6155 El Camino Real
Carlsbad, CA 92009-1699
Tel: (760) 476-2200
Fax: (760) 929-3941

Mr. Alexander Gulyaev
European Radiocommunications Office
Peblingehus
Nansensgade 19
DK-1366 Copenhagen K
Denmark

Re: Notification under ECC Decision (05)11 on the free circulation and use of Aircraft Earth Stations (AES) in the frequency bands 14.0-14.5 GHz (Earth-to-space), 10.7-11.7 GHz (space-to-Earth) and 12.5-12.75 GHz (space-to-Earth)

Viasat, Inc. hereby submits its notification of Aircraft Earth Stations pursuant to above-referenced ECC Decision. ViaSat's ArcLight® AMSS system will comply with the requirements listed in ECC/DEC(05)11.

The parameters of the ViaSat ArcLight® AMSS network that need to be submitted pursuant to Annex B of the Decision are attached to this letter.

Best regards,

Daryl Hunter, P.E.
Director, Regulatory Affairs
ViaSat, Inc.

Attachment: Information on the ViaSat ArcLight® AMSS system required by Annex B of ECC/DEC(05)11

Information on the ViaSat ArcLight® AMSS system required by Annex B of ECC/DEC(05)11

- **Points of Contact for AES network operator**

Network Operator's designated point of contact:

Title of Contact:	Mr. Daryl T. Hunter, P.E. Director, Regulatory Affairs
Postal Address:	ViaSat, Inc. 6155 El Camino Real Carlsbad, CA 92009 USA
Telephone and Fax numbers:	Tel: +1 760 476 2583 Fax: +1 760 929 3941
Email:	daryl.hunter@viasat.com

Network Control Facility (NCF) designated point of contact:

Title of Contact:	Network Manager NOC
Postal Address:	ViaSat, Inc. 6155 El Camino Real Carlsbad, CA 92009 USA
Telephone and Fax number:	Tel: +1 888−272−7232 +1 760 476 2600 Fax: +1 760 929 3931
Email:	noc-carlsbad@viasat.com

- **Technical Specifications of AES equipment type used in the network**

AES Antenna

Antenna type	Reflector Elliptical	Reflector Circular
Antenna size	65cm x 19.6cm	30cm
Transmit peak gain	32 dBi	31.4 dBi
Max e.i.r.p. per carrier	47 dBW	39 dBW
Transmit frequency bands	14.0-14.5 GHz	14.0-14.5 GHz
Min. operating elevation	5°	5°
Antenna pointing accuracy	0.25° rms (Az), 0.6° rms (El)	0.2° rms

Waveform characteristics

Number(s) of carriers per AES	1
Occupied bandwidth(s) per carrier (as defined in Harmonised Standard EN 302 186)	AB-2: 36 MHz T14: 9 MHz
Carrier center frequency(-ies)	AB-2: 14190 MHz T14: 14153 MHz
Modulation	Gaussian Minimum-Shift Keying (GMSK)
Multiple access scheme	Code Reuse Multiple Access (CRMA)

- **Operating details of each satellite**

ITU BR Filing Information

	Estrela do Sul (T14)	**Atlantic Bird 2**
ITU BR filing satellite network name	B-SAT 1	VIDEOSAT-6
ITU BR circular reference number and date of publication	AR11/C/3141/2362 26.01.1999	AR11/A/874 01.12.1992 - CR/C/92 02.04.2002
Satellite operator(s) (commercial) name	Loral Skynet	Eutelsat
GSO longitude (East or West from Greenwich)	63.0°W	8°W
Satellite Service Area	North Atlantic Ocean Region (NAOR) (Figure 1)	Europe, the Middle East, and Africa (EMEA) (Figure 2)

Forward Channel details (Satellite to AES)

	Estrela do Sul (T14)	**Atlantic Bird 2**
Transponder center frequency (MHz)	11685MHz	12690 MHz
Transponder bandwidth (MHz)	18MHz	36 MHz

Return Channel details (AES to satellite)

	Estrela do Sul (T14)	**Atlantic Bird 2**
Transponder center frequency (MHz)	14153 MHz	14190 MHz
Transponder bandwidth (MHz)	9 MHz	36 MHz

- **Other Information**

Information regarding which airlines will be using the ViaSat ArcLight® AMSS network can be found on ViaSat's web site:

http://www.viasat.com/broadband-satellite-networks/mobile-broadband

As of the time of filing of this application, the following coverage applies (see attached Figure 1 and Figure 2:

Figure 1: T14/Estrela do Sul North Atlantic Coverage at 63°W

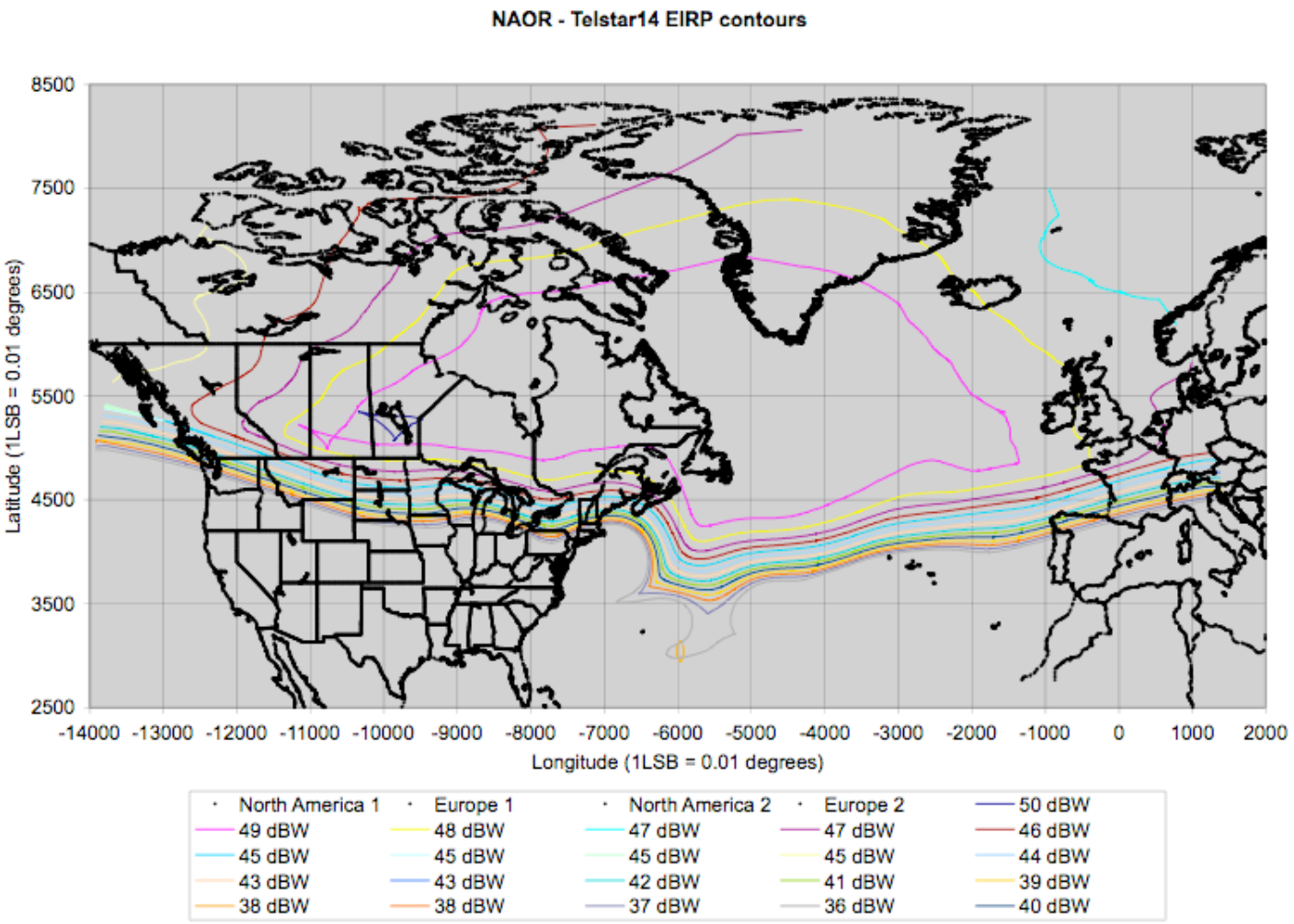

Figure 2: Atlantic Bird 2 EMEA Coverage at 8°W