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JUN 21 2016

Our File: 3150-1 (691963 SS)

Mr. Jose Albuquerque
Chief, Satellite Division
International Bureau
Federal Communications Commission
Washington D.C. 20554
United States of America

Dear Mr. Albuquerque:

Innovation, Science and Economic Development Canada (the "Department") has received a request from Telesat Canada (Telesat) to operate the Telstar 12 satellite at the 109.2°W orbital position under Canadian authority. Telesat wishes to operate Telstar 12 in accordance with the CANSAT-64 network filed with the International Telecommunication Union (ITU) by the Administration of Canada.

Telstar 12 has most recently been operated at the 15°W orbital position, under licence by the Federal Communications Commission (FCC) (Call Sign S2462). It is our understanding that Telesat has recently been granted special temporary authority to drift the satellite from the 15°W to the 109.2°W orbital position.

Telesat holds a valid spectrum authorization from the Department for the 109.2°W orbital position (our File: 3150-1 (674031 CP)), with plans to deploy a new satellite by 2021. The Department requests the FCC's agreement to allow the operation of Telstar 12 under above-noted Canadian authorization. We would also like to confirm our informal understanding of the details of this arrangement, as outlined in the attachment to this letter.

Should you have any questions about this arrangement, please contact Ms. Shari Scott at 613-986-0017.

Yours sincerely,

Suzanne Lambert
Director, Space Services – Operations

Attachment

Attachment

Mutual Informal Understanding of the Administration of Canada and the Administration of the United States for the Operation of the Telstar 12 Satellite at the 109.2°W Orbital Position

Telstar 12 operations would be authorized by the Federal Communications Commission (FCC) during the drift from 15°W to 109.2°W (under FCC special temporary authority) and at 15°W (under modified FCC license).

Telstar 12 would be subject to Canadian authority (licence from Innovation, Science and Economic Development (ISED) held by Telesat Canada) while at $109.2 \pm 0.1^\circ\text{W}$ (see ITU RR 22.8). Such authority will allow ISED to require Telesat Canada to modify or cease operations if deemed necessary.

While Telstar 12 is at $109.2 \pm 0.1^\circ\text{W}$, the Canadian administration would have responsibility for compliance with the ITU Radio Regulations, and in particular the coordination and notification procedures.

While at 109.2°W , technical activities for control and monitoring of Telstar12 will be performed by Telesat Canada from its Ottawa operations center. Radio frequency links for telemetry, telecommand and control functions would be through an earth station in Mount Jackson, VA USA, licensed to a subsidiary of Telesat Canada.

Any operation of T12, other than at $109.2 \pm 0.1^\circ\text{W}$, would be subject solely to FCC authorization. That is, if Telstar 12 is relocated, de-orbited, or otherwise does not remain at $109.2 \pm 0.1^\circ\text{W}$, it would do so solely under FCC license or subject to FCC authority.

The FCC will retain the right in the event of extraordinary circumstances to direct Telesat to cease or modify Telstar 12 operations, following communication with ISED.

ISED would provide the FCC with written notice of any planned termination or expiration of the ISED licence, or of the operations of Telstar 12 at $109.2 \pm 0.1^\circ\text{W}$ under ISED authorization.

ISED would include as a condition of licence that Telesat Canada will implement space debris mitigation measures, including maintaining (barring catastrophic failure of satellite components precluding such maintenance) the capability to de-orbit Telstar 12 in accordance with ITU Recommendation ITU-R S.1003-2.

Pursuant to the 1976 U.N. Convention on Registration of Objects Launched into Outer Space, the United States has registered the Telstar 12 satellite. See ST/SG/SER.E/369 (29 March 2000).

The mutual understanding would not constitute concurrence by the FCC or the USA Administration with any Canadian networks filed with the ITU-BR for the 109.2°W orbital location.

With respect to Paragraph 3.2 of the Minutes of the 13th Plenary Meeting of WRC-12 (as set out in ITU Circular Letter CR/333), the FCC will not object to ISED maintaining in use the frequency assignments of the CANBSS-64 filing in relevant frequency bands, based upon the capability of Telstar 12.