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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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| PLENARY MEETING | **Addendum 7 to Document 4-E** |
|  | **27 October 2015** |
|  | **Original: English** |
|  | |
| Director, Radiocommunication Bureau | |
| Resolution 74 (Rev. WRC-03) | |
| Additional information relevant to  Part 1 of the Director's Report | |
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During the 2012-2015 study period, Study Group 7 prepared a report on the protection of SRS earth stations from aircraft stations in the 2 200-2 290 MHz band, which was subsequently approved as Report ITU-R SA.2276-0. This Report gives separation distances between aircraft stations and several SRS earth stations as a function of aircraft altitudes to protect the SRS earth stations. The results show that the current 500 km predetermined coordination distance given in Table 10/Annex 7/Appendix **7** of the Radio Regulations is not sufficient to protect the SRS earth stations and actually 880 km would be needed to protect them. Based on this report, ITU-R approved new Recommendation ITU-R SA.2078-0, proposing the use of 880 km as the coordination distance between SRS earth stations and aircraft stations.

As foreshadowed in Section 4 of Addendum 1to document CMR15/4(Add.1), and in accordance with *resolves* 1 of Resolution **74 (Rev. WRC-03),** this matter was brought to the attention of the Radiocommunication Assembly 2015 (see Doc. [7/1005-E](http://www.itu.int/md/R12-SG07-RP-1005/en)**)**.

In accordance with *resolves* 2 of Resolution **74 (Rev. WRC-03)**, the Radiocommunication Assembly 2015 confirmed the improvements of the methods in *considering d)* for determination of the coordination area of an earth station and/or the values of technical coordination parameters which have been presented by ITU‑R.

Consequently, in accordance with *invites* 1 of Resolution **74 (Rev. WRC-03)**, WRC-15 is invited to consider the revision Appendix **7** of the Radio Regulations as shown in Attachment 1.

Attachment 1

Proposed revision of Appendix **7** of the Radio Regulations

APPENDIX 7 (REV.WRC‑12)

Methods for the determination of the coordination area around an earth  
station in frequency bands between 100 MHz and 105 GHz

ANNEX 7

System parameters and predetermined coordination distances for determination of the coordination area around an earth station

# 3 Horizon antenna gain for a receiving earth station with respect to a transmitting earth station

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TABLE 10     (WRC-07)

Predetermined coordination distances

|  |  |  |
| --- | --- | --- |
| Frequency sharing situation | | Coordination distance (in sharing situations involving services allocated with equal rights) (km) |
| Type of earth station | Type of terrestrial station |
| Ground-based in the bands below 1 GHz to which No. 9.11A applies. Ground-based mobile in the bands within the range 1‑3 GHz to which No. 9.11A applies | Mobile (aircraft) | 500 |
| Aircraft (mobile) (all bands) | Ground-based | 500 |
| Aircraft (mobile) (all bands) | Mobile (aircraft) | 1 000 |
| Ground-based in the bands:  400.15-401 MHz 1 668.4-1 675 MHz | Station in the meteorological aids service (radiosonde) | 580 |
| Aircraft (mobile) in the bands:  400.15-401 MHz 1 668.4-1 675 MHz | Station in the meteorological aids service (radiosonde) | 1 080 |
| Ground-based in the radiodetermination-satellite service (RDSS) in the bands:  1 610-1 626.5 MHz 2 483.5-2 500 MHz  2 500-2 516.5 MHz | Ground-based | 100 |
| Airborne earth station in the radiodetermination-satellite service (RDSS) in the bands:  1 610-1 626.5 MHz 2 483.5-2 500 MHz 2 500-2 516.5 MHz | Ground-based | 400 |
| Receiving earth stations in the meteorological-satellite service | Station in the meteorological aids service | The coordination distance is considered to be the visibility distance as a function of the earth station horizon elevation angle for a radiosonde at an altitude of 20 km above mean sea level, assuming 4/3 Earth radius (see Note 1) |
| Non-GSO MSS feeder‑link earth stations (all bands) | Mobile (aircraft) | 500 |
| Receiving earth stations in the space research service in the band: 2 200-2 290 MHz | Mobile (aircraft) | 880 |
| Ground-based in the bands in which the frequency sharing situation is not covered in the rows above | Mobile (aircraft) | 500 |

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