## Exhibit D

## **Coordination Letter**

Teles

June 11, 2010

Federal Communications Commission International Bureau 445 12th Street, S.W. Washington, D.C. 20554

## Re: Eugineering Certification with respect to Telstar 11N

To Whom It May Concern:

This letter certifies that Telesal Canada ("Telesat") is aware that Row 44, Inc. ("Row 44") is seeking to modify its existing Federal Communications Commission ("FCC") blanket authorization for operation of aeronautical mobile-satellite service ("AMSS") transmit/receive Earth stations, on a non-conforming, non-harmfulinterference basis, using fixed-satellite service ("FSS") frequencies pursuant to ITU RR 5.504A. Row 44 is seeking to modify its FCC authorization to add an additional point of communication, Telesat's Telstar 11N satellite at 37.55° West Longitude.

Telesat understands that Row 44's primary transmit/receive antenna is an AMSS steerable antenna manufactured by TECOM designed to provide bi-directional broadband services to aircraft in flight. We have been advised by Row 44 as follows: The antenna is identified by the model number Ku-Stream 1000. It supports reception and transmission in the 11.45-12.2 GHz /14.05-14.47 GHz bands with independent linear polarized array antennas to and from a geostationary satellite in space. The antenna is an independent linear polarized array that is 0.62 meters in size. For purposes of the North Atlantic operations anticipated by the proposed license modification, these units would operate with a transmit gain of 28.8 dBi at 14.25 GHz and a receive gain of 31.1 dBi at 11.75 GHz. The antenna operates under gimbaled motor control to orient the antenna in azimuth, elevation and polarization and achieves  $a \pm 0.2$  degree pointing accuracy during active tracking of the intended satellite.

Based on our review of the technical specifications of the antenna and conversations with Row 44, we believe that the antenna complies with Section 25.209 of the FCC's Rules with respect to the off-axis co-polarization gain in the plane of the geostationary satellite orbit and to the off-axis cross polarization gain, provided the skew angle (i.e., the angle between the antenna azimuth plane and the direction along the GSO FCC International Bureau June 11, 2010 Page 2 of 4

at the corresponding satellite location) does not exceed 35°. The actual skew angle is constantly monitored by the antenna control system and the aircraft transmitter will be muted in the event that this skew angle of 35° is exceeded. When communicating with Telstar 11N, Row 44 advises that it will operate its antenna within the 14.05-14.47 GHz FSS uplink band and the 11.45-12.2 GHz FSS downlink band with a maximum equivalent isotropically radiated power (EIRP) of 41.8 dBW in a 2 MHz signal bandwidth and an EIRP spectral density level that is compliant with Section 25.222 of the Commission's Rules. See 47 C.F.R. § 25.222.

Telesat further understands that Row 44 will maintain the forward (hub<sup>1</sup> to AES) downlink maximum EIRP density for communications using Telstar-11N such that it will not exceed 10 dBW/4kHz, which is in compliance with the 10 dBW/4kHz specified in Section 25.134(g)(2) of the FCC's rules. Row 44 has advised us that it will maintain the forward downlink EIRP density and the off-axis EIRP spectral density by tight control of system operation that includes:

1) maintaining peak pointing error to be  $\leq 0.2$  degrees, relative to the intended satellite;

 fault detection that terminates transmissions when out of tolerance conditions (including the antenna pointing error) are detected; and

 continuous monitoring/oversight by ground network operations center (NOC).

Based on the foregoing, Telesat supports Row 44's assertion that the use of the above referenced transmit/receive antenna by Row 44, installed and operated in accordance with the above conditions, is within the levels coordinated with the adjacent satellite operators and should not cause unacceptable interference into adjacent satellites operating in accordance with FCC's two-degree spacing policy. Telesat has no intention to change or amend any of the applicable coordination agreements with its adjacent satellite operators in a manner that would preclude Row 44's operations as specified above. Row 44 has advised us that it shall comply with all such coordination agreements.

In order to prevent unacceptable interference into adjacent satellites, Telesat has been informed, and Row 44 acknowledges, that the antennas will be installed and operated in accordance with the above conditions and/or any other operational requirements specified in the modified FCC license ultimately granted to Row 44. In particular, the proposed antenna will operate in compliance with the FCC's two-degree spacing requirements, including the pointing accuracy and shutdown requirements of Section 25.222(a) of the FCC's Rules that apply to mobile Earth stations on vessels. See 47 C.F.R. § 25.222(a).

<sup>1</sup> The hub station being used for this service is licensed to HNS License Sub LLC under Call Sign E940460.

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If the use of this antenna should cause unacceptable interference into other systems, Row 44 has agreed that it will terminate transmissions immediately upon notice from the affected parties.

Based on Row 44's commitment to the operating conditions stated above, we believe that satellites operating at two-degree spacing or more should not experience unacceptable interference, and the undersigned satellite operators have no objection to modification of Row 44's AMSS blanket license (Call Sign E080100) as outlined here to include Telstar 11N as a point of communication at 37.55° W.L.

Sincerely,

Robert Condurso Director, Government and Regulatory Affairs Telesat Canada

Acceptance by Row 44, Inc.:

Row 44 affurns that the information provided to Telesat Canada and reflected in this coordination letter is true and accurate to the best of Row 44's knowledge, information and belief, and that it shall comply with all relevant coordination agreements, as provided herein.

John Guidon President & CEO Row 44, Inc. FCC International Bureau June 11, 2010 Page 4 of 4

Acceptance by Intelsat LLC:

Intelsat agrees to operation of the above antenna with the technical parameters described herein with respect to Intelsat-25 at 31.5° WL, Intelsat-903 at 34.5° WL and Intelsat-3R (formerly PAS-3R) at 43° WL, each of which operates within six degrees of Telstar 11N.

Jose Albuquerque Senior Director, Spectrum Engineering Intelsat LLC

Acceptance by SES Americom, Inc.:

SES Americom agrees to operation of the above antenna with the technical parameters described herein with respect to NSS-806 at 40.5° WL, which operates within six degrees of Telstar 11N.

Krish Jonnalagadda

Satellite Marketing Development, Manager SES Americom, Inc.