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November 30, 2012

**VIA ELECTRONIC FILING**

Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554

Re: **Application of Panasonic Avionics Corporation for Special Temporary Authority  
File No. SES-STA-20120913-00820 (Call Sign E100089)**

Dear Ms. Dortch:

Panasonic Avionics Corporation (“Panasonic”), pursuant to Section 1.65 of the Commission’s Rules, 47 C.F.R. § 1.65, hereby submits supplemental information for association with the above-captioned application for special temporary authority (“STA”). Specifically, Panasonic seeks to clarify that the scope of the STA request is limited to U.S.-registered aircraft, as well as provide information regarding the downlink frequencies and coverage areas of the satellite points of communication to be utilized for eXConnect operations.

Please feel free to contact the undersigned if Panasonic can provide any additional information to facilitate expeditious action on its pending STA application.

Respectfully submitted,

Squire Sanders (US) LLP

*/s/ Carlos M. Nalda*

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Carlos M. Nalda

*Counsel to Panasonic Avionics Corporation*

Attachment

cc: Paul Blais, FCC International Bureau  
Stephen Duall, FCC International Bureau

37 Offices in 18 Countries

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## **SUPPLEMENTAL INFORMATION**

Further to its submission of November 15, 2012<sup>1</sup> and pursuant to Section 1.65 of the Commission's Rules, 47 C.F.R. § 1.65, Panasonic Avionics Corporation ("Panasonic") hereby clarifies certain information associated with the above-referenced request for special temporary authority ("STA"). Specifically, Panasonic seeks to clarify that the scope of the STA request is limited to U.S.-registered aircraft, as well as provide information regarding the downlink frequencies and coverage areas of the satellite points of communication to be utilized for eXConnect operations.

### **I. SCOPE OF STA REQUEST**

Panasonic's STA request, as supplemented via this and prior submissions, is prompted by the strong public interest benefits associated with commencement of commercial operations onboard its U.S. launch customer, United Airlines. Thus, Panasonic confirms that this STA request seeks Commission authority to operate the next-generation Aura LE antenna only on U.S.-registered aircraft operating within the United States and outside of U.S. airspace in the regions served by the requested satellite points of communication.

### **II. DOWNLINK (RECEIVE) FREQUENCIES**

Panasonic seeks to utilize the following satellite points of communication and downlink frequencies to operate the "eXConnect" aeronautical mobile-satellite service ("AMSS") system:

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<sup>1</sup> See Letter from Carlos M. Nalda to Marlene H. Dortch dated November 15, 2012 (File No. SES-STA-20120913-00820).

**Application for Special Temporary Authority**

FCC File No. SES-STA-20120913-00820

Panasonic Avionics Corporation

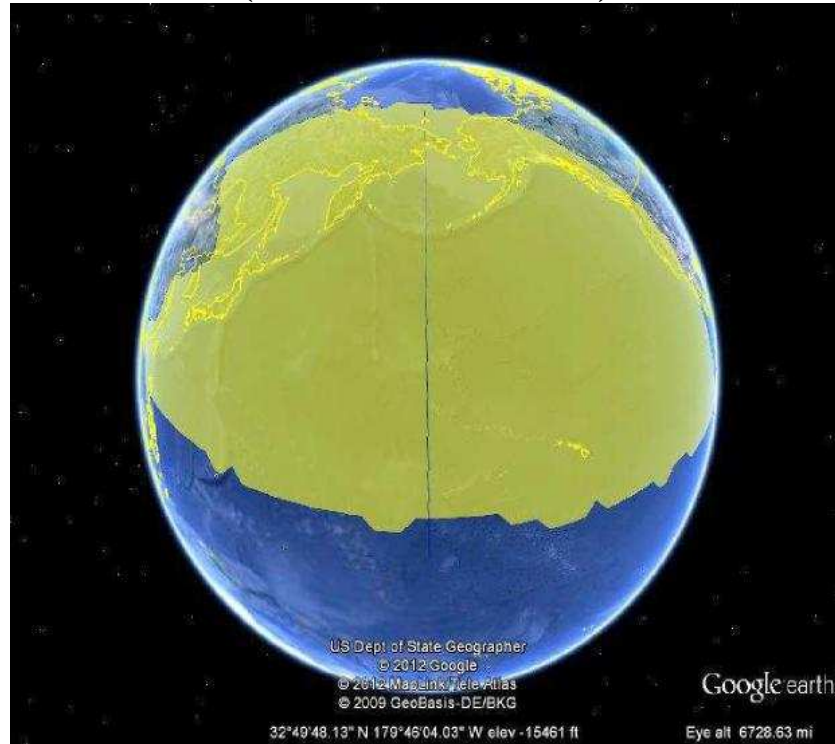
<b>Satellite</b>	<b>Orbital Location</b>	<b>Downlink Frequencies</b>	<b>Coverage Areas/ ITU Regions (R)</b>	<b>STA Operations in the U.S.?</b>
GE-23	172° E	11.45-11.7 GHz	North Pacific (R2, R3)	Yes (AK, HI)
		10.95-11.2 GHz 11.45-11.7 GHz	Southwest Pacific (R3) (Oceania, SE Asia)	No
		12.2-12.75 GHz	South Pacific (R3) (Australia/NZ)	No
G-17	91° W	11.7-12.2 GHz	North America (R2)	Yes (CONUS)
Estrela do Sul 2 (T-14R)	63 ° W	11.45-12.2 GHz	N. Atlantic Ocean (R1, 2) (Canada and Atlantic)	No
Telstar 11N	37.5° W	11.45-12.2 GHz	Atlantic Ocean (R1, 2)	No
		11.7-12.2 GHz	United States (R2)	Yes (CONUS)

As the Commission is aware, AMSS receive operations in Ku-band FSS downlink spectrum are on a non-conforming unprotected, non-interference basis only. In its original STA application, Panasonic requested a waiver of the U.S. Table of Allocations, 47 C.F.R. §2.106, with respect to the 11.7-12.2 GHz band. Given the additional satellites and downlink bands currently associated with the STA request, Panasonic extends its waiver request to the additional receive bands identified above. In this connection, Panasonic will only utilize receive spectrum allocated for FSS downlinks, will not claim protection from conforming uses of the spectrum and will cease operations upon notification that its receive operations are causing interference to any conforming use of the band.

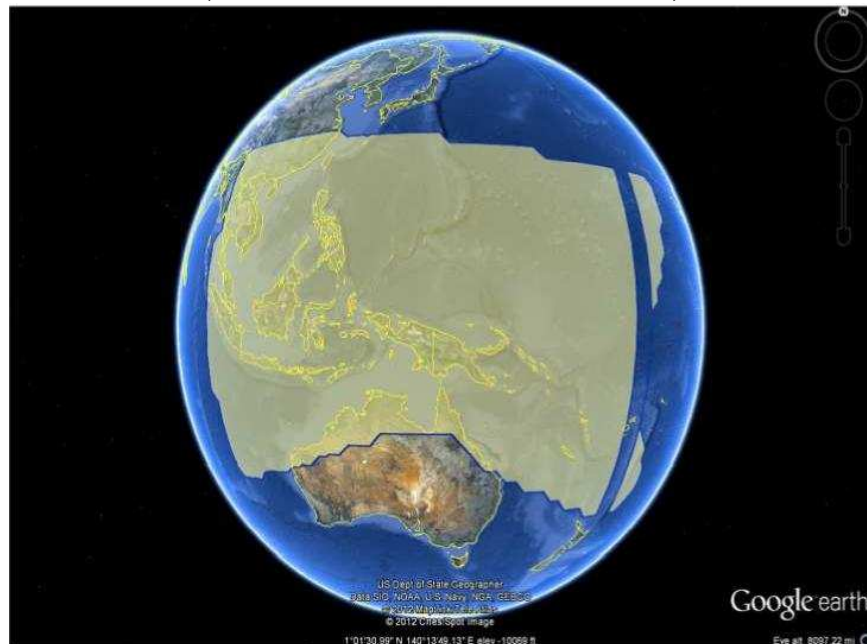
**III. COVERAGE AREAS**

Three of the four satellites Panasonic will utilize for eXConnect AMSS operations are U.S. licensed: GE-23, G-17, and T-11N. The fourth, EDS 2/T-14R, is on the Permitted Space Station List. The relevant service areas for each of these satellites are included below:

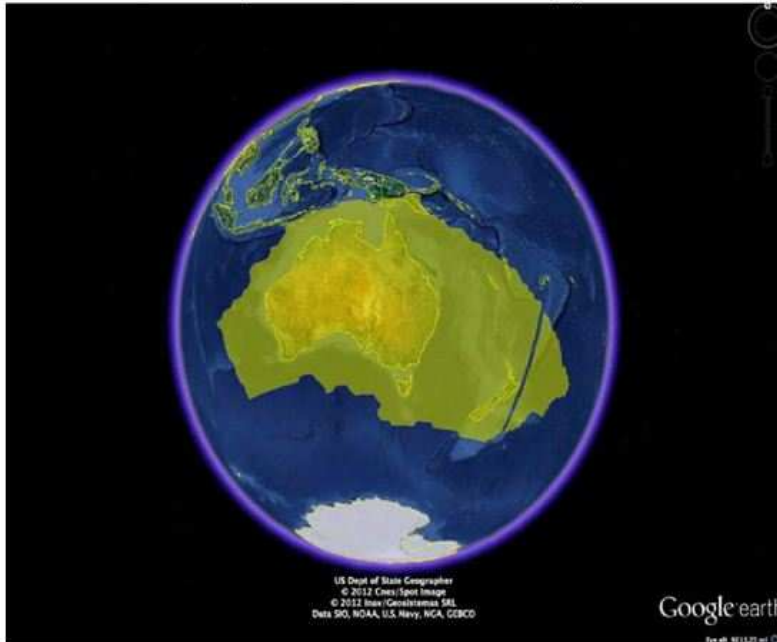
**GE-23  
(NORTH PACIFIC)**



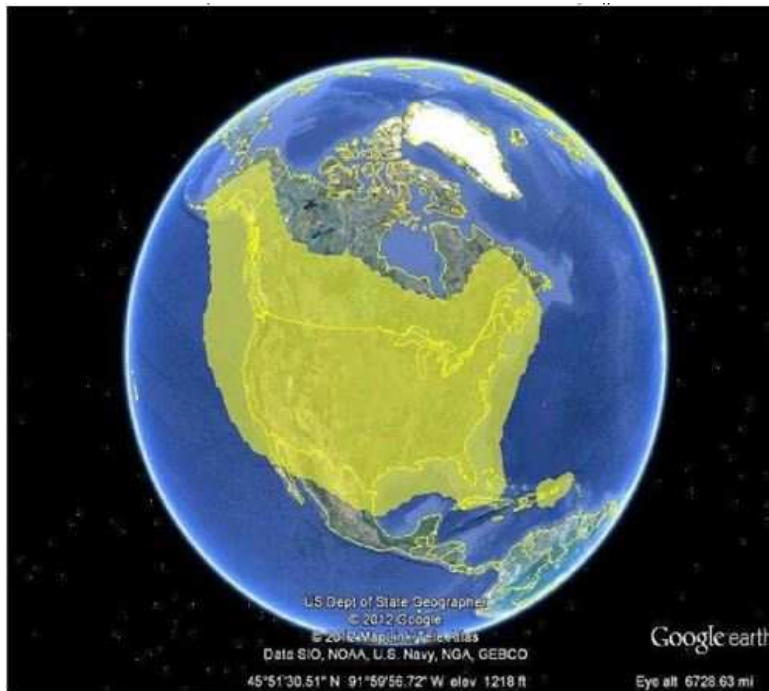
**GE-23  
(SOUTHWEST PACIFIC)**



**GE-23  
(SOUTH PACIFIC)**



**G-17  
(NORTH AMERICA)**

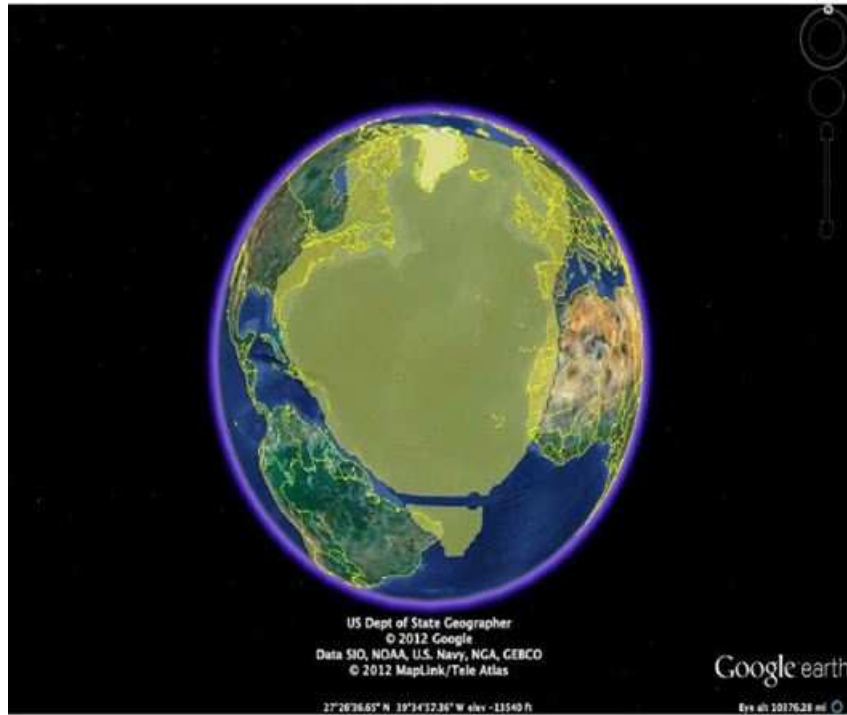


**Application for Special Temporary Authority**

FCC File No. SES-STA-20120913-00820

Panasonic Avionics Corporation

**T-11N  
(ATLANTIC OCEAN)**



**(UNITED STATES)**



**Application for Special Temporary Authority**

FCC File No. SES-STA-20120913-00820

Panasonic Avionics Corporation

**EDS 2/T-14R  
(NORTH ATLANTIC OCEAN)**

