



Radiocommunication Bureau (BR)

Circular Letter
CR/521

15 August 2025

To the Administrations of ITU Member States

Subject: Participation in Resolution 609 (Rev. WRC-07) Consultation Meetings

In accordance with Resolution **609 (Rev.WRC-07)**, Consultation Meetings should be held on a regular basis to achieve the level of protection for the aeronautical radionavigation service (ARNS) systems operating in the 1164-1215 MHz frequency band.

In accordance with *resolves* 2 of this Resolution, administrations operating or planning to operate in the 1164-1215 MHz frequency band radionavigation-satellite service (RNSS) systems or networks shall, in collaboration, take all necessary steps, including, if necessary, by means of appropriate modifications to their systems or networks, to ensure that the aggregate interference into ARNS systems caused by such RNSS systems or networks operating co-frequency in these frequency bands is shared equitably among the systems that have met the criteria listed in the Annex to this Resolution, and does not exceed the epfd level produced by all space stations of all RNSS systems of $-121.5 \text{ dB(W/m}^2\text{)}$ in any 1 MHz band. To achieve these objectives, administrations operating or planning to operate RNSS systems will need to agree cooperatively through regular consultation meetings to achieve the required level of protection for ARNS systems.

The Radiocommunication Bureau has made available a webpage with information on these Consultation Meetings, which also provides the most recent list of Article **9** and Article **11** filings for RNSS frequency assignments in the 1164-1215 MHz frequency band:

<https://www.itu.int/en/ITU-R/space/Pages/res609.aspx>.

Therefore, all administrations that have submitted satellite network filings for RNSS frequency assignments in the 1164-1215 MHz frequency band **are reminded of their obligation to participate in the Consultation Meetings**. Information about the exact date and the venue is available on the website mentioned above.

These administrations are also requested to provide the name and contact information of a responsible person who can request to be granted access to the SharePoint site and the mailing list of the Consultation Meeting, so that they may be informed of the planning for the upcoming meeting. To gain access to the SharePoint and be added to the mailing list, the responsible person needs to send a request using the following link:

<https://www.itu.int/en/ITU-R/space/Pages/RES-609-Subscription-Information.aspx>

Clarifications on the compliance with the pfd limit in the *recommends 1* of the Recommendation 608 (Rev. WRC-07)

In order to allow multiple RNSS systems to operate in the frequency band 1164-1215 MHz, *resolves 5* of Resolution **609 (Rev.WRC-07)** states that “no single RNSS system shall be permitted to use up the entire interference allowance specified in *resolves 1* above in any 1 MHz of the 1 164-1 215 MHz band (see Recommendation **608 (Rev.WRC-07)**)”.

Recommendation **608 (Rev.WRC-07)** recommends that, in the implementation of *resolves 5* of Resolution **609 (Rev.WRC-07)**, in the frequency band 1164-1215 MHz, the maximum pfd produced at the surface of the Earth by emissions from a space station in the RNSS, for all angles of arrival, should not exceed $-129 \text{ dB(W/m}^2\text{)}$ in any 1 MHz band under free space propagation conditions. As per *instructs the Radiocommunication Bureau 2* of Resolution **609 (Rev.WRC-07)**, the Bureau determines whether this pfd limit is exceeded by assignments of the RNSS space stations subject to this Resolution and publishes the result in accordance with *instructs the Radiocommunication Bureau 3* of this Resolution.

Moreover, the Bureau would like to remind administrations that, at the same time WRC-03 adopted Resolution **609** and Recommendation **608**, this Conference also adopted a new data item in Annex 2 to Appendix **4**, which corresponds to the current data item **A.17.a**. According to this data item, for RNSS satellite systems operating in the frequency band 1 164-1 215 MHz, administrations shall provide a commitment of compliance with per-satellite power-flux density level produced at the Earth’s surface of $-129 \text{ dB(W/(m}^2\cdot\text{MHz))}$ in any 1 MHz band under free space propagation conditions.

Consequently, while any exceedance of the pfd level computed from the technical characteristics provided in the filing may not lead to unfavourable findings under Nos. **9.35/11.31**, the submission of a commitment of compliance with the value indicated in item **A.17.a** of Annex 2 to Appendix **4** is mandatory. Any statement provided with the filing that the satellite system/network will not meet this pfd level will render the required commitment void. In such case or if this mandatory commitment is absent in a relevant filing, the submission of the satellite system or network will then be considered as incomplete under No. **9.40A** or No. **11.27**.

The Bureau remains at the disposal of your Administration for any clarification you may require with respect to the subject covered in this Circular Letter. For any assistance, please contact BRMAIL@itu.int.

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Director

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