

Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554

In the Matter of	)	
	)	
Astronics AeroSat Corporation	)	File No. SES-LIC-20140902-0068
	)	Call Sign E140087
Application for Blanket License to Operate	)	
1000 Technically Identical Ku-Band Transmit/	)	
Receive Earth Stations Aboard Aircraft	)	

APPLICATION AMENDMENT

Pursuant to § 25.116 of the Federal Communications Commission (“FCC” or “Commission”) Rules<sup>1</sup>, Astronics AeroSat Corporation (“Astronics AeroSat”) hereby amends its earth stations aboard aircraft (“ESAA”) blanket license application File No. SES-LIC-20140902-00688, Call Sign E140087, to clarify the downlink (receive) frequencies for operation with certain proposed satellite points of communication.

In the original application narrative, Astronics AeroSat included a table summarizing, among other things, the downlink frequencies and coverage areas of its proposed satellite points of communication.<sup>2</sup> These downlink frequencies were also discussed in a narrative overview of the operating frequencies and coverage areas of each proposed satellite point of communication.<sup>3</sup>

It appears that certain downlink frequency ranges that are not associated with the specific satellite beams in which Astronics AeroSat seeks to operate were inadvertently included in the

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<sup>1</sup> 47 C.F.R. § 25.116.

<sup>2</sup> See Application of Astronics AeroSat Corporation for Blanket License to Operate 1000 Technically Identical Ku-Band Transmit/Receive Earth Stations Aboard Aircraft, File No. SES-LIC-20140902-00688, at 6, Table 1.

<sup>3</sup> See *id.* at 7-13.

table. Astronics AeroSat hereby amends its application to reflect the following changes to the downlink frequency ranges of three proposed satellite points of communication:

- **IS-22 (S2846):** Astronics AeroSat seeks authority to use IS-22 capacity for ESAA operations in the 12.25-12.5 GHz band (space-to-Earth) outside the United States, principally the Southeast Asia and Indian Ocean regions.
- **Telstar-11N (S2357):** Astronics AeroSat seeks authority to use Telstar-11N capacity for ESAA operations in the 10.95-11.2 GHz band and the 12.5-12.75 GHz band (space-to-Earth) outside the United States, principally the Europe and Africa regions.
- **Telstar-14R (S2821):** Astronics AeroSat seeks authority to use Telstar-14R capacity for ESAA operations in the 11.45-11.7 GHz band (space-to-Earth) outside the United States, principally the North Atlantic Ocean region.

Astronics AeroSat provides the bulleted text above and attached table, which are intended to replace the summary text<sup>4</sup> and table included in the narrative, to clarify the frequencies on which Astronics AeroSat seeks to operate with each proposed satellite point of communication.<sup>5</sup> Astronics AeroSat has also amended the Frequency Coordination portion of FCC Form 312 to reflect these changes.<sup>6</sup> Astronics AeroSat respectfully requests that the Commission refer to the information set forth herein and the amended form for the downlink frequencies for each proposed satellite point of communication.

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<sup>4</sup> See *id.*, IS-22 at 9, Telstar-11N at 9, and Telstar-14R at 10.

<sup>5</sup> The footnotes included in the original table have been omitted.

<sup>6</sup> See FCC Form 312 at E51-55. No other changes are being made in this amendment. Thus, the original form should be referred to for all other technical parameters of Astronics AeroSat's proposed ESAA operations.

In summary, Astronics AeroSat hereby amends its ESAA blanket license application to reflect updated downlink frequencies as set forth herein.

Respectfully submitted,

ASTRONICS AEROSAT CORPORATION

By: s/ Frank Blanda

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**Table 1: Proposed Satellite Points of Communication**

<b>Satellite</b>	<b>Licensing Admin.</b>	<b>Orbital Location</b>	<b>Downlink Freq. (GHz)</b>	<b>ITU Region Coverage Area</b>	<b>Serves U.S.</b>
Galaxy 3C	United States	95° W.L.	11.7 – 12.2	2	Yes
IS-14	United States	45° W.L.	11.45 – 11.7	1	No
IS-19	United States	166° E.L.	12.25 – 12.75	2,3	No
IS-22	United States	72.1° E.L.	12.25 – 12.5	1,3	No
Telstar-11N	United States	37.5° W.L.	10.95 – 11.2 12.5 – 12.75	1	No
Telstar-14R (Estrela do Sul 2)	Brazil	63° W.L.	11.45 – 11.7	1,2	No
Telstar-12	United States	15° W.L.	11.45 – 12.2 12.5 – 12.75	2	No
E117WA (Satmex 8)	Mexico	116.8° W.L.	11.7 – 12.2	2	No
E172A	United States	172° E.L.	10.95 – 11.2 11.45 – 11.7 12.2 – 12.75	2,3	No
Apstar-7	China	76.5° E.L.	11.45 – 11.7	1,3	No

## Technical Certification

I, Frank Blanda, hereby certify that I am the technically qualified person responsible for the preparation of the technical information contained in the Astronics AeroSat blanket license application amendment for ESAA operating authority, that I am familiar with Part 25 of the Commission's Rules (47 C.F.R. Part 25), and that I have either prepared or reviewed the technical information submitted in this application and found it to be complete and accurate to the best of my knowledge and belief.

By:           s/ Frank Blanda          

Frank Blanda  
Astronics AeroSat Corporation  
Chief Technical Officer

November 17, 2014