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| **Agenda item: PL 2** | **Document C23/58-E** |
| **7 June 2023** |
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| Report by the Secretary-General | |
| ITU'S ROLE IN THE IMPLEMENTATION OF THE "SPACE2030" AGENDA: SPACE AS A DRIVER OF SUSTAINABLE DEVELOPMENT, AND ITS FOLLOW-UP AND REVIEW PROCESS | |
| **Purpose**  This contribution fulfils the reporting requirements established by Resolution 218 (Bucharest, 2022) of the Plenipotentiary Conference on the ITU’s implementation of the “Space 2030” Agenda.  **Action required by the Council**  Council is invited **to note** this report.  **Relevant link(s) with the Strategic Plan**  §2.6 of Annex 1 to Resolution 71 (Rev. Bucharest, 2022)  **Financial implications**  None  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **References**  [*Resolution 218*](https://www.itu.int/en/council/Documents/basic-texts-2023/RES-218-E.pdf) *(Bucharest, 2022) of the Plenipotentiary Conference* | |

#### Background

#### The United Nations Office for Outer Space Affairs (UNOOSA) is the United Nations office responsible for promoting international cooperation in the peaceful uses of outer space. UNOOSA serves as the secretariat for the General Assembly's only committee dealing exclusively with international cooperation in the peaceful uses of outer space: the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS). The “Space 2030” Agenda was developed by COPUOS as a step to changing how space is considered in the UN system. In the “Space 2030” Agenda, Member States laid out a vision to enhance the use of space science and technology for the attainment of the 2030 Sustainable Development Agenda.

#### During its seventy-sixth session in October 2021, the United Nations General Assembly adopted the Space2030 Agenda: space as a driver of sustainable development with four overarching objectives:

#### Enhance space-derived economic benefits and strengthen the role of the space sector as a major driver of sustainable development;

#### Harness the potential of space to solve everyday challenges and leverage space-related innovation to improve the quality of life;

#### Improve access to space for all and ensure that all countries can benefit socioeconomically from space science and technology applications and space-based data, information and products, thereby supporting the achievement of the Sustainable Development Goals; and

#### Build partnerships and strengthen international cooperation in the peaceful uses of outer space and in the global governance of outer space activities.

#### For its implementation, the “Space 2030” Agenda calls on Member States to contribute via partnerships, tools and resources.

#### Although UNOOSA is the lead UN agency for coordinating the implementation of the “Space 2030” Agenda, the 2022 ITU Plenipotentiary Conference (PP-22) recognized that ITU has an essential role in achieving its objectives. As such, PP-22 adopted Resolution 218 (Bucharest,2022) which *resolved*,

#### that ITU should support the implementation of the "Space2030" Agenda, especially the parts relevant to space services of overarching objective 3 referred to in recalling b) above, taking into account the unique role of ITU with respect to access to the radio-frequency spectrum and associated satellite orbits, consistent with Article 44 of the Constitution;

#### that the implementation of resolves 1 above should leverage the involvement of the ITU regional presence and pay particular attention to developing countries, LDCs, SIDS and LLDCs;

#### that BR and the Telecommunication Development Bureau continue to assist developing countries, LDCs, SIDS and LLDCs in accessing the radio-frequency spectrum and associated satellite orbits, in particular in order to achieve the objectives of the "Space2030" Agenda,

#### Reporting on ITU Implementation of the Space 2030 Agenda

#### Resolution 218 (Bucharest, 2022) instructed the ITU Secretary-General and the Directors of the Bureaux to, *inter alia*:

#### To provide annually to the ITU Council a comprehensive report on the status of the plans governed by Appendices 30, 30A and 30B to the Radio Regulations, highlighting the situation of developing countries and any challenges related to the implementation of those plans, such as the evolution of reference situations of the various frequency assignments and allotments, including any difficulties and problems encountered by BR in the implementation of these plans and problems reported to BR by administrations; *(instructs 2)*

#### To provide annually to the Council a report on the role of ITU in the implementation of the "Space2030" Agenda; *(instructs 3)*

#### To report to the Council on sessions of the United Nations Inter-Agency Meeting on Outer Space Activities (UN-Space) and the measures being implemented in promoting synergies and avoiding duplication of efforts related to the use of space technology, *(instructs 8)*

#### The reports on each of the above matters are presented in Annexes 1, 2 and 3 of this contribution, respectively.

#### Action required by the Council

#### Council is invited to note these reports.

#### *Annexes: 3*

Annex 1

Status of the Plans governed by Appendices 30, 30A and 30B to the Radio Regulations

#### Introduction

Resolution 218 “*ITU's role in the implementation of the ''Space2030'' Agenda: space as a driver of sustainable development, and its follow-up and review process*” instructs the Secretary-General and the Directors of the Bureaux “to provide annually to the ITU Council a comprehensive report on the status of the plans governed by Appendices **30**, **30A** and **30B** to the Radio Regulations, highlighting the situation of developing countries and any challenges related to the implementation of those plans, such as the evolution of reference situations of the various frequency assignments and allotments, including any difficulties and problems encountered by BR in the implementation of these plans and problems reported to BR by administrations” (see *instructs 2*).

This report summarizes the status of the Space Plans as of the end of April 2023 and provides information on other related issues. It is divided into two parts: Part I reports on the broadcasting-satellite service and associated feeder link Plans in Appendices **30** and **30A.** Part II reports on the status of the fixed-satellite service Plan in Appendix **30B**.

## Part I – Broadcasting-satellite service and associated feeder link Plans in Appendices 30 and 30A of the Radio Regulations

### 1. Status of the Plans governed by Appendices 30 and 30A in Regions 1 and 3

### Overview

The Plan of Appendix **30** in Regions 1 and 3 is a Plan for the Broadcasting-satellite service (BSS) in the frequency bands 11.7 -12.2 GHz in Region 3 and 11.7-12.5 GHz in Region 1. The Plan of Appendix **30A** in Regions 1 and 3 is a Plan for BSS feeder links in the frequency bands 17.3 -18.1 GHz in Regions 1 and 3 and 14.5-14.8 GHz for countries outside Europe.

WRC-2000 successfully completed a replanning of the Appendices **30** and **30A** Plans in Regions 1 and 3. Since then, more and more assignments for additional uses have entered the Lists of these Appendices by relying on increased application of “implicit agreement”. As a result, the reference situations (EPM – Equivalent Protection Margin) of most Regions 1 & 3 Plan assignments have been degrading over time.

WRC-19 adopted Resolution **559 (WRC-19)** to provide some Administrations of Regions 1 and 3 with the possibility to submit new frequency assignments to replace their degraded national frequency assignments in the Appendices **30** and **30A** Plans. A total of 45 eligible Administrations sent their requests under Resolution 559 and 41 Administrations have successfully entered their new assignments in the Lists of Appendices **30** and **30A**.

**1.2. Reference situation of the planned national assignments**

Tables 1 and 2 below indicate the changes in the reference situation of the Regions 1 and 3 Plan assignments as established by WRC-2000 and at the time of BR IFIC 2995 of 2 May 2023. The changes are reflected in the range of the minimum and maximum values of EPM per Administration.

Table 1

Change in EPM values for assignments in the Regions 1 and 3 BSS Plan (downlink)

|  |  | **WRC-2000** | | **As of**  **02 May 2023** | |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Administration** | **Orbital Position (⁰E)** | **Minimum**  **EPM (dB)** | **Maximum**  **EPM(dB)** | **Minimum**  **EPM (dB)** | **Maximum**  **EPM(dB)** | **Note** |
| AFG | 50 | -0.5 | 5.68 | -14.27 | -4.71 |  |
| AFS | 4.8 | 4.54 | 10.68 | -18.79 | -16.60 |  |
| AGL | -24.8 | 3.62 | 6.34 | 0.32 | 2.98 |  |
| ALB | 62 | 8.55 | 36.43 | -21.38 | -17.80 |  |
| ALG | -24.8 | -0.81 | 15.19 | -1.77 | 6.68 |  |
| AND | -37 | 0.28 | 0.9 | -0.24 | 0.59 |  |
| ARM | 22.8 | 0.43 | 5.42 | -18.41 | -12.68 |  |
| ARS | 17 | -0.39 | 10.31 | -21.38 | 1.39 |  |
| AUS | 152 | 4.32 | 21.48 | 0.87 | 10.74 |  |
| AUS | 164 | 3.56 | 20.23 | 3.68 | 19.61 | 1 |
| AUT | -18.8 | -0.08 | 3.42 | -0.28 | 3.14 |  |
| AZE | 23.2 | -0.05 | 7.7 | -18.84 | -15.26 |  |
| BDI | 11 | 3.03 | 6.26 | -17.72 | -15.37 |  |
| BEL | 38.2 | 1.73 | 5.78 | -19.40 | -16.75 |  |
| BEN | -19.2 | 2.61 | 6.07 | 1.65 | 15.24 |  |
| BFA | -30 | 1.5 | 5.68 | -2.41 | 4.40 |  |
| BGD | 74 | 4.13 | 16.95 | 0.07 | 4.64 |  |
| BHR | 34 | 0.85 | 9.24 | -7.07 | -6.24 |  |
| BIH | 56 | 5.88 | 8.43 | -21.23 | -17.70 |  |
| BLR | 37.8 | 1.33 | 5.39 | -11.92 | -6.79 |  |
| BOT | -0.8 | 0.85 | 4.29 | -19.85 | -17.11 |  |
| BRM | 104 | -0.08 | 8.38 | -12.31 | 1.15 |  |
| BRU | 74 | 4.48 | 7.03 | -17.26 | -16.18 |  |
| BTN | 86 | 8.87 | 14.55 | -9.45 | -6.07 |  |
| BUL | 1.9 | -0.4 | 1.6 | -18.53 | -13.79 | 2 |
| CAF | -13.2 | 1.35 | 7.3 | -11.46 | 1.38 |  |
| CBG | 86 | 9.65 | 13.31 | -9.78 | -1.97 |  |
| CHN | 62 | 1.46 | 13.92 | -3.62 | 0.14 |  |
| CHN | 92.2 | 1.51 | 16.39 | -0.80 | 9.54 |  |
| CHN | 122 | -0.04 | 3.9 | -0.77 | 2.68 |  |
| CHN | 134 | -1 | 5.51 | 6.99 | 21.08 | 1 |
| CLN | 50 | 0.52 | 3.81 | -14.31 | -4.43 |  |
| CME | -13 | 0.44 | 2.47 | -11.28 | -1.12 |  |
| COD | -19.2 | 4.72 | 9.75 | -5.49 | 6.44 |  |
| COG | -13.2 | 0.66 | 5.26 | -13.93 | 3.35 |  |
| COM | 29 | 9.52 | 12.61 | -18.73 | -16.71 |  |
| CPV | -33.5 | 8.8 | 12.25 | -2.46 | 0.31 |  |
| CTI | -24.8 | 2.87 | 4.63 | 1.18 | 3.37 |  |
| CVA | -1.2 | -0.81 | 5.21 | -21.66 | -16.38 |  |
| CYP | -1.2 | -0.04 | 3.38 | -0.51 | 1.88 |  |
| CZE | -12.8 | -0.94 | 5.51 | -1.59 | 4.04 |  |
| D | -18.8 | -0.18 | 3.71 | -0.64 | 2.75 |  |
| DJI | 16.8 | 6.71 | 10.03 | -21.62 | -20.62 |  |
| DNK | -33.5 | -0.92 | 8.3 | -21.62 | 1.14 |  |
| DNK | -25.2 | -1.49 | 7.4 | -1.95 | 6.48 |  |
| E | -30 | -0.97 | 11.58 | -2.84 | 10.15 |  |
| EGY | -7 | 5.89 | 24.08 | 1.25 | 5.45 |  |
| ERI | 22.8 | 2.32 | 7.03 | -3.57 | -0.49 |  |
| EST | 44.5 | 5.62 | 10.93 | -10.03 | -5.36 |  |
| ETH | 36 | 11.83 | 13.94 | -18.27 | -16.58 |  |
| F | -160 | 99.9 | 99.9 | 99.90 | 99.90 |  |
| F | -7 | 4.31 | 18.2 | -15.36 | 6.42 |  |
| F | 140 | 4.22 | 8.71 | 3.55 | 7.35 |  |
| FIN | 22.8 | -0.54 | 9.86 | -14.15 | 0.99 |  |
| FJI | -178 | 6.05 | 6.88 | 6.05 | 6.88 |  |
| FSM | 158 | 14.56 | 26.62 | -5.62 | 8.25 |  |
| G | -33.5 | -0.11 | 6.27 | -0.74 | 3.15 |  |
| GAB | -13.2 | -0.02 | 3.18 | -13.71 | 2.43 |  |
| GEO | 23.2 | 4.07 | 14.75 | -18.73 | -7.32 |  |
| GHA | -25 | 4.73 | 11.25 | -6.11 | 9.39 |  |
| GMB | -37.2 | 1.88 | 7.31 | 0.17 | 3.87 |  |
| GNB | -30 | 0.03 | 5.81 | -6.26 | -0.32 |  |
| GNE | -18.8 | 1.44 | 3.89 | 1.20 | 3.62 |  |
| GRC | -1.2 | -0.43 | 6.22 | -23.12 | -0.69 |  |
| GUI | -37 | 0.88 | 3.61 | 0.53 | 3.11 |  |
| HNG | -12.8 | -0.44 | 5.97 | -1.13 | 3.60 |  |
| HOL | 38.2 | 1.6 | 4.65 | -3.63 | -1.20 |  |
| HRV | -12.8 | -0.94 | 5.49 | -1.60 | 4.00 |  |
| I | 9 | -3.8 | -0.25 | -5.58 | -3.52 |  |
| IND | 55.8 | 2.14 | 13.41 | -2.85 | 1.89 |  |
| IND | 68 | 4.51 | 13.41 | -1.03 | 5.39 |  |
| INS | 80.2 | 9.73 | 37 | 3.15 | 9.77 |  |
| INS | 104 | 4.07 | 15.18 | -3.88 | 1.11 |  |
| IRL | -37.2 | 0.55 | 5.04 | 0.63 | 4.98 | 1 |
| IRN | 34 | 0.93 | 14.33 | -1.08 | 3.43 |  |
| IRQ | 50 | 3.64 | 6.52 | -15.82 | -7.21 |  |
| ISL | -33.5 | 0.08 | 23.48 | -1.72 | 13.89 |  |
| ISR | -4 | 3.02 | 11.83 | -5.65 | -1.08 |  |
| J | 109.85 | 4.04 | 21.59 | -1.29 | 5.37 |  |
| J | 110 | 3.11 | 22.67 | -1.20 | 4.45 |  |
| JOR | 11 | -0.98 | 4 | -2.47 | 0.60 |  |
| KAZ | 56.4 | 1.32 | 12.04 | -1.72 | 2.67 |  |
| KEN | -0.8 | 2.78 | 5.35 | -15.42 | -12.63 |  |
| KGZ | 50 | 0.54 | 2.61 | -1.24 | 1.10 |  |
| KIR | 176 | 10.5 | 24.17 | 10.73 | 28.04 | 1 |
| KOR | 116 | -1.21 | 8.3 | -1.74 | 6.20 |  |
| KRE | 140 | 13.97 | 18.21 | -0.87 | 1.98 |  |
| KWT | 11 | 5.39 | 8.02 | -1.50 | 5.05 |  |
| LAO | 122.2 | -1.82 | 3.04 | -22.99 | -20.71 |  |
| LBN | 11 | -0.62 | 5.47 | -2.10 | 1.88 |  |
| LBR | -33.5 | 0.36 | 7.77 | -0.35 | 4.20 |  |
| LBY | -24.8 | 2.4 | 6.75 | 0.35 | 4.40 |  |
| LIE | -18.8 | 0.39 | 6.71 | 0.33 | 5.88 |  |
| LSO | 4.8 | 2.89 | 7.79 | -19.04 | -15.71 |  |
| LTU | 23.2 | -0.19 | 4.85 | -1.77 | 2.38 |  |
| LUX | 28.2 | 2.76 | 8.01 | -5.25 | -3.00 |  |
| LVA | 23.2 | -0.94 | 3 | -15.04 | 0.86 |  |
| MAU | 29 | 11.03 | 16.55 | -19.56 | -14.07 |  |
| MCO | 34.2 | -0.97 | 4.44 | -10.61 | -4.89 |  |
| MDA | 50 | 0.66 | 4.53 | -12.44 | -6.37 |  |
| MDG | 29 | 13.19 | 16.18 | -19.07 | -16.05 |  |
| MHL | 146 | 25.07 | 29.09 | 9.39 | 12.62 |  |
| MKD | 22.8 | 3.24 | 4.49 | -17.83 | -16.51 |  |
| MLA | 91.5 | 0.77 | 8.82 | -3.99 | 3.44 |  |
| MLD | 50 | 4.3 | 11.26 | -12.60 | 0.86 |  |
| MLI | -19.2 | 4.61 | 8.59 | 3.22 | 6.93 |  |
| MLT | 22.8 | 1.72 | 3.38 | -18.61 | -17.87 |  |
| MNG | 74 | 6.62 | 99.9 | -18.11 | -14.14 |  |
| MOZ | -1 | 2.76 | 10.25 | -19.19 | -18.15 |  |
| MRC | -25.2 | -0.36 | 4.14 | -0.92 | 2.61 |  |
| MTN | -36.8 | 1.05 | 14.93 | -0.63 | 2.54 |  |
| MWI | 4.8 | 3.24 | 8.89 | -18.49 | -17.83 |  |
| NGR | -37.2 | 6.84 | 11.59 | 1.68 | 6.87 |  |
| NIG | -19.2 | 3.52 | 9.16 | 2.27 | 7.82 |  |
| NMB | -18.8 | 8.64 | 13.58 | 4.20 | 8.59 |  |
| NOR | -0.8 | -0.74 | 9.03 | -0.45 | 3.27 | 1 |
| NPL | 50 | 2.24 | 6 | -12.90 | -2.32 |  |
| NRU | 134 | 7.32 | 14 | 6.48 | 13.65 |  |
| NZL | 158 | 8.46 | 19.42 | 1.96 | 11.59 |  |
| OMA | 17.2 | 0.85 | 4.25 | -9.66 | 2.63 |  |
| PAK | 38.2 | 2.01 | 7.3 | -1.07 | 2.22 |  |
| PHL | 98 | 2.32 | 8.89 | -7.73 | 2.83 |  |
| PLW | 140 | 11.17 | 13.47 | 6.98 | 9.77 |  |
| PNG | 134 | 6.39 | 9.84 | 5.10 | 8.58 |  |
| POL | 50 | 2.36 | 8.14 | -11.98 | -6.60 |  |
| POR | -37 | 1.1 | 10.45 | 0.69 | 9.28 |  |
| PSE | -13.2 | 4.83 | 5.95 | -8.75 | -0.41 |  |
| QAT | 20 | 5.84 | 7.11 | -11.25 | -10.07 |  |
| ROU | 50 | 3.87 | 6.13 | -13.44 | -6.99 |  |
| RRW | 11 | 5.67 | 12.09 | -16.62 | -14.92 |  |
| RUS | 86 | 5.51 | 99.9 | 0.87 | 17.42 |  |
| RUS | 110 | 13.21 | 99.9 | 2.78 | 7.42 |  |
| RUS | 36 | -4.33 | 10.58 | -14.18 | -1.58 |  |
| RUS | 56 | 3.46 | 28.47 | -12.71 | 1.99 |  |
| RUS | 140 | 15.77 | 99.9 | 2.36 | 99.90 |  |
| S | 5 | -0.36 | 13.57 | -3.74 | 3.40 |  |
| SDN | -7 | 5.42 | 10.49 | -14.94 | 0.79 |  |
| SEN | -37 | -0.34 | 7.45 | -0.60 | 5.04 |  |
| SEY | 42.5 | 12.27 | 17.77 | -17.16 | -14.90 |  |
| SLM | 128 | 11.68 | 16.11 | 3.09 | 6.49 |  |
| SMO | -178 | 1.57 | 7.23 | 1.57 | 7.23 |  |
| SMR | -36.8 | 3.13 | 4.94 | -0.22 | 1.75 |  |
| SNG | 88 | 1.33 | 5.64 | -1.16 | 3.03 |  |
| SOM | 37.8 | 3.29 | 14.16 | -15.66 | -12.38 |  |
| SRB | -7 | -1.2 | 2.24 | -17.37 | -14.38 |  |
| SRL | -33.5 | -0.44 | 6.17 | -0.37 | 5.90 | 1 |
| STP | -7 | 4.85 | 8.75 | -11.42 | 1.96 |  |
| SUI | -18.8 | 0.22 | 3.24 | -0.72 | 2.53 |  |
| SVK | -12.8 | -0.44 | 5.97 | -1.07 | 3.75 |  |
| SVN | 33.8 | 0.44 | 3.97 | -1.44 | 1.58 |  |
| SWZ | 4.8 | 3.19 | 5.39 | -18.07 | -16.24 |  |
| SYR | 11 | -1.03 | 4.56 | -2.16 | 2.13 |  |
| TCD | 17 | 8.77 | 25.4 | -20.70 | -16.63 |  |
| TGO | -30 | 7.45 | 9.15 | 1.42 | 5.28 |  |
| THA | 98 | -0.2 | 5.45 | -2.10 | 2.08 |  |
| TJK | 38 | 0.63 | 11.46 | -2.11 | 3.39 |  |
| TKM | 50 | 0.95 | 13.79 | -13.88 | -9.71 |  |
| TLS | 128 | 9.22 | 13.32 | 3.49 | 6.79 |  |
| TON | 170.75 | 9.64 | 13.34 | 11.60 | 24.25 | 1 |
| TUN | -25.2 | -0.95 | 4.35 | -18.56 | 2.37 |  |
| TUR | 42 | 1.71 | 8.19 | -1.35 | 1.03 |  |
| TUV | 176 | 6.17 | 12.78 | 6.32 | 13.11 | 1 |
| TZA | 11 | 2.58 | 15.39 | -18.41 | -17.48 |  |
| UAE | 52.5 | 3.15 | 17.82 | -1.84 | 2.19 |  |
| UGA | 17 | 3.6 | 8.64 | -22.26 | -21.55 |  |
| UKR | 38.2 | 0.57 | 4.37 | -13.84 | -2.52 |  |
| USA | 170 | 6.48 | 11.87 | 6.58 | 12.42 | 1 |
| USA | 140 | 13.99 | 15.96 | 10.88 | 13.20 |  |
| USA | 121.8 | 3.48 | 7.68 | -1.01 | 4.65 |  |
| USA | 122 | 5.95 | 8.62 | 2.23 | 3.38 |  |
| UZB | 33.8 | 1.94 | 6.61 | -0.93 | 3.85 |  |
| VTN | 107 | 0.21 | 13.31 | -2.50 | 2.36 |  |
| VUT | 140 | 4.32 | 13.07 | 3.13 | 9.14 |  |
| YEM | 11 | -0.26 | 9.18 | -20.99 | -6.33 |  |
| ZMB | -0.8 | 2.78 | 9.14 | -20.04 | -17.21 |  |
| ZWE | -0.8 | 2.59 | 8.46 | -19.15 | -16.70 |  |

Note 1: The minimum or maximum EPM values of this assignment are improved as a result of the cancellation of other assignments from the List.

Note 2: The orbital position of this assignment has changed. Before WRC-19, the orbital position was at 1.2⁰W.

Table 2

Change in EPM values for assignments in the Regions 1 and 3 BSS feeder-link Plan

|  |  | **WRC-2000** | | **As of**  **02 May 2023** | |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Administration** | **Orbital Position (⁰E)** | **Minimum**  **EPM (dB)** | **Maximum**  **EPM(dB)** | **Minimum**  **EPM (dB)** | **Maximum**  **EPM(dB)** | **Note** |
| AFG | 50 | 1.46 | 5.68 | -0.20 | 3.39 |  |
| AFS | 4.8 | 10.96 | 19.91 | -37.54 | -28.41 |  |
| AGL | -24.8 | 6.76 | 9.46 | -2.20 | -1.28 |  |
| ALB | 62 | 12.75 | 48.98 | -0.33 | 2.58 |  |
| ALG | -24.8 | -1.12 | 1.89 | -0.61 | 2.41 | 1 |
| AND | -37 | 10.58 | 13.39 | 6.55 | 8.59 |  |
| ARM | 22.8 | 2.43 | 7.55 | 1.43 | 6.20 |  |
| ARS | 17 | 4.3 | 8.18 | -11.95 | -10.45 |  |
| AUS | 152 | -3.3 | 999.9 | -3.34 | 999.90 |  |
| AUS | 164 | -3.08 | 999.9 | -3.09 | 999.90 |  |
| AUT | -18.8 | -0.27 | 1.06 | -0.30 | 1.08 | 1 |
| AZE | 23.2 | 2.49 | 5.29 | -2.95 | -2.02 |  |
| BDI | 11 | 0.38 | 4.45 | 0.35 | 4.41 |  |
| BEL | 38.2 | -1.21 | 5.9 | -0.25 | 5.36 | 1 |
| BEN | -19.2 | 4.39 | 11.9 | 4.39 | 11.89 |  |
| BFA | -30 | 11.99 | 17.71 | -4.83 | 0.28 |  |
| BGD | 74 | 0.85 | 6.3 | 0.75 | 6.11 |  |
| BHR | 34 | 6.59 | 6.69 | 6.53 | 6.53 |  |
| BIH | 56 | 12.33 | 15.11 | 1.35 | 3.78 |  |
| BLR | 37.8 | 0.16 | 2.84 | -0.58 | 2.09 |  |
| BOT | -0.8 | -0.43 | 5.1 | -26.66 | -20.56 |  |
| BRM | 104 | 13.8 | 17.74 | 3.59 | 7.87 |  |
| BRU | 74 | 11.27 | 13.85 | 10.05 | 11.94 |  |
| BTN | 86 | 5.56 | 10.76 | 5.18 | 10.35 |  |
| BUL | 1.9 | 1.6 | 5.5 | -4.53 | -1.79 | 2 |
| CAF | -13.2 | -0.35 | 1.64 | 0.13 | 2.49 | 1 |
| CBG | 86 | 2.08 | 5.44 | 2.07 | 5.43 |  |
| CHN | 62 | -0.48 | 16.94 | -1.54 | 2.60 |  |
| CHN | 92.2 | 4.92 | 13.04 | -0.32 | 4.10 |  |
| CHN | 122 | 13.75 | 999.9 | 14.87 | 37.55 | 1 |
| CHN | 134 | 0.62 | 3.84 | 0.62 | 3.85 | 1 |
| CLN | 50 | 0.78 | 6 | -0.20 | 3.84 |  |
| CME | -13 | 16.34 | 19.31 | 16.34 | 19.31 |  |
| COD | -19.2 | 2.11 | 7.82 | 0.92 | 6.41 |  |
| COG | -13.2 | 9.81 | 14.22 | 9.36 | 13.65 |  |
| COM | 29 | 9.93 | 14.43 | 4.75 | 7.02 |  |
| CPV | -33.5 | 11.56 | 15.19 | 3.92 | 8.89 |  |
| CTI | -24.8 | 5.24 | 8.67 | -0.02 | 8.61 |  |
| CVA | -1.2 | 1.68 | 2.9 | -3.77 | -3.14 |  |
| CYP | -1.2 | 4.62 | 8.58 | -3.37 | -2.13 |  |
| CZE | -12.8 | -0.69 | 5.35 | -0.75 | 4.81 |  |
| D | -18.8 | -0.38 | 3.72 | -0.63 | 3.31 |  |
| DJI | 16.8 | 5.97 | 9.66 | 4.45 | 7.98 |  |
| DNK | -33.5 | 1.06 | 7.49 | -29.06 | -19.67 |  |
| DNK | -25.2 | -0.93 | 9.55 | 0.18 | 11.04 | 1 |
| E | -30 | 7.59 | 15.21 | 5.97 | 13.60 |  |
| EGY | -7 | 9.18 | 31.61 | 8.11 | 18.03 |  |
| ERI | 22.8 | 1.33 | 4.46 | 0.35 | 3.56 |  |
| EST | 44.5 | 13.78 | 16.69 | 6.80 | 10.90 |  |
| ETH | 36 | 1.41 | 4.07 | 0.26 | 3.03 |  |
| F | -160 | 999.9 | 999.9 | 999.90 | 999.90 |  |
| F | -7 | -0.44 | 29.02 | -5.25 | 22.83 |  |
| F | 140 | 6.72 | 13.69 | 5.92 | 12.82 |  |
| FIN | 22.8 | 0.22 | 3.86 | -0.39 | 3.15 |  |
| FJI | -178 | 3.28 | 4.11 | 3.28 | 4.11 |  |
| FSM | 158 | 5.73 | 9.9 | 5.71 | 9.87 |  |
| G | -33.5 | 4.22 | 8.75 | -1.50 | 4.07 |  |
| GAB | -13.2 | 1.7 | 7.88 | 2.11 | 7.84 | 1 |
| GEO | 23.2 | 5.99 | 10.24 | -2.06 | 0.82 |  |
| GHA | -25 | 14.07 | 17.88 | 14.07 | 17.88 |  |
| GMB | -37.2 | 1.33 | 4.69 | 0.35 | 2.55 |  |
| GNB | -30 | 15.23 | 16.94 | 3.95 | 6.68 |  |
| GNE | -18.8 | 13 | 16.28 | 12.97 | 16.24 |  |
| GRC | -1.2 | -0.56 | 2.68 | -12.47 | -10.22 |  |
| GUI | -37 | 0.78 | 3.69 | 0.19 | 2.84 |  |
| HNG | -12.8 | -0.69 | 3.33 | -0.76 | 4.40 | 1 |
| HOL | 38.2 | -0.79 | 2.93 | -0.01 | 2.68 | 1 |
| HRV | -12.8 | -0.69 | 4.67 | -0.75 | 4.94 | 1 |
| I | 9 | 11.05 | 12.58 | 1.55 | 2.98 |  |
| IND | 55.8 | -0.23 | 32.07 | -1.45 | 24.65 |  |
| IND | 68 | 3.03 | 47.92 | 1.94 | 20.45 |  |
| INS | 80.2 | 14.51 | 20.41 | 10.83 | 16.59 |  |
| INS | 104 | 36.37 | 49.09 | 6.03 | 11.70 |  |
| IRL | -37.2 | 9.19 | 12.66 | -0.34 | 2.20 |  |
| IRN | 34 | -0.25 | 16.72 | -1.01 | 3.33 |  |
| IRQ | 50 | -0.06 | 4.81 | -1.25 | 3.30 |  |
| ISL | -33.5 | -0.05 | 16.29 | -22.47 | -1.42 |  |
| ISR | -4 | 18.17 | 23.33 | 5.87 | 15.45 |  |
| J | 109.85 | 19.17 | 26.45 | 8.25 | 15.40 |  |
| J | 110 | 19 | 26.28 | 8.63 | 15.73 |  |
| JOR | 11 | 5.82 | 9.92 | 3.57 | 7.09 |  |
| KAZ | 56.4 | 1.16 | 8.86 | -0.68 | 2.64 |  |
| KEN | -0.8 | 1.35 | 7.14 | -29.41 | -27.03 |  |
| KGZ | 50 | -1.02 | 1.65 | -1.57 | 0.92 |  |
| KIR | 176 | 1.22 | 11.19 | 1.22 | 11.19 |  |
| KOR | 116 | 7.46 | 36.53 | -0.49 | 28.94 |  |
| KRE | 140 | 12.19 | 14.95 | 0.09 | 3.63 |  |
| KWT | 11 | 7.11 | 10.09 | 5.27 | 8.77 |  |
| LAO | 122.2 | 0.3 | 2.76 | 0.03 | 2.26 |  |
| LBN | 11 | -0.79 | 4.33 | -1.17 | 3.80 |  |
| LBR | -33.5 | 7.68 | 11.61 | 4.71 | 7.27 |  |
| LBY | -24.8 | -0.94 | 2.18 | -1.62 | 1.81 |  |
| LIE | -18.8 | 0.01 | 3.77 | 0.02 | 3.77 | 1 |
| LSO | 4.8 | 5.83 | 10.24 | -16.60 | -14.36 |  |
| LTU | 23.2 | 2.97 | 8.32 | 0.56 | 3.85 |  |
| LUX | 28.2 | 17.65 | 19.99 | 5.18 | 7.82 |  |
| LVA | 23.2 | 6.16 | 9.12 | -16.28 | -12.66 |  |
| MAU | 29 | 2.59 | 8.98 | -16.04 | -12.31 |  |
| MCO | 34.2 | 2.32 | 17.68 | 4.90 | 11.57 | 1 |
| MDA | 50 | 0.45 | 5.08 | -0.59 | 3.69 |  |
| MDG | 29 | 27.47 | 31.61 | -15.54 | -11.10 |  |
| MHL | 146 | 40.78 | 43.74 | 40.46 | 43.47 |  |
| MKD | 22.8 | 8.7 | 11.49 | -2.74 | 2.91 |  |
| MLA | 91.5 | 11.37 | 16.42 | 1.95 | 6.93 |  |
| MLD | 50 | 5.2 | 5.76 | 3.66 | 4.18 |  |
| MLI | -19.2 | 2.42 | 8.81 | 2.40 | 8.79 |  |
| MLT | 22.8 | 7.68 | 9.05 | 7.24 | 8.55 |  |
| MNG | 74 | 8.1 | 999.9 | 5.54 | 9.71 |  |
| MOZ | -1 | 15.69 | 17.71 | -1.77 | 0.44 |  |
| MRC | -25.2 | -1.1 | 2.91 | -0.75 | 3.00 | 1 |
| MTN | -36.8 | 0.31 | 6.62 | -0.67 | 6.11 |  |
| MWI | 4.8 | 5.44 | 11.76 | -31.23 | -30.58 |  |
| NGR | -37.2 | -0.44 | 4.82 | -0.96 | 4.19 |  |
| NIG | -19.2 | 4.16 | 9.52 | 4.16 | 9.52 |  |
| NMB | -18.8 | 4.48 | 9.90 | 4.48 | 9.90 |  |
| NOR | -0.8 | -0.89 | 7.0 | -0.81 | 6.93 | 1 |
| NPL | 50 | 1.2 | 39.77 | 0.69 | 11.80 |  |
| NRU | 134 | 17.58 | 18.75 | 12.70 | 16.22 |  |
| NZL | 158 | 8.35 | 24.4 | 8.30 | 24.31 |  |
| OMA | 17.2 | 1.99 | 7.36 | -0.31 | 3.87 |  |
| PAK | 38.2 | 0.88 | 15.91 | 0.78 | 14.19 |  |
| PHL | 98 | 5.09 | 9.39 | -0.44 | 3.11 |  |
| PLW | 140 | 7.86 | 11.86 | 5.94 | 8.33 |  |
| PNG | 134 | 25.23 | 26.19 | 3.63 | 4.16 |  |
| POL | 50 | 4.49 | 6.25 | 0.05 | 3.32 |  |
| POR | -37 | -0.06 | 8.27 | -0.31 | 8.13 |  |
| PSE | -13.2 | 8.55 | 10.71 | 7.54 | 10.43 |  |
| QAT | 20 | 13.65 | 16.5 | 14.76 | 15.81 | 1 |
| ROU | 50 | -0.86 | 2.7 | -2.52 | 0.37 |  |
| RRW | 11 | 0.19 | 4.34 | 0.17 | 4.31 |  |
| RUS | 86 | 1.94 | 999.9 | 1.68 | 17.50 |  |
| RUS | 110 | 13.22 | 999.9 | 10.85 | 17.67 |  |
| RUS | 36 | -1.2 | 2.37 | -1.91 | 4.04 | 1 |
| RUS | 56 | 10.98 | 19.89 | 2.57 | 6.36 |  |
| RUS | 140 | 0.06 | 999.9 | -0.21 | 15.59 |  |
| S | 5 | 7.16 | 12.3 | 6.58 | 11.10 |  |
| SDN | -7 | 26.09 | 29.47 | 12.99 | 16.50 |  |
| SEN | -37 | 39.62 | 42.49 | 39.62 | 42.49 |  |
| SEY | 42.5 | 19.92 | 37.2 | 4.57 | 36.17 |  |
| SLM | 128 | 13.38 | 18.66 | 13.40 | 18.69 | 1 |
| SMO | -178 | 12.19 | 13.38 | 12.19 | 13.38 |  |
| SMR | -36.8 | 10.59 | 12.67 | 7.58 | 10.88 |  |
| SNG | 88 | 13.02 | 18.17 | 8.32 | 13.17 |  |
| SOM | 37.8 | -0.26 | 3.57 | -0.45 | 3.37 |  |
| SRB | -7 | 1.46 | 3.4 | -7.81 | -4.80 |  |
| SRL | -33.5 | 9.71 | 17.71 | 5.24 | 8.63 |  |
| STP | -7 | 13.95 | 14.05 | 9.00 | 13.06 |  |
| SUI | -18.8 | 0.26 | 1.55 | -0.03 | 1.31 |  |
| SVK | -12.8 | -0.69 | 3.33 | -0.74 | 4.41 | 1 |
| SVN | 33.8 | 5.91 | 8.32 | 4.11 | 6.46 |  |
| SWZ | 4.8 | 3.37 | 7.63 | -24.82 | -21.20 |  |
| SYR | 11 | -0.73 | 3.68 | -1.12 | 3.06 |  |
| TCD | 17 | 4.03 | 5.63 | -24.48 | -23.15 |  |
| TGO | -30 | 14.14 | 15.94 | 14.14 | 15.94 |  |
| THA | 98 | 5.34 | 8.3 | 0.55 | 2.59 |  |
| TJK | 38 | 1.89 | 5.8 | 0.69 | 4.18 |  |
| TKM | 50 | -0.95 | 2.29 | -1.96 | 1.22 |  |
| TLS | 128 | 19.62 | 24.8 | 19.67 | 24.87 | 1 |
| TON | 170.75 | 11.56 | 12.80 | 11.56 | 12.80 |  |
| TUN | -25.2 | -1.2 | 3.43 | -20.57 | -5.64 |  |
| TUR | 42 | 7.85 | 8.72 | 7.46 | 8.99 | 1 |
| TUV | 176 | 4.66 | 9.81 | 4.66 | 9.81 |  |
| TZA | 11 | 0.05 | 3.23 | -0.97 | 2.01 |  |
| UAE | 52.5 | 26.18 | 36.74 | 6.69 | 10.61 |  |
| UGA | 17 | 10.73 | 12.21 | -7.95 | -7.20 |  |
| UKR | 38.2 | 0.25 | 1.85 | -4.26 | -2.95 |  |
| USA | 170 | 10.15 | 999.9 | 10.16 | 999.90 | 1 |
| USA | 140 | 18.56 | 34.67 | 18.44 | 34.54 |  |
| USA | 121.8 | 0.23 | 17.57 | 0.21 | 17.54 |  |
| USA | 122 | 28.57 | 43.61 | 17.06 | 32.45 |  |
| UZB | 33.8 | 0.28 | 8.48 | -0.60 | 3.88 |  |
| VTN | 107 | 14.22 | 19.41 | 1.41 | 5.84 |  |
| VUT | 140 | 8.87 | 13.3 | 8.67 | 13.15 |  |
| YEM | 11 | 47.26 | 55.75 | 10.45 | 21.62 |  |
| ZMB | -0.8 | -1.01 | 3.4 | -23.83 | -20.01 |  |
| ZWE | -0.8 | 7.62 | 10.09 | -23.25 | -19.16 |  |

Note 1: The minimum or maximum EPM values of this assignment are improved as a result of the cancellation of other assignments from the List.

Note 2: The orbital position of this assignment has changed. Before WRC-19, the orbital position was at 1.2⁰W.

**1.3. Implementation of Resolution 559 (WRC-19)**

WRC-19 adopted Resolution **559 (WRC-19)** to provide Regions 1 and 3 administrations that are eligible for the special procedure described in that Resolution with the possibility to submit new frequency assignments to replace their national frequency assignments in the Appendices **30** and **30A** Plans, taking advantage of the removal of some limitations in Annex 7 to Appendix **30 (WRC-15)**.

In accordance with Resolution **559 (WRC-19)** and the associated instructions to the Bureau from **WRC-19**, the Radiocommunication Bureau identified 55 administrations that were eligible to apply the special procedure described in that Resolution. Three Administrations were unable to find suitable orbital positions within the orbital arc specified in Resolution **559 (WRC-19)** given their geographical situation. However, the Radio Regulations Board instructed the Bureau to process their submissions under Article 4 of Appendices **30** and **30A** as Resolution **559** submissions. In the end, submissions were received from 45 administrations out of the 55 eligible administrations. The 90 Part A Special Sections (each request under Resolution **559** contains one notice for the BSS downlink and one notice for the associated feeder link) have been published in BR IFC 2932 on 27 October 2020.

Thanks to intensive and constructive coordination activities between 2020 and 2022 among administrations, the important decisions taken by the Radio Regulations Board and assistance provided by the Radiocommunication Bureau, 41 Administrations have sent the final characteristics (Part-B submissions) of their requested assignments in the first quarter of 2023. All Resolution **559** assignments of these 41 Administrations have successfully entered in the Appendices **30** and **30A** Lists, as it was published in BR IFIC 2993 of 4 April 2023. These 41 Administrations can request WRC-23 to consider the inclusion of these assignments in the Appendices **30** and **30A** Plans as a replacement for their degraded national frequency assignments currently in these Plans (some Administrations have already submitted this request for inclusion, see the [list of documents for WRC-23](https://www.itu.int/md/R23-WRC23-C/en)).

The maximum and minimum EPM values of Resolution **559 (WRC-19)** requests are shown in Table 3 below.

Table 3

Range of EPM values of Resolution **559 (WRC-19)** requests

| **Administration** | **Orbital Position (⁰E)** | **Down-link** | | **Feeder-link** | | **Note** |
| --- | --- | --- | --- | --- | --- | --- |
| **Minimum**  **EPM (dB)** | **Maximum**  **EPM(dB)** | **Minimum**  **EPM (dB)** | **Maximum**  **EPM(dB)** |
| AFG | 10 | 3.706 | 7.389 | 0.094 | 5.01 | 1 |
| AFS | -8.2 | 0.873 | 8.401 | 5.583 | 9.397 |  |
| ALB | -33.6 | -3.884 | 2.069 | 3.738 | 8.121 |  |
| ARS | 7.9 | -7.446 | -0.902 | 7.732 | 11.349 |  |
| AZE | 10 | -2.984 | 3.414 | 2.47 | 5.971 |  |
| BDI | -26.8 | -6.355 | -2.053 | 10.119 | 13.756 |  |
| BEN | -30.6 | 0.725 | 4.538 | 12.399 | 16.59 |  |
| BIH | -26.5 | -6.703 | -1.484 | 7.343 | 10.994 |  |
| BOT | -26.6 | -4.627 | -0.321 | -0.203 | 5.268 |  |
| COD | -23.5 | 0.576 | 8.59 | 1.242 | 14.166 |  |
| COG | -37.3 | 3.308 | 8.491 | 1.164 | 4.127 |  |
| COM | -3.7 | -7.864 | -6.583 | 13.223 | 14.967 |  |
| CVA | -33.6 | -1.574 | -0.423 | 3.568 | 3.819 |  |
| DJI | -17.46 | -1.852 | 3.124 | 12.804 | 14.414 |  |
| GAB | -37.3 | 1.821 | 6.943 | 3.76 | 8.71 |  |
| GEO | -4.1 | -5.916 | -0.855 | 2.357 | 16.852 |  |
| GNE | -42 | 1.188 | 6.783 | 13.794 | 18.476 | 1 |
| IRQ | -9.6 | -6.868 | 2.976 | 7.928 | 14.028 |  |
| KEN | -9.2 | -5.518 | 8.413 | 6.464 | 10.981 |  |
| LSO | -16 | -4.137 | 5.86 | 3.539 | 9.938 |  |
| MAU | 68.4 | -3.279 | 10.568 | -0.078 | 4.176 |  |
| MDA | -16.3 | -1.551 | 5.262 | 3.949 | 9.337 |  |
| MDG | 69.5 | -1.178 | 4.218 | 14.595 | 17.344 |  |
| MKD | -16.7 | -1.066 | 3.906 | 5.284 | 9.582 |  |
| MLI | -42 | 2.135 | 18.231 | 4.794 | 9.218 |  |
| MLT | -37.5 | 2.798 | 4.39 | 5.221 | 5.583 | 1 |
| MOZ | -8.2 | -1.369 | 6.048 | 5.648 | 9.786 |  |
| MWI | -23.5 | 1.514 | 8.117 | 18.217 | 21.38 |  |
| NIG | -42 | 3.048 | 23.743 | 7.848 | 22.401 |  |
| NMB | -34 | 0.629 | 6.317 | -0.006 | 5.481 |  |
| POL | -4.2 | -7.774 | -4.941 | 5.299 | 12.596 |  |
| ROU | -23.4 | -5.485 | 1.816 | 9.553 | 12.565 |  |
| RRW | -9.2 | -1.601 | 10.171 | 0.175 | 5.516 |  |
| SDN | -16 | -2.615 | 8.914 | 2.325 | 9.221 |  |
| SEY | 45.2 | -6.055 | 0.639 | 20.717 | 22.543 | 1 |
| SOM | -4.4 | -7.34 | 2.738 | 6.93 | 11.591 |  |
| SRB | -26.7 | -5.775 | -0.145 | 9.06 | 12.045 |  |
| SSD | -23.9 | -7.092 | 1.349 | -1.342 | 2.846 |  |
| SWZ | -23.9 | 2.679 | 4.976 | -0.361 | 1.016 |  |
| TCD | -34 | -2.244 | 3.347 | -1.839 | 5.206 |  |
| TUN | -37.3 | -0.19 | 8.302 | -0.355 | 2.409 |  |
| TZA | -16 | -2.556 | 4.077 | 0.784 | 6.569 |  |
| UGA | -26.6 | -4.654 | 0.533 | 0.337 | 5.468 |  |
| ZMB | -23.9 | -2.764 | 1.978 | -0.551 | 4.472 |  |
| ZWE | -16 | -3.116 | 5.892 | -0.369 | 4.202 |  |

Note 1: The Radiocommunication Bureau has not received the corresponding Part-B submission.

**1.4. Summary of the situation in Regions 1 and 3 Lists of additional uses**

Additional uses in Regions 1 and 3 in Appendices **30** and **30A** are:

* use of assignments with characteristics different from those appearing in the Plans and which are capable of causing more interference than the corresponding entries in the Plans;
* use of assignments in addition to those appearing in the Plans.

Various Administrations have applied Article 4 procedures of Appendices **30** and **30A** for additional uses in Regions 1 and 3. Tables 4 and 5 below summarize the number of networks for additional uses that have been included in the Lists of Appendices **30** and **30A** as of 2 May 2023 (BR IFIC 2995).

Table 4

Number of networks of additional uses included in the List of Appendix **30**

| **Administration**  **(Organization)** | **Number of networks** | **Administration**  **(Organization)** | **Number of networks** |
| --- | --- | --- | --- |
| ALG | 1 | IRN | 1 |
| ARS/ARB | 5 | ISR | 1 |
| AUS | 1 | J | 9 |
| BUL | 2 | KOR | 2 |
| CHN | 6 | LUX | 14 |
| CYP | 1 | MCO | 3 |
| D | 1 | MLA | 1 |
| E | 3 | NOR | 4 |
| EGY | 3 | PAK | 1 |
| F | 5 | PNG | 9 |
| F/EUT | 8 | RUS | 5 |
| G | 6 | RUS/IK | 4 |
| GRC | 1 | S | 6 |
| HOL | 9 | TUR | 2 |
| I | 1 |  |  |

Table 5

Number of networks of additional uses included in the List of Appendix **30A**

| **Administration**  **(Organization)** | **Number of networks** | **Administration**  **(Organization)** | **Number of networks** |
| --- | --- | --- | --- |
| ALG | 1 | I | 1 |
| ARS/ARB | 7 | IRN | 1 |
| AUS | 1 | J | 7 |
| BUL | 1 | KOR | 2 |
| CHN | 3 | LUX | 12 |
| CYP | 1 | MCO | 3 |
| D | 1 | MLA | 1 |
| E | 3 | NOR | 3 |
| EGY | 3 | PNG | 4 |
| F | 5 | RUS | 4 |
| F/EUT | 8 | RUS/IK | 4 |
| G | 1 | S | 4 |
| GRC | 1 | TUR | 2 |
| HOL | 9 | UAE | 5 |

**1.5. Administrations not having national assignments in the Plans**

In Regions 1 and 3, only two Administrations, Montenegro (MNE) and South Sudan (SSD), do not have assignments in the Appendices **30** and **30A** Plans.

As indicated in Table 3 in section 1.4 above, the Administration of South Sudan has applied the special procedure of Resolution **559 (WRC-19)** and its assignments have been entered in the Lists of Appendices **30** and **30A**. The Administration of South Sudan can send a request to WRC-19 for the inclusion of its assignments in the Appendices **30** and **30A** Plans.

If the Administration of Montenegro requests assignments in the Plans, the Bureau would advise it to apply the procedure of Article 4 of Appendices **30** and **30A** to obtain new frequency assignments in the Lists of additional uses over its national territory. Subsequently, the Administration of Montenegro can apply § 4.1.26 of Article 4 to request the following Conference to include its assignments in the Appendices **30** and **30A** Plans.

**2. Status of the plans governed by Appendices 30 and 30A in Region 2**

**2.1. Overview**

The Plan of Appendix 30 in Region 2 is a Plan for the BSS (downlink) in the frequency band 12.2 – 12.7 GHz in Region 2, together with modifications resulting from the successful application of the procedures of Article 4 of that Appendix. The Plan of Appendix 30A in Region 2 is a Plan for BSS feeder links in the frequency band 17.3 – 17.8 GHz in Region 2.

### The Plans in Region 2 do not use the concepts of additional use and List. However, Region 2 Administrations can apply the procedures of Article 4 of Appendices 30 and 30A to include a new assignment in the Region 2 Plans even at different orbital positions and/or with wider coverage and service areas than the national territory of the requesting administration.

### All Region 2 Administrations have at least one entry in the Region 2 Plans.

### The reference situation of an assignment in the Region 2 Plans is represented by the OEPM (Overall Equivalent Protection Margin), which combines EPM values in both downlink and feeder uplink.

**2.2. Reference situation of the planned national assignments**

### Table 6 below indicates the reference situation, in terms of the minimum and maximum values of OEPM, of the Region 2 Plans assignments based on the data in BR IFIC 2995 of 2 May 2023.

Table 6

Reference situation for assignments in the Region 2 Plans

| **Administration** | **Orbital Position**  **(⁰E)** | **Minimum OEPM (dB)** | **Maximum**  **OEPM (dB)** |
| --- | --- | --- | --- |
| ARG | -94.2 | -4.957 | 3.266 |
| ARG | -93.8 | -5.601 | -2.596 |
| ARG | -55.2 | -3.714 | 5.002 |
| ARG | -54.8 | -3.173 | 0.792 |
| ATG | -79.7 | 0.311 | 0.949 |
| B | -101.8 | -3.117 | -0.971 |
| B | -81.2 | -4.454 | 0.239 |
| B | -80.8 | -4.075 | -0.279 |
| B | -74.2 | -4.319 | -0.314 |
| B | -73.8 | -4.538 | -0.521 |
| B | -64.2 | -3.907 | 0.313 |
| B | -63.8 | -4.507 | 0.168 |
| B | -45.2 | -3.077 | 2.193 |
| B | -44.8 | -3.314 | 2.186 |
| BAH | -87.2 | -21.179 | -13.104 |
| BLZ | -115.8 | -2.777 | -0.869 |
| BOL | -115.2 | -2.625 | 0.184 |
| BOL | -87.2 | -1.86 | 0.373 |
| BRB | -92.7 | -3.028 | -2.663 |
| CAN | -138.2 | -5.992 | -1.349 |
| CAN | -137.8 | -6.342 | -1.445 |
| CAN | -70.7 | -12.086 | -7.078 |
| CAN | -70.3 | -9.634 | -4.43 |
| CHL | -106.2 | -2.955 | 6.562 |
| CHL | -105.8 | -4.031 | 4.029 |
| CLM | -115.2 | -2.707 | -0.259 |
| CLM | -103.2 | -5.151 | -1.206 |
| CTR | -130.8 | 7.201 | 10.961 |
| CUB | -89.2 | -5.506 | 0.826 |
| DMA | -79.3 | -1.585 | -1.116 |
| DNK | -53.2 | 4.579 | 11.111 |
| DOM | -83.3 | -2.379 | 0.495 |
| EQA | -115.2 | -2.789 | 0.08 |
| EQA | -94.8 | -4.749 | -2.16 |
| F | -53.2 | -2.514 | 4.215 |
| F | -52.8 | -0.06 | 2.853 |
| G | -115.8 | -1.746 | 0.238 |
| G | -96.2 | -0.668 | 0.545 |
| G | -79.7 | -0.606 | 1.812 |
| G | -57.2 | 6.329 | 12.186 |
| G | -31 | 4.925 | 8.537 |
| GRD | -79.3 | -1.708 | -0.778 |
| GRD | -57.2 | -0.146 | 3.226 |
| GRD | -42.2 | -0.163 | 2.117 |
| GTM | -107.3 | 0.832 | 3.916 |
| GUY | -84.7 | -3.794 | 2.419 |
| GUY | -33.8 | 4.344 | 6.451 |
| HND | -107.3 | 0.681 | 2.373 |
| HOL | -52.8 | -0.355 | 4.094 |
| HTI | -83.3 | -2.806 | 0.993 |
| JMC | -92.7 | -2.125 | -0.874 |
| JMC | -92.3 | -8.649 | 0.365 |
| JMC | -33.8 | 6.535 | 8.014 |
| KNA | -79.7 | -0.49 | -0.155 |
| LCA | -79.3 | -1.751 | -1.506 |
| MEX | -136.2 | -5.174 | 0.433 |
| MEX | -135.8 | -5.1 | 0.483 |
| MEX | -127.2 | -10.689 | -0.921 |
| MEX | -126.8 | -8.938 | -0.558 |
| MEX | -69.2 | -4.09 | 1.651 |
| NCG | -107.3 | 1.07 | 3.749 |
| PNR | -121 | 4.205 | 8.073 |
| PRG | -99.2 | -4.338 | -0.069 |
| PRU | -115.2 | -2.818 | 0.28 |
| PRU | -85.8 | -23.18 | -7.429 |
| SLV | -107.3 | 0.31 | 1.551 |
| SUR | -84.7 | -0.357 | 5.259 |
| TRD | -84.7 | -9.562 | -3.368 |
| URG | -71.7 | -4.048 | -0.419 |
| USA | -175.2 | -5.049 | 1.239 |
| USA | -174.8 | -5.081 | 1.389 |
| USA | -166.2 | -5.248 | 1.326 |
| USA | -165.8 | -5.126 | 1.28 |
| USA | -157.2 | -4.297 | -1.206 |
| USA | -156.8 | -4.12 | -1.088 |
| USA | -148.2 | -3.964 | -1.034 |
| USA | -147.8 | -3.837 | -1.014 |
| USA | -119.2 | -14.88 | -6.837 |
| USA | -118.8 | -14.893 | -4.423 |
| USA | -110.2 | -6.181 | -2.346 |
| USA | -109.8 | -5.083 | -1.976 |
| USA | -101.2 | -9.938 | -1.873 |
| USA | -100.8 | -9.045 | -1.687 |
| USA | -61.7 | -11.413 | -7.739 |
| USA | -61.3 | -11.667 | -7.76 |
| VCT | -79.3 | -1.475 | -0.843 |
| VEN | -115.2 | -2.401 | 0.035 |
| VEN | -103.8 | -8.006 | 0.613 |

##### Part II - Plan for the fixed-satellite service in Appendix 30B

**1. Overview**

The fixed-satellite service (FSS) Plan in Appendix 30B is an allotment Plan. It was adopted by the World Administrative Radio Conference 1988 (WARC Orb-88) in the frequency bands 4 500-4 800 MHz (space-to-Earth), 6 725-7 025 MHz (Earth-to-space), 10.70-10.95 GHz (space-to-Earth), 11.20-11.45 GHz (space-to-Earth) and 12.75-13.25 GHz (Earth-to-space).

Each national allotment in the Plan comprises:

a nominal orbital position,

a bandwidth of 800 MHz (uplink and downlink),

a service area limited to the national territory of an administration.

World Radiocommunication Conference 2007 (WRC-07) made major modifications to the procedures and updated some technical criteria of Appendix 30B.

**2. Reference situation of the planned national allotments**

The reference situation of the national allotments in the Plan of Appendix 30B is represented by the aggregate C/I value at each test point.

Tables 7 and 8 below show the reference situation of the national allotments as in BR IFIC 2995 of 2 May 2023. As the reference situation values of most allotments are not very degraded compared with the 21 dB criterion set forth in Appendix 30B, only the minimum aggregate C/I value is shown for each allotment.

Table 7

Reference situation of the national allotments in the FSS Plan

(4 500-4 800 MHz and 6 725-7 025 MHz bands)

| **Allotment** | **Administration** | **Orbital Position**  **(⁰E)** | **Minimum  aggregate C/I (dB)** | **Note** |
| --- | --- | --- | --- | --- |
| ABW00000 | HOL | -98.2 | 31.777 |  |
| ADL00000 | F | 113 | 26.513 |  |
| AFG00000 | AFG | 50 | 25.247 |  |
| AFS00000 | AFS | 71 | 33.498 |  |
| AGL00000 | AGL | -36.1 | 26.252 |  |
| ALB00000 | ALB | 4.13 | 23.202 |  |
| ALG00000 | ALG | -33.5 | 22.099 |  |
| ALS00000 | USA | -159 | 999.99 |  |
| AND00000 | AND | -41 | 0.784 | 1 |
| ARG00000 | ARG | -51 | 49.513 |  |
| ARGINSUL | ARG | -51 | 48.129 |  |
| ARM00000 | ARM | 71.4 | 32.548 |  |
| ARS00000 | ARS | 51.9 | 25.2 |  |
| ASCSTHTC | G | -37.1 | 29.457 |  |
| ATG00000 | ATG | -77.7 | 30.602 |  |
| AUS00001 | AUS | 144.1 | 30.206 |  |
| AUS00002 | AUS | 144.1 | 29.506 |  |
| AUS00003 | AUS | 144.1 | 29.049 |  |
| AUS00004 | AUS | 144.1 | 30.044 |  |
| AUS00005 | AUS | 144.1 | 30.065 |  |
| AUT00000 | AUT | -11.4 | 23.696 |  |
| AZE00000 | AZE | 95.9 | 25.117 |  |
| AZR00000 | POR | -10.6 | 34.917 |  |
| B 00003 | B | -69.45 | 26.678 |  |
| B 00011 | B | -65 | 29.786 |  |
| B 00022 | B | -56.5 | 32.452 |  |
| BAH00000 | BAH | -74.3 | 28.17 |  |
| BDI00000 | BDI | -3.5 | 32.068 |  |
| BEL00000 | BEL | 54.55 | 22.586 |  |
| BEN00000 | BEN | -30.6 | 24.27 |  |
| BERCAYMS | G | -37.1 | 25.066 |  |
| BFA00000 | BFA | 10.79 | 33.592 |  |
| BGD00000 | BGD | 133 | 23.315 |  |
| BHR00000 | BHR | 13.6 | 38.347 |  |
| BLR00000 | BLR | 64.4 | 22.506 |  |
| BLZ00000 | BLZ | -90.8 | 35.494 |  |
| BOL00000 | BOL | -34.8 | 23.267 |  |
| BOT00000 | BOT | 21.2 | 30.744 |  |
| BRB00000 | BRB | -29.6 | -3.652 | 1 |
| BRM00000 | BRM | 111.5 | 24.524 |  |
| BRU00000 | BRU | 157.3 | 30.1 |  |
| BTN00000 | BTN | 59.1 | 26.189 |  |
| BUL00000 | BUL | 56.02 | --- | 2 |
| CAF00000 | CAF | 14.4 | 34.98 |  |
| CAN0CENT | CAN | -111.1 | 29.057 |  |
| CAN0EAST | CAN | -107.3 | 28.69 |  |
| CAN0WEST | CAN | -114.9 | 29.612 |  |
| CBG00000 | CBG | 96.1 | 30.456 |  |
| CHL00000 | CHL | -74.9 | 37.589 |  |
| CHN00001 | CHN | 101.4 | 31.932 |  |
| CHN00002 | CHN | 135.5 | 27.474 |  |
| CLM00000 | CLM | -70.9 | 28.129 |  |
| CLN00000 | CLN | 121.5 | 12.021 | 1 |
| CME00000 | CME | 7.98 | 26.24 |  |
| CNR00000 | E | -30 | 28.199 |  |
| COD00000 | COD | 50.95 | 34.768 |  |
| COG00000 | COG | -16.35 | 31.89 |  |
| COM00000 | COM | 94.5 | 27.181 |  |
| CPV00000 | CPV | -85.7 | 31.247 |  |
| CTI00000 | CTI | -15.76 | 30.087 |  |
| CTR00000 | CTR | -96 | 41.09 |  |
| CUB00000 | CUB | -80.6 | 30.22 |  |
| CVA00000 | CVA | 59 | 23.204 |  |
| CYP00000 | CYP | 0.5 | 24.5 |  |
| CYPSBA00 | G | 57.5 | 23.287 |  |
| CZE00000 | CZE | -31.9 | 23.277 |  |
| D 00001 | D | 26.4 | 29.68 |  |
| D 00002 | D | 37.2 | 22.645 |  |
| DJI00000 | DJI | -17.46 | 34.199 |  |
| DMA00000 | DMA | -70 | 26.197 |  |
| DNK00001 | DNK | 32.28 | 23.076 |  |
| DNK00002 | DNK | -49 | 37.092 |  |
| DNK00FAR | DNK | -49 | 39.118 |  |
| DOM00000 | DOM | -85.4 | 27.405 |  |
| E 00002 | E | -30 | 23.456 |  |
| EGY00000 | EGY | 67.11 | 25.572 |  |
| EQA00000 | EQA | -104 | 49.041 |  |
| ETH00000 | ETH | 58.3 | 24.28 |  |
| F 00000 | F | -8 | --- | 2 |
| FIN00000 | FIN | 46.8 | 22.739 |  |
| FJI00000 | FJI | 148.8 | 31.863 |  |
| FLKSTGGL | G | -37.1 | 26.365 |  |
| G 00000 | G | -37.1 | 22.633 |  |
| GAB00000 | GAB | 39 | 27.704 |  |
| GDL00000 | F | -8 | --- | 2 |
| GDL00002 | F | -115.9 | 46.658 |  |
| GHA00000 | GHA | 15.9 | 31.843 |  |
| GIB00000 | G | 57.5 | 25.624 |  |
| GMB00000 | GMB | -34 | 23.089 |  |
| GNB00000 | GNB | 40 | 30.892 |  |
| GNE00000 | GNE | -32.3 | 22.398 |  |
| GRC00000 | GRC | 22.05 | 32.97 |  |
| GRD00000 | GRD | -32.8 | 21.674 |  |
| GRL00000 | DNK | -49 | 39.869 |  |
| GTM00000 | GTM | -135.7 | 34.887 |  |
| GUF00000 | F | -8 | --- | 2 |
| GUF00002 | F | -115.9 | 49.513 |  |
| GUI00000 | GUI | 27.5 | 29.302 |  |
| GUMMRA00 | USA | -159 | 999.99 |  |
| GUY00000 | GUY | -23.8 | 29.441 |  |
| HKG00000 | CHN | 57.5 | 26.111 |  |
| HND00000 | HND | -76.2 | 29.271 |  |
| HNG00000 | HNG | -7.5 | 22.037 |  |
| HOL00000 | HOL | -5 | 27.162 |  |
| HTI00000 | HTI | -92 | 33.278 |  |
| HWA00000 | USA | -159 | 999.99 |  |
| HWL00000 | USA | -159 | 999.99 |  |
| I 00000 | I | -23.4 | 24.343 |  |
| IND00000 | IND | 74 | 33.314 |  |
| INS00000 | INS | 115.4 | 24.003 |  |
| IRL00000 | IRL | -21.8 | 33.152 |  |
| IRN00000 | IRN | 24.19 | 27.53 |  |
| IRQ00000 | IRQ | 65.45 | 24.919 |  |
| ISL00000 | ISL | -35.2 | 24.496 |  |
| ISR00000 | ISR | -4 | --- | 2 |
| J 00000 | J | 152.5 | 33.081 |  |
| JAR00000 | USA | -159 | 999.99 |  |
| JMC00000 | JMC | -108.6 | 40.407 |  |
| JON00000 | USA | -159 | 999.99 |  |
| JOR00000 | JOR | 81.76 | 24.493 |  |
| KAZ00000 | KAZ | 58.5 | 18.666 | 3 |
| KEN00000 | KEN | 78.2 | 27.586 |  |
| KER00000 | F | 113 | 26.463 |  |
| KGZ00000 | KGZ | 64.6 | 26.449 |  |
| KIR00000 | KIR | 150 | 33.689 |  |
| KNA00000 | KNA | -88.8 | 30.798 |  |
| KOR00000 | KOR | 116.2 | 22.888 |  |
| KRE00000 | KRE | 145 | 6.973 | 1 |
| KWT00000 | KWT | 30.9 | -10.623 | 3 |
| LAO00000 | LAO | 142 | 26.227 |  |
| LBN00000 | LBN | 97.5 | 29.999 |  |
| LBR00000 | LBR | -41.8 | 29.94 |  |
| LBY00000 | LBY | 28.9 | 25.525 |  |
| LIE00000 | LIE | -17.1 | 25.466 |  |
| LSO00000 | LSO | -19.3 | 40.665 |  |
| LTU00000 | LTU | -9.3 | 19.379 | 3 |
| LUX00000 | LUX | 19.2 | 29.817 |  |
| MAC00000 | CHN | 117 | 22.773 |  |
| MAU00000 | MAU | 92.2 | 33.075 |  |
| MCO00000 | MCO | 52 | 24.905 |  |
| MDG00000 | MDG | 16.9 | 36.46 |  |
| MDR00000 | POR | -10.6 | 34.148 |  |
| MDW00000 | USA | -159 | 999.99 |  |
| MEX00000 | MEX | -113 | 41.129 |  |
| MHL00000 | USA | -159 | 999.99 |  |
| MLA00000 | MLA | 78.5 | 27.554 |  |
| MLD00000 | MLD | 117.6 | 2.726 | 1 |
| MLI00000 | MLI | -6 | 39.745 |  |
| MLT00000 | MLT | -3 | 33.09 |  |
| MNG00000 | MNG | 113.6 | 18.677 | 1 |
| MOZ00000 | MOZ | 90.6 | 31.621 |  |
| MRC00000 | MRC | 32.86 | 23.055 |  |
| MTN00000 | MTN | -21.1 | 32.952 |  |
| MWI00000 | MWI | 28 | 25.363 |  |
| MYT00000 | F | -8 | --- | 2 |
| NCG00000 | NCG | -84.4 | 31.952 |  |
| NCL00000 | F | 113 | 26.103 |  |
| NGR00000 | NGR | -38.5 | 30.191 |  |
| NIG00000 | NIG | 41.82 | 23.336 |  |
| NMB00000 | NMB | 12.2 | 45.254 |  |
| NOR00000 | NOR | -0.8 | 23.393 |  |
| NPL00000 | NPL | 123.3 | 21.065 |  |
| NRU00000 | NRU | 146 | 33.376 |  |
| NZL00001 | NZL | 152 | 31.993 |  |
| NZL00002 | NZL | 152 | 30.602 |  |
| OCE00000 | F | -115.9 | 50.186 |  |
| OMA00000 | OMA | 104 | 29.75 |  |
| PAK00000 | PAK | 56.5 | 24.216 |  |
| PHL00000 | PHL | 161 | 28.012 |  |
| PLM00000 | USA | -159 | 999.99 |  |
| PNG00000 | PNG | 154.1 | 36.779 |  |
| PNR00000 | PNR | -79.2 | 29.992 |  |
| POL00000 | POL | 15.2 | 22.024 |  |
| POR00000 | POR | -10.6 | 29.189 |  |
| PRG00000 | PRG | -81.5 | 33.056 |  |
| PRU00000 | PRU | -89.9 | 42.497 |  |
| PTC00000 | G | -62.3 | 28.668 |  |
| QAT00000 | QAT | 0.9 | 23.563 |  |
| REU00000 | F | -8 | --- | 2 |
| REU00002 | F | 113 | 26.61 |  |
| ROU00000 | ROU | 30.45 | --- | 2 |
| RRW00000 | RRW | 17.6 | 31.46 |  |
| RUS00001 | RUS | 61 | 26.318 |  |
| RUS00002 | RUS | 88.1 | 21.872 |  |
| RUS00003 | RUS | 138.5 | 28.599 |  |
| S 00000 | S | 5 | 23.518 |  |
| SDN00001 | SDN | 23.55 | 30.228 |  |
| SDN00002 | SDN | 23.55 | 26.618 |  |
| SEN00000 | SEN | -48.4 | 29.977 |  |
| SEY00000 | SEY | 42.25 | 24.505 |  |
| SLM00000 | SLM | 147.5 | 32.649 |  |
| SLV00000 | SLV | -130.5 | 35.318 |  |
| SMA00000 | USA | -159 | 999.99 |  |
| SMO00000 | SMO | -125.5 | 32.238 |  |
| SMR00000 | SMR | 16.5 | 21.311 |  |
| SNG00000 | SNG | 98.1 | 32.952 |  |
| SOM00000 | SOM | 98.4 | 32.837 |  |
| SPM00000 | F | -8 | --- | 2 |
| SRL00000 | SRL | -51.8 | 32.597 |  |
| STP00000 | STP | 30.25 | 26.435 |  |
| SUI00000 | SUI | 9.45 | 30.151 |  |
| SUR00000 | SUR | -77 | 29.056 |  |
| SVK00000 | SVK | -19.82 | 26.29 |  |
| SWZ00000 | SWZ | 30.1 | 26.094 |  |
| SYR00000 | SYR | 18 | 32.622 |  |
| TCD00000 | TCD | -9.9 | 31.985 |  |
| TGO00000 | TGO | -23.15 | 26.306 |  |
| THA00000 | THA | 120.6 | 21.259 |  |
| TON00000 | TON | -128 | 32.614 |  |
| TRD00000 | TRD | -73.4 | 29.717 |  |
| TUN00000 | TUN | 5.74 | 23.585 |  |
| TUR00000 | TUR | 8.5 | 24.626 |  |
| TUV00000 | TUV | 158 | 42.402 |  |
| TZA00000 | TZA | 67.5 | 26.55 |  |
| UAE00000 | UAE | 63.5 | 28.716 |  |
| UGA00000 | UGA | 31.5 | 25.941 |  |
| UKR00001 | UKR | 38.2 | 15.958 | 3 |
| URG00000 | URG | -86.1 | 33.358 |  |
| USA00001 | USA | -101.3 | 33.39 |  |
| UZB00000 | UZB | 110.5 | 29.298 |  |
| VCT00000 | VCT | -93.1 | 32.681 |  |
| VEN00001 | VEN | -82.7 | 31.907 |  |
| VEN00002 | VEN | -82.7 | 30.958 |  |
| VTN00000 | VTN | 107 | 21.826 |  |
| VUT00000 | VUT | 150.7 | 30.912 |  |
| WAK00000 | USA | -159 | 999.99 |  |
| WAL00000 | F | 113 | 26.479 |  |
| XAN00000 | HOL | -5 | 27.103 |  |
| XCQ00000 | USA | -159 | 999.99 |  |
| XYU00000 | XYU | 43.04 | 15.408 | 1 |
| YEM00001 | YEM | 27 | 13.977 | 3 |
| YEM00002 | YEM | 108 | 29.521 |  |
| ZMB00000 | ZMB | 39.55 | 27.333 |  |
| ZWE00000 | ZWE | 65.6 | 27.542 |  |

Note 1: The degradation is due to the application of an implicit agreement.

Note 2: This allotment has been converted into assignments.

Note 3: The degradation is due to the explicit acceptance of interference from the network(s) of other Administration(s) as a result of mutual agreement.

Table 8

Reference situation of the national allotments in the FSS Plan  
(10.70-10.95 GHz, 11.20-11.45 GHz and 12.75-13.25 GHz bands)

| **Allotment** | **Administration** | **Orbital Position**  **(⁰E)** | **Minimum  aggregate C/I (dB)** | **Note** |
| --- | --- | --- | --- | --- |
| ABW00000 | HOL | -98.2 | 41.586 |  |
| ADL00000 | F | 113 | 36.334 |  |
| AFG00000 | AFG | 50 | 19.951 |  |
| AFS00000 | AFS | 71 | 25.128 |  |
| AGL00000 | AGL | -36.1 | 31.238 |  |
| ALB00000 | ALB | 4.13 | 22.047 |  |
| ALG00000 | ALG | -33.5 | 26.16 |  |
| ALS00000 | USA | -159 | 31.494 |  |
| AND00000 | AND | -41 | 1.26 | 1 |
| ARG00000 | ARG | -51 | 58.667 |  |
| ARGINSUL | ARG | -51 | 52.462 |  |
| ARM00000 | ARM | 71.4 | 25.686 |  |
| ARS00000 | ARS | 51.9 | 19.758 |  |
| ASCSTHTC | G | -37.1 | 28.426 |  |
| ATG00000 | ATG | -77.7 | 9.71 | 1 |
| AUS00001 | AUS | 144.1 | 52.977 |  |
| AUS00002 | AUS | 144.1 | 50.895 |  |
| AUS00003 | AUS | 144.1 | 45.571 |  |
| AUS00004 | AUS | 144.1 | 49.648 |  |
| AUS00005 | AUS | 144.1 | 49.952 |  |
| AUT00000 | AUT | -11.4 | 22.688 |  |
| AZE00000 | AZE | 95.9 | 21.386 |  |
| AZR00000 | POR | -10.6 | 24.125 |  |
| B 00003 | B | -69.45 | 32.839 |  |
| B 00011 | B | -65 | 26.479 |  |
| B 00022 | B | -56.5 | 37.097 |  |
| BAH00000 | BAH | -74.3 | 34.6 |  |
| BDI00000 | BDI | -3.5 | 0.062 | 1 |
| BEL00000 | BEL | 54.55 | 20.134 |  |
| BEN00000 | BEN | -30.6 | 27.029 |  |
| BERCAYMS | G | -37.1 | 35.028 |  |
| BFA00000 | BFA | 10.79 | 22.416 |  |
| BGD00000 | BGD | 133 | 25.289 |  |
| BHR00000 | BHR | 13.6 | 22.076 |  |
| BLR00000 | BLR | 64.4 | 21.557 |  |
| BLZ00000 | BLZ | -90.8 | 37.132 |  |
| BOL00000 | BOL | -34.8 | 33.308 |  |
| BOT00000 | BOT | 21.2 | 14.496 | 1 |
| BRB00000 | BRB | -29.6 | 1.866 | 1 |
| BRM00000 | BRM | 111.5 | 26.773 |  |
| BRU00000 | BRU | 157.3 | 27.56 |  |
| BTN00000 | BTN | 59.1 | 10.763 | 1 |
| BUL00000 | BUL | 56.02 | --- | 2 |
| CAF00000 | CAF | 14.4 | 23.453 |  |
| CAN0CENT | CAN | -111.1 | 24.796 |  |
| CAN0EAST | CAN | -107.3 | 12.663 |  |
| CAN0WEST | CAN | -114.9 | 27.79 |  |
| CBG00000 | CBG | 96.1 | 26.608 |  |
| CHL00000 | CHL | -74.9 | 32.438 |  |
| CHN00001 | CHN | 101.4 | 28.946 |  |
| CHN00002 | CHN | 135.5 | 26.626 |  |
| CLM00000 | CLM | -70.9 | 31.697 |  |
| CLN00000 | CLN | 121.5 | 17.65 | 1 |
| CME00000 | CME | 7.98 | 22.668 |  |
| CNR00000 | CNR | -30 | --- | 2 |
| COD00000 | COD | 50.95 | 23.24 |  |
| COG00000 | COG | -16.35 | 1.833 | 1 |
| COM00000 | COM | 94.5 | 24.523 |  |
| CPV00000 | CPV | -85.7 | 33.56 |  |
| CTI00000 | CTI | -15.76 | 21.918 |  |
| CTR00000 | CTR | -96 | 54.752 |  |
| CUB00000 | CUB | -80.6 | 35.108 |  |
| CVA00000 | CVA | 59 | 8.19 | 1 |
| CYP00000 | CYP | 0.5 | 21.521 |  |
| CYPSBA00 | G | 57.5 | 19.913 |  |
| CZE00000 | CZE | -31.9 | 24.989 |  |
| D 00001 | D | 26.4 | 14.398 | 1 |
| D 00002 | D | 37.2 | 21.61 |  |
| DJI00000 | DJI | -17.46 | 17.223 | 3 |
| DMA00000 | DMA | -70 | 27.742 |  |
| DNK00001 | DNK | 32.28 | 17.476 | 1 |
| DNK00002 | DNK | -49 | 36.846 |  |
| DNK00FAR | DNK | -49 | 38.797 |  |
| DOM00000 | DOM | -85.4 | 35.059 |  |
| E 00002 | E | -30 | --- | 2 |
| EGY00000 | EGY | 67.11 | 22.338 |  |
| EQA00000 | EQA | -104 | 45.302 |  |
| ETH00000 | ETH | 58.3 | 7.495 | 1 |
| FIN00000 | FIN | 46.8 | 22.395 |  |
| FJI00000 | FJI | 148.8 | 41.425 |  |
| FLKSTGGL | G | -37.1 | 39.557 |  |
| G 00000 | G | -37.1 | 26.237 |  |
| GAB00000 | GAB | 39 | 21.703 |  |
| GDL00000 | F | -8 | --- | 2 |
| GDL00002 | F | -115.9 | 46.808 |  |
| GHA00000 | GHA | 15.9 | 23.514 |  |
| GIB00000 | G | 57.5 | 20.671 |  |
| GMB00000 | GMB | -34 | 23.659 |  |
| GNB00000 | GNB | 40 | 22.215 |  |
| GNE00000 | GNE | -32.3 | 28.272 |  |
| GRC00000 | GRC | 22.05 | 23.913 |  |
| GRD00000 | GRD | -32.8 | 26.256 |  |
| GRL00000 | DNK | -49 | 39.212 |  |
| GTM00000 | GTM | -135.7 | 36.036 |  |
| GUF00000 | F | -8 | --- | 2 |
| GUF00002 | F | -115.9 | 49.326 |  |
| GUI00000 | GUI | 27.5 | 10.743 | 1 |
| GUMMRA00 | USA | -159 | 46.027 |  |
| GUY00000 | GUY | -23.8 | 32.22 |  |
| HKG00000 | CHN | 57.5 | 23.48 |  |
| HND00000 | HND | -76.2 | 32.365 |  |
| HNG00000 | HNG | -7.5 | 21.878 |  |
| HOL00000 | HOL | -5 | 20.735 |  |
| HTI00000 | HTI | -92 | 43.672 |  |
| HWA00000 | USA | -159 | 48.724 |  |
| HWL00000 | USA | -159 | 50.476 |  |
| I 00000 | I | -23.4 | 26.821 |  |
| IND00000 | IND | 74 | 31.363 |  |
| INS00000 | INS | 115.4 | 23.405 |  |
| IRL00000 | IRL | -21.8 | 26.578 |  |
| IRN00000 | IRN | 24.19 | 21.049 |  |
| IRQ00000 | IRQ | 65.45 | 21.111 |  |
| ISL00000 | ISL | -35.2 | 25.376 |  |
| ISR00000 | ISR | -4 | --- | 2 |
| J 00000 | J | 152.5 | 35.627 |  |
| JAR00000 | USA | -159 | 51.651 |  |
| JMC00000 | JMC | -108.6 | 32.104 |  |
| JON00000 | USA | -159 | 41.551 |  |
| JOR00000 | JOR | 81.76 | 49.913 |  |
| KAZ00000 | KAZ | 58.5 | 20.61 | 3 |
| KEN00000 | KEN | 78.2 | 26.065 |  |
| KER00000 | F | 113 | 34.253 |  |
| KGZ00000 | KGZ | 64.6 | 20.814 |  |
| KIR00000 | KIR | 150 | 39.181 |  |
| KNA00000 | KNA | -88.8 | 38.593 |  |
| KOR00000 | KOR | 116.2 | 20.89 |  |
| KRE00000 | KRE | 145 | 36.71 |  |
| KWT00000 | KWT | 30.9 | -1.606 | 3 |
| LAO00000 | LAO | 142 | 43.767 |  |
| LBN00000 | LBN | 97.5 | 26.174 |  |
| LBR00000 | LBR | -41.8 | 20.474 | 1 |
| LBY00000 | LBY | 28.9 | 20.495 |  |
| LIE00000 | LIE | -17.1 | 13.268 | 1 |
| LSO00000 | LSO | -19.3 | 24.782 |  |
| LTU00000 | LTU | -9.3 | 17.425 | 3 |
| LUX00000 | LUX | 19.2 | 23.228 |  |
| MAC00000 | CHN | 117 | 13.959 | 3 |
| MAU00000 | MAU | 92.2 | 26.773 |  |
| MCO00000 | MCO | 52 | --- | 2 |
| MDG00000 | MDG | 16.9 | 24.206 |  |
| MDR00000 | POR | -10.6 | 24.255 |  |
| MDW00000 | USA | -159 | 36.11 |  |
| MEX00000 | MEX | -113 | --- | 2 |
| MHL00000 | USA | -159 | 46.309 |  |
| MLA00000 | MLA | 78.5 | 37.867 |  |
| MLD00000 | MLD | 117.6 | 9.657 | 1 |
| MLI00000 | MLI | -6 | 22.74 |  |
| MLT00000 | MLT | -3 | 23.455 |  |
| MNG00000 | MNG | 113.6 | 19.075 | 1 |
| MOZ00000 | MOZ | 90.6 | 29.041 |  |
| MRC00000 | MRC | 32.86 | 22.552 |  |
| MTN00000 | MTN | -21.1 | 26.059 |  |
| MWI00000 | MWI | 28 | -9.049 | 1 |
| MYT00000 | F | -8 | --- | 2 |
| NCG00000 | NCG | -84.4 | 36.726 |  |
| NCL00000 | F | 113 | 35.48 |  |
| NGR00000 | NGR | -38.5 | 20.967 |  |
| NIG00000 | NIG | 41.82 | 25.498 |  |
| NMB00000 | NMB | 12.2 | 22.383 |  |
| NOR00000 | NOR | -0.8 | --- | 2 |
| NPL00000 | NPL | 123.3 | 20.892 |  |
| NRU00000 | NRU | 146 | 40.66 |  |
| NZL00001 | NZL | 152 | 29.339 |  |
| NZL00002 | NZL | 152 | 31.714 |  |
| OCE00000 | F | -115.9 | 52.962 |  |
| OMA00000 | OMA | 104 | 27.241 |  |
| PAK00000 | PAK | 56.5 | 21.875 |  |
| PHL00000 | PHL | 161 | 34.663 |  |
| PLM00000 | USA | -159 | 50.338 |  |
| PNG00000 | PNG | 154.1 | 44.101 |  |
| PNR00000 | PNR | -79.2 | 27.666 |  |
| POL00000 | POL | 15.2 | 19.897 |  |
| POR00000 | POR | -10.6 | 22.898 |  |
| PRG00000 | PRG | -81.5 | 39.251 |  |
| PRU00000 | PRU | -89.9 | 50.763 |  |
| PTC00000 | G | -62.3 | 27.807 |  |
| QAT00000 | QAT | 0.9 | 22.298 |  |
| REU00000 | F | -8 | --- | 2 |
| REU00002 | F | 113 | 40.079 |  |
| ROU00000 | ROU | 30.45 | --- | 2 |
| RRW00000 | RRW | 17.6 | 14.536 | 1 |
| RUS00001 | RUS | 61 | 20.212 | 3 |
| RUS00002 | RUS | 88.1 | 2.838 | 3 |
| RUS00003 | RUS | 138.5 | 13.035 | 3 |
| S 00000 | S | 5 | --- | 2 |
| SDN00001 | SDN | 23.55 | 22.086 |  |
| SDN00002 | SDN | 23.55 | 21.448 |  |
| SEN00000 | SEN | -48.4 | 35.964 |  |
| SEY00000 | SEY | 42.25 | 22.045 |  |
| SLM00000 | SLM | 147.5 | 43.577 |  |
| SLV00000 | SLV | -130.5 | 34.052 |  |
| SMA00000 | USA | -159 | 49.39 |  |
| SMO00000 | SMO | -125.5 | 48.099 |  |
| SMR00000 | SMR | 16.5 | 19.614 | 1 |
| SNG00000 | SNG | 98.1 | 28.798 |  |
| SOM00000 | SOM | 98.4 | 26.677 |  |
| SPM00000 | F | -8 | --- | 2 |
| SRL00000 | SRL | -51.8 | 35.985 |  |
| STP00000 | STP | 30.25 | 21.662 |  |
| SUI00000 | SUI | 9.45 | 20.887 |  |
| SUR00000 | SUR | -77 | 27.323 |  |
| SVK00000 | SVK | -19.82 | 25.479 |  |
| SWZ00000 | SWZ | 30.1 | 17.377 | 1 |
| SYR00000 | SYR | 18 | 22.036 |  |
| TCD00000 | TCD | -9.9 | 24.364 |  |
| TGO00000 | TGO | -23.15 | 29.225 |  |
| THA00000 | THA | 120.6 | 22.178 |  |
| TON00000 | TON | -128 | 49.097 |  |
| TRD00000 | TRD | -73.4 | 33.08 |  |
| TUN00000 | TUN | 5.74 | 23.706 |  |
| TUR00000 | TUR | 8.5 | 22.448 |  |
| TUV00000 | TUV | 158 | 49.358 |  |
| TZA00000 | TZA | 67.5 | 19.227 | 3 |
| UAE00000 | UAE | 63.5 | 24.077 |  |
| UGA00000 | UGA | 31.5 | 23.444 |  |
| UKR00001 | UKR | 38.2 | 18.218 | 3 |
| URG00000 | URG | -86.1 | 34.48 |  |
| USA00000 | USA | -101.3 | --- | 2 |
| UZB00000 | UZB | 110.5 | 27.807 |  |
| VCT00000 | VCT | -93.1 | 41.653 |  |
| VEN00001 | VEN | -82.7 | 28.49 |  |
| VEN00002 | VEN | -82.7 | 36.091 |  |
| VTN00000 | VTN | 107 | 24.487 |  |
| VUT00000 | VUT | 150.7 | 39.066 |  |
| WAK00000 | USA | -159 | 38.512 |  |
| WAL00000 | F | 113 | 40.84 |  |
| XAN00000 | HOL | -5 | 22.469 |  |
| XCQ00000 | USA | -159 | 42.813 |  |
| XYU00000 | XYU | 43.04 | 17.245 | 1 |
| YEM00001 | YEM | 27 | 13.738 | 3 |
| YEM00002 | YEM | 108 | 29.799 |  |
| ZMB00000 | ZMB | 39.55 | 21.562 |  |
| ZWE00000 | ZWE | 65.6 | 1.392 | 1 |

Note 1: The degradation is due to the application of an implicit agreement.

Note 2: This allotment has been converted into assignments.

Note 3: The degradation is due to interference caused by the Administration’s own network(s), or due to the explicit acceptance of interference from the network(s) of other Administration(s) as a result of mutual agreement.

**3. Summary of the situation of additional systems in the List**

Table 9 below summarizes the number of networks in the List of Appendix 30B. They are stemming from the conversion of an allotment, “existing” systems (see Resolution 148 (Rev.WRC-15)) or additional systems. The numbers are based on the data of BR IFIC 2995 of 2 May 2023.

Table 9

Number of networks included in the List of Appendix **30B**

| **4 500-4 800 MHz**  **6 725-7 025 MHz** | | **10.70-10.95/11.20-11.45 GHz,**  **12.75-13.25 GHz** | |
| --- | --- | --- | --- |
| **Administration /**  **organization** | **Number of Networks** | **Administration /**  **organization** | **Number of Networks** |
| ARS/ARB | 4 | ARS/ARB | 3 |
| B | 2 | B | 3 |
| BUL | 1 | BLR | 2 |
| CHN | 9 | BUL | 2 |
| CTI/RAS | 2 | CAN | 2 |
| E | 1 | CHN | 4 |
| F | 2 | CTI/RAS | 2 |
| F/EUT | 1 | CYP | 3 |
| G | 1 | D | 2 |
| HOL | 1 | E | 3 |
| IND | 7 | F | 16 |
| ISR | 1 | F/EUT | 12 |
| LAO | 1 | G | 3 |
| MNE | 1 | GRC | 1 |
| ROU | 1 | HNG | 1 |
| RUS | 7 | HOL | 3 |
| RUS/IK | 1 | IND | 4 |
| S | 1 | ISR | 3 |
| TUR | 1 | KAZ | 1 |
|  |  | LAO | 1 |
|  |  | LUX | 8 |
|  |  | MCO | 4 |
|  |  | MEX | 1 |
|  |  | MLA | 1 |
|  |  | MNE | 1 |
|  |  | NOR | 3 |
|  |  | PNG | 2 |
|  |  | QAT | 2 |
|  |  | ROU | 1 |
|  |  | RUS | 17 |
|  |  | RUS/IK | 2 |
|  |  | S | 5 |
|  |  | TUR | 2 |
|  |  | UAE | 2 |
|  |  | USA | 2 |
|  |  | VEN | 1 |
|  |  | VTN | 1 |

**4. Administrations not having a national allotment in the Plan**

A number of Administrations do not have an allotment in the Appendix 30B Plan or assignments in the List, essentially because they joined the Union after 1988. Among them, seven Member States sent requests for national allotments after WRC-19 in accordance with Article 7 of Appendix 30B and their requests have been published in AP30B/A6A Special Sections as indicated in the following table.

Table 10

Requests for new allotment under Article 7 of Appendix **30B** and their publications

| Administration | Proposed Allotment | Special Sections  published |
| --- | --- | --- |
| SRB | SRB00000 (26.7W) | AP30B/A6A/605  (IFIC 2936 of 22.12.2020) |
| MKD | MKD00000 (16.7W) | AP30B/A6A/606  (IFIC 2938 of 26.01.2021) |
| BIH | BIH00000 (46.0E) | AP30B/A6A/607  (IFIC 2941 of 09.03.2021) |
| MDA | MDA00000 (75.1E) | AP30B/A6A/608  (IFIC 2943 of 06.04.2021) |
| SSD | SSD00000 (23.9W) | AP30B/A6A/609  (IFIC 2944 of 20.04.2021) |
| GEO | GEO00000 (78.0E) | AP30B/A6A/610  (IFIC 2946 of 18.05.2021) |
| HRV | HRV00000 (63.0E) | AP30B/A6A/611  (IFIC 2947 of 01.06.2021) |

As all the proposed allotments affect and/or are affected by assignments or allotment(s) of other Administrations, the Administrations listed in the above table have to reach an agreement with the affected Administration or modify the characteristics of their proposed allotments. The Radio Regulation Board (RRB) has adopted at its 89th meeting in March 2022, as an interim measure until WRC-23, some additional regulatory measures to facilitate the entry into the Plan of those proposed allotments without degradation.

Beyond the abovementioned seven countries that have submitted their requests for a new allotment in the Appendix 30B Plan, the following seven (7) Administrations do not have an allotment in the Appendix 30B Plan: Eritrea, Estonia, Latvia, Saint Lucia, Tajikistan, Timor-Leste (Dem. Rep. of), and Turkmenistan. Furthermore, the State of Palestine[[1]](#footnote-1) has no allotment in the Appendix 30B Plan whereas it has planned frequency assignments in the Appendices 30 and 30A Plans.

Due to the increasing number of additional systems in the List or in the process of entering the List, it becomes more and more difficult to find an orbital slot for a new allotment without degradation and without coordination requirements. Some proposals for improving the situation are expected to be discussed by WRC-23 under Agenda Item 7. Other relevant issues will also be reported to WRC-23 by the Radio Regulations Board in its report under Resolution 80 (Rev.WRC-07).

**5. Difficulties to operate a modern FSS system with the parameters of** **Appendi**x **30B**

In spite of the fact that WRC-07 revised the basic technical characteristics of the FSS Plan allotments based on the technology then available, some of these technical parameters have become obsolete.

In particular, the Plan assumes that earth stations with an antenna diameter of 5.5 m in the 6/4 GHz bands and of 2.7 m in the 12-13/10-11 GHz bands would be used. Such large antennas are not corresponding to the widely used VSAT stations and could not meet the demand for many emerging satellite applications.

Annex 2

Role of ITU in the implementation of the “Space2030” Agenda

**1. Introduction**

The [**“Space2030” Agenda**](https://www.unoosa.org/oosa/oosadoc/data/resolutions/2021/general_assembly_76th_session/ares763.html) is a “forward-looking strategy for reaffirming and strengthening the contribution of space activities and space tools to the achievement of global agendas[[2]](#footnote-2), addressing long-term sustainable development concerns of humankind.” (see § 6 of the Agenda).

The “Space2030” Agenda comprises a set of objectives that UN Member States have agreed to pursue. In particular, the actions described in the Agenda could be taken by the Member States to realize those objectives.

**2. Structure of the “Space2030” Agenda**

The four overarching objectives of the Agenda are “structured around the four pillars of space economy, space society, space accessibility and space diplomacy. Those four pillars are complementary and mutually reinforcing.” (see § 19 of the Agenda):

* Overarching objective 1: Enhance space-derived economic benefits and strengthen the role of the space sector as a major driver of sustainable development (this part contains 8 specific objectives).
* Overarching objective 2: Harness the potential of space to solve everyday challenges and leverage space-related innovation to improve the quality of life (this part contains 8 objectives).
* Overarching objective 3: Improve access to space for all and ensure that all countries can benefit socioeconomically from space science and technology applications and space-based data, information and products, thereby supporting the achievement of the Sustainable Development Goals (this part contains 10 objectives and is highlighted in *resolves* 1 of Resolution 218 (Bucharest, 2022)).
* Overarching objective 4: Build partnerships and strengthen international cooperation in the peaceful uses of outer space and in the global governance of outer space activities (this part contains 10 objectives and is mentioned in *recalling c)* of Resolution 218 (Bucharest, 2022)).

**3. Contribution of ITU Thematic Priorities in the Implementation of the “Space2030” Agenda**

The ITU activities related to space are supporting most of the 36 objectives of the “Space2030” Agenda through the five thematic priorities described in section 2.6 of Annex 1 to the Strategic Plan for the Union for 2024-2027 contained in Resolution 71 (Rev. Bucharest, 2022):

* Spectrum use for space and terrestrial services: in the context of space services, this thematic priority aims at improving the use of the spectrum/orbit resources by radiocommunication services, while coordinating efforts to prevent and resolve harmful interference between space and earth stations of ITU Member States, therefore ensuring an interference-controlled environment for operating space systems reliant on the use of radio frequencies.
* International telecommunication numbering resources: this thematic priority is supporting the access of satellite communication systems, that are inherently international, to the indispensable international telecommunication numbering resources, on which they rely to deliver international communication services.
* Inclusive and secure telecommunication/ICT infrastructure and services: in the context of the Agenda, this thematic priority aims at providing enhanced connectivity and access for all to fixed and mobile broadband services through the use of satellite communication systems when they are best suited to deliver such services in an inclusive, secure and resilient manner.
* Digital applications: under this thematic priority, the enhanced adoption and use of telecommunication/ICT applications made possible by an increased deployment of space-based networks and services needed for such applications is planned to deliver an improved capacity for Member States to leverage innovation and entrepreneurship for sustainable development in line with the objectives set forth in the Overarching objective 1 of the Agenda.
* Enabling environment: policy and regulatory environments designed under this thematic priority by taking into account the specificities of space technologies would ensure that the advantages of these technologies are available to Member States when relevant, thereby increasing the number of policy options for delivering universal connectivity and implementing a sustainable digital transformation.

The implementation of the “Space2030” Agenda by Member States is facilitated by the establishment of partnerships as well as support from a number of international and regional mechanisms, programmes, projects and platforms described in section II of Part B of the Agenda. ITU is cooperating with, or contributing to, a number of these entities or programmes as described in the Council document on the collaboration with the United Nations system (see Document [C23/49](https://www.itu.int/md/S23-CL-C-0049/en)).

Annex 3

UN Inter-Agency Meetings on Outer Space Activities (UN-Space)

The UN Inter-Agency meetings on Outer Space Activities started in the mid-1970s before being referred to as “UN-Space” by the General Assembly resolution 68/75a of December 2013.

UN-Space is a mechanism to promote collaboration, synergy, exchange of information and coordination of plans and programmes of United Nations entities (departments, offices, funds, programmes and specialized agencies) in the implementation of activities involving the use of space technology and its applications.

The Office for Outer Space Affairs leads UN-Space and acts as its secretariat. Thirty-two United Nations entities are participating. (<https://www.unoosa.org/oosa/en/ourwork/un-space/po.html>)

The 41st session of [UN-Space](https://www.unoosa.org/oosa/en/ourwork/un-space/iam/41st-session.html) was held on 6 and 7 December 2022 and hosted by the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) in Bangkok, Thailand. It included orientation on the latest developments in the peaceful uses of outer space and discussed the preparation of the upcoming Report of the UN Secretary-General on the coordination of space-related activities within the United Nations system.

During the 2022 session, the agencies gave updates on the latest developments in the peaceful uses of outer space, including on the “Space2030” Agenda in order to report to the UN Secretary-General on the coordination of space-related activities within the United Nations system. This report includes directions and anticipated results for the period 2022-2023 and will be submitted to the Committee on the Peaceful Uses of Outer Space in June 2023.

ITU is contributing to the UN-Space special reports on initiatives and applications for space-related inter-agency cooperation. In 2022, a special report focusing on climate change [“Space for climate action”](https://www.unoosa.org/oosa/oosadoc/data/documents/2022/aac.105/aac.1051264_0.html) was issued. Another special report on capacity building is currently under preparation and is planned for publication in 2023.

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1. See Resolution 99 (Rev. Antalya, 2006) of the Plenipotentiary Conference. [↑](#footnote-ref-1)
2. The 2030 Agenda for Sustainable Development, the Sendai Framework for Disaster Risk Reduction 2015–2030 and the Paris Agreement. [↑](#footnote-ref-2)