



Radiocommunication Bureau (BR)

Circular Letter
CR/356

Geneva, 4 February 2014

To Administrations of Member States of the ITU

Subject: **Publication of calculated power control values for Appendix 30A Regions 1 and 3 feeder-link Plan and List assignments**

The World Radiocommunication Conference 2000 (Istanbul, WRC-2000) adopted the revised Plans for the Broadcasting-Satellite Service and the associated feeder-link for Regions 1 and 3 as well as the Regions 1 and 3 downlink and feeder-link Lists of additional uses. The Conference also adopted Footnote 32 to Article 9A of Appendix **30A** that applies to assignments in the Regions 1 and 3 Plan, stating that power control values (permitted increase in earth station e.i.r.p (dB) to overcome rain fading) will be calculated after WRC-2000.

The Bureau is pleased to inform administrations that it has completed the development of a new version of the Power Control calculation software application (GIBC/**Power Control** version 1.0.0.0) using the procedure contained in § 3.11 of Annex 3 to Appendix **30A** (Rev.WRC-12). In this new version, the Bureau has incorporated all modifications to the technical criteria adopted by WRCs since 2000 in a new programming environment.

Pursuant to the above-mentioned Footnote 32, the Bureau has computed power control values for all assignments in the Regions 1 and 3 feeder-link Plan as adopted by WRC-2000. The Bureau has posted the calculated power control values in tabular format on the ITU website at the following address:

<http://www.itu.int/en/ITU-R/space/plans/Pages/AP30-30A.aspx>

The same information is also included in the BR IFIC (Space Services) DVD-ROM No. 2762 of 4 February 2014. The GIBC/**Power Control** software application is also made available to administrations in this BR IFIC.

The Bureau has also calculated power control values for assignments in the Regions 1 and 3 feeder-link List with a request to use power control (i.e. a power control value was submitted under Appendix **4** data item C.8.i). The calculated power control values have also been posted on the above-mentioned ITU website and included in the same BR IFIC No. 2762 of 4 February 2014.

Nevertheless, § 3.11 of Annex 3 to Appendix **30A** and the associated Rules of Procedure on power control mention that the use of power control applies only for an assignment in the Regions 1 and 3 feeder-link Plan without reference to an application to the List. The Bureau will report this inconsistency to WRC-15 and seek clarification on whether an assignment in the Regions 1 and 3 feeder-link List can use power control in accordance with § 3.11 of Annex 3 to Appendix **30A**.

With regard to the assignments included by WRC-2000 in the Regions 1 and 3 feeder-link List, the SPS_ALL database used for calculation contains only assignments in the Regions 1 and 3 feeder-link Plan and those in the List as adopted by WRC-2000 with the removal of assignments which were subsequently cancelled.

With regard to the assignments included after WRC-2000 in the Regions 1 and 3 feeder-link List, the Bureau used the SPS_ALL_IFIC2759 database of 10 December 2013 as a basic input data source in order to avoid unnecessary constraints imposed by submissions which have already been cancelled. The corresponding SPS_ALL database used for computation for each assignment was created as follows:

- feeder-link assignments, including Article 4 pending submissions which did not exist on or before the date of receipt of the request for entry in the List of the subject assignment, were first removed from the SPS_ALL_IFIC2759 database;
- status of assignments in the List for which the Part B submission was received after the date of receipt of the request for entry in the List of the subject assignment were changed to pending status (receive-only) in order to reflect the situation at the time they entered into the List.

For a new assignment entering into the Appendix **30A** Regions 1 and 3 feeder-link List after BR IFIC (Space Services) No. 2759 of 10 December 2013 with a request to use power control, the power control value will be calculated using the SPS_ALL database at the time of the new assignment entering into the List.

The Bureau remains at the disposal of your Administration via the **brmail@itu.int** address for any clarification you may require with respect to the subjects covered in this Circular Letter.

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Director

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