earth) is made in the band 13.4-13.65 GHz, this footnote should be added to protect EESS (active).

NOC CHN/62A6A1/5

14-15.4 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 14.8-15.35 FIXED  MOBILE  Space research  5.339 | | |

**Reasons:** No change in the band 14.8-15.35 GHz due to difficulty in implementing FSS in this band.

ARTICLE 21

Terrestrial and space services sharing frequency bands above 1 GHz

Section V − Limits of power flux-density from space stations

MOD CHN/62A6A1/6

TABLE **21-4**  (*continued*)     (Rev.WRC‑15)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Frequency band | Service\* | Limit in dB(W/m2) for angles of arrival (δ) above the horizontal plane | | | | | | | Reference bandwidth |
| 0°-5° | | 5°-25° | | | 25°-90° | |
| 12.2-12.75 GHz 7 (Region 3)  12.5‑12.75 GHz 7 (Region 1 countries listed in Nos. 5.494 and 5.496) | Fixed-satellite (space-to-Earth) (geostationary-satellite orbit) | −148 | | −148 + 0.5(δ − 5) | | | −138 | | 4 kHz |
| 13.4-13.65 GHz (Region 1) | Fixed-satellite (space-to-Earth) (geostationary-satellite orbit) | **0°-0.6°** | **0.6°-1.25°** | | **1.25°-21.25°** | **21.25°-70°** | | **70°-90°** | 1 MHz |
| −137.5 | −136.5 | | −130.5 | −127.5 | | −129 |

**Reasons:** If an additional primary allocation to FSS (space-to-Earth) is made in the band 13.4-13.65 GHz, pfd limits on FSS (space-to-Earth) will be needed to protect EESS (active).

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