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Subject: **Bringing into Use of the BERMUDASAT-1 Satellite Network Frequency Assignments under Appendices 30 and 30A**

- Ref.:
- a) Part I-S and Part II-S publications annexed to BR IFIC 2752 of 3 September 2013
 - b) Your Telefax AT-EZ/6846501 rev.1 of 23 September 2013
 - c) BR Telefax 30-30A5(SNP)/O.3740/13 of 16 October 2013 to the Administration of the United Kingdom
 - d) Email and telefax SSU0052 of 15 January 2014 from the Administration of the United Kingdom in response to BR Telefax referred to in c) above
 - e) BR Telefax 30-30A5(SNP)O-2014-000482 of 31 January 2014 to the Administration of the United Kingdom
 - f) Email of 12 February 2014 from the Administration of the United Kingdom to your Administration with attachment of its telefax referred to in d) above
 - g) Email and telefax SSU0052 of 13 February 2014 from the Administration of the United Kingdom in response to BR Telefax referred to in e) above

Dear Madam/Sir,

After an in-depth review of all information provided by your Administration and the Administration of the United Kingdom (referenced above), the Bureau would like to draw your attention to the following points concerning the bringing into use of the BERMUDASAT-1 satellite network frequency assignments.

Regarding the issue of whether or not the actual operating satellite for bringing into use the BERMUDASAT-1 satellite network frequency assignments was maintained at 96.2°W for a continuous period of at least 90 days, the Bureau requested the Administration of the United Kingdom to provide evidence to demonstrate that the indicated satellite (EchoStar 6) had actually been placed at the nominal orbital position for the requested period. The information provided in Attachment 2 to the correspondence referenced in d) above indicated that the EchoStar 6 satellite had been deployed and maintained at the notified orbital position of 96.2°W for a continuous period of 90 days since 13 April 2013 with station-keeping of ± 0.1 degrees in the E-W directions in accordance with section 3.11 of Annex 5 to Appendix 30. The same information was also transmitted to your Administration in the correspondence referenced in f) above. Although the planned longitudinal tolerance in the E-W directions (Appendix 4 Item A.4.a.2) was notified as 0.05 degrees, the information provided in Attachment 2 shows that the space station has the capability to maintain its position within this tolerance and no unacceptable interference was reported when the satellite's excursion exceeded this tolerance

Add. 118

The Bureau also requested the Administration of the United Kingdom to provide detailed information to validate the capability of the EchoStar 6 satellite to transmit and receive frequency assignments in accordance with the notified characteristics of the BERMUDASAT-1 satellite network. In this regard, the following information was made available to the Bureau:

- the frequency plan including the polarization of each channel and the connection between feeder-link channels and downlink channels;
- the downlink coverage area with an indication of e.i.r.p levels and the feeder-link coverage area;
- information describing the technical means by which the EchoStar 6 satellite may shift its actual coverage areas to match the BERMUDASAT-1 ones.


Taking the above information into account, the Bureau concluded that the EchoStar 6 satellite has the capability of transmitting or receiving the frequency assignments in accordance with the notified characteristics of the BERMUDASAT-1 satellite network.

In light of the above, the Bureau concluded that the frequency assignments of the BERMUDASAT-1 satellite network were brought into use in accordance with No. **11.44B** within the regulatory timeframe of Appendices **30** and **30A**.

The Bureau remains at your disposal for any further inquiry and/or clarification you may require in the matter.

Yours faithfully,

Yvon Henri
Chief, Space Services Department


TP/MG/AD
17.02.2014

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