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INTERNATIONAL TELECOMMUNICATION UNION

Radiocommunication Bureau

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Circular Letter
CR/39

03 July 1995

To Administrations of Members of the ITU

Subject: Rules of Procedure

Reference: Nos. 1001 and 1001.1 of the Radio Regulations
Circular-letter CR/32 of 5 December 1994

To the Director General

In accordance with the provisions of No 95 of the ITU Constitution, the Radio Regulations Board has adopted a new Rule of Procedure concerning the application of the Provisions of Appendix 3 of the Radio Regulations and has revised another Rule of Procedure on the application of the Resolution 46 interim procedure.

Attached to this Circular-letter you will find a copy of the new Rule on Appendix 3 as well as the revised page (with the usual revision marks added) of the Rule concerning Resolutions 46.

Yours faithfully

Robert W. Jones
Director

Attachment: Rules of Procedure

Distribution: Administrations of Members of the ITU

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Rules concerning

APPENDIX 3 to the RR

(Rules are arranged by paragraph numbers of Appendix 3.)

Section II

2.C.3.g)

When submitting a notice within the applicable procedures of Articles 11, 13 or 14 as well as of Resolution 46, in order to better describe the power flux density pattern on the surface of the Earth resulting from the emission of a space station aboard a non-geostationary satellite in circular orbit, the following optional information can be provided together with the other data contained in Appendix 3 to the Radio Regulations:

Appendix 3, Section II, Item 2.C.3 g) (antenna characteristics for a transmitting non-geostationary space station)

1. In addition to the information currently contained in Appendix 3 to be provided under this item, if appropriate, indicate:
 - 1.1 in the case of a transmitting space station aboard a non-geostationary satellite in a circular orbit that is intended to communicate with earth stations via a transmitting antenna pointing in a direction that is fixed with respect to the satellite, the maximum isotropic gain (dBi) and the gain contours plotted in a radial projection from the satellite onto a plane perpendicular to the axis from the centre of the Earth to the satellite. The space station antenna gain contours shall be drawn as isolines of the isotropic gain at least for -2, -4, -6, -10, and -20 dB and at 10 dB intervals thereafter, as necessary, relative to the maximum antenna gain, when any of these contours is located either totally or partially within the limit of visibility of the Earth from the given non-geostationary satellite.
 - 1.2. in the case of a space station aboard a non-geostationary satellite in a circular orbit where a steerable beam is used, data on the antenna radiation characteristics as follows:
 - if the effective boresight area (see RR 168A) is identical with the global or nearly global service area, provide only the maximum isotropic antenna gain (dBi) that is then applicable to all points on the surface of the Earth;
 - if the effective boresight area (see RR 168A) is less than the global or nearly global service area, provide the maximum isotropic gain and the effective gain contours (see RR 168B) as defined above.
 2. The additional information detailed in 1.1 and 1.2 above is considered as optional. When examining such a case, the Bureau shall use the more detailed information to calculate power flux density values if it is provided; if it is not the calculation shall be made as at present and be based on the maximum eirp transmitted.
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