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February 9, 2011

Marlene H. Dortch, Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, D.C. 20554

Re: ET Docket No. 10-142
*Ex Parte* Notice

Dear Ms. Dortch:

On Tuesday, February 8, 2011, L. Barbee Ponder IV, General Counsel & Vice President, Regulatory Affairs, for Globalstar, Inc. ("Globalstar"), Broderick Johnson of Bryan Cave LLP, Steve Berman of Lawler, Metzger, Keeney & Logan, LLC, and I met with Paul Murray and Jeremy Marcus of the Federal Communications Commission's Wireless Telecommunications Bureau and Geri Matise, Jamison Prime, and Nicholas Oros of the Commission's Office of Engineering & Technology. On the same date, we met separately with Paul de Sa of the Commission's Office of Strategic Planning and Policy Analysis. Mr. Ponder, Mr. Berman, and I on that date also met with Gardner Foster, Robert Nelson, and Karl Kensinger of the Commission's International Bureau, and Mr. Ponder and Mr. Johnson on that date met with Eddie Lazarus, Chief of Staff to Chairman Julius Genachowski.

At these meetings, we updated Commission staff on Globalstar's ongoing deployment of its second-generation Big LEO satellite constellation and its continuing development of innovative new satellite products and services. We also addressed the issues raised in Globalstar's comments on the above-captioned Notice of Inquiry. As Globalstar described in its comments, greater terrestrial flexibility in Big LEO spectrum will advance the Commission's goal of making more spectrum available for broadband. In contrast to other service bands, Big LEO spectrum can be added to the nation's broadband "spectrum inventory" very quickly, without the need for legislation or the relocation of incumbent licensees. To achieve this goal, the Commission should permit terrestrial use of Big LEO spectrum if a licensee demonstrates provision of substantial satellite service, and should treat providers of terrestrial service in this spectrum as it does other terrestrial wireless operators. To effect these changes, the Commission can either adopt rules of general applicability in its above-captioned rulemaking proceeding, or grant this flexibility on a case-by-case basis through fair, even-handed consideration of licensees' waiver requests.

At the meetings, we provided Commission staff with the attached slide presentation on these matters. Pursuant to section 1.1206(b)(2) of the Commission's rules, 47 C.F.R. § 1.1206(b)(2), this *ex parte* notification and the attached presentation are being filed electronically for inclusion in the public record of the above-referenced proceeding.

Respectfully submitted,

/s/ *Regina M. Keeney*
Regina M. Keeney

cc: Eddie Lazarus
Paul de Sa
Paul Murray
Jeremy Marcus
Geri Matise
Jamison Prime
Nicholas Oros
Gardner Foster
Robert Nelson
Karl Kensinger

Globalstar

# Launching the **future**.

February 2011

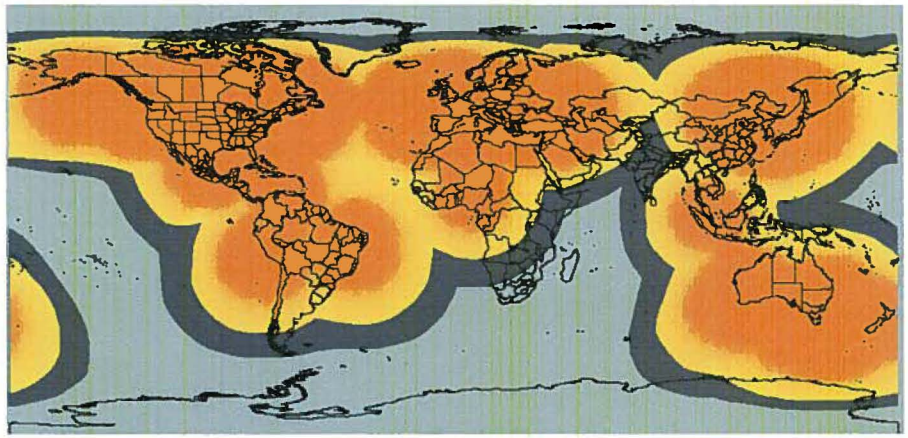
# Globalstar Introduction

## A leading provider of mobile satellite voice and data services

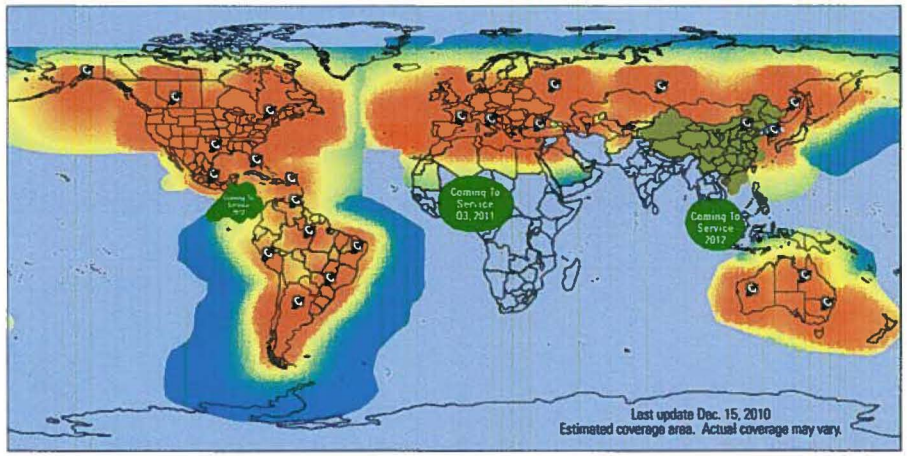
- With over 432,000 subscribers, Globalstar has the world's largest base of MSS voice and data customers
- Globalstar offers coverage in over 120 countries around the world
- US-based Company with offices in Canada, Western Europe, Africa, Asia, and Latin America.
- Globalstar operates a constellation of 40-plus low earth orbit (LEO) satellites and two satellite operations control centers
- 27 ground stations located around the world provide access to the Internet and public telephone networks
- First generation satellites continue to provide reliable Simplex data and SPOT Satellite GPS Messenger coverage

# Globalstar Satellite Coverage

Globalstar provides coverage to land, coastal maritime and select deep ocean markets around the globe



Current Simplex Data Coverage




Projected 2011
Voice and Duplex Data Coverage

Est. coverage area only. Actual coverage may vary. In everyday conditions it is normal for some messages to be blocked by the environment.
Depiction includes coverage from Nigeria Gateway which opened in Fall 2009 Full map details available at www.findmespot.com

Globalstar

# Globalstar Products

## MSS commercial, government and retail consumer solutions and airtime services

Satellite Handsets

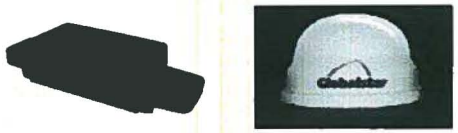
**Business Continuity, Recreational and Emergency First Responder Applications**

**NEW Low-Cost Recreational Consumer Retail Messaging and Tracking Products**

Satellite Data M2M

**Aviation, M2M Mobile Asset Tracking and Maritime Vessel Monitoring Products**

**NEW, Hybrid Cellular/Mobile/ Satellite M2M Products plus ATC Terrestrial Wireless Broadband Spectrum Opportunities**



Globalstar

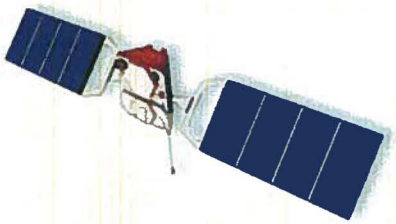
# SPOT Connect

- Works with leading Smartphone/handheld platforms
  - iPhone, iPod Touch, iPad
  - Android 2.0 or later

- Free SPOT application downloaded to Smartphone

Download the SPOT app and pair your Smartphone with SPOT Connect via Bluetooth

SPOT Connect links your Smartphone to communication satellites



Your Smartphone is now a satellite communicator

Update Twitter and Facebook

Send short email messages

Send text messages

Send your GPS coordinates and emergency message to GEOS

*NOTE: Globalstar handset product image depicted above is concept only

Globalstar

# Globalstar Space Segment

## Second-Generation Constellation Update

- First launch was successfully conducted on October 19, 2010
- Globalstar orbited six new second-generation constellation satellites using Arianespace's highly reliable Soyuz launch vehicle
- Three additional launches of six satellites each are planned in 2011
- The 24 satellites will be integrated with the 8 satellites launched in 2007 to form a 32 satellite constellation
- With each subsequent launch, Globalstar customers can expect a progressive return to the high quality system access and data session performance metrics customers enjoyed before 2007.

# Globalstar

- Advances Broadband Spectrum Goals
- Permit terrestrial use if MSS licensee demonstrates provision of substantial satellite service
  - Geographic coverage 90% of time
  - Exercise due diligence to restore MSS coverage in event of satellite failure
  - No in-orbit spare requirement
  - Demonstrate commercial availability of MSS
- Treat MSS-Terrestrial providers like other terrestrial providers
  - Provide for continuity of terrestrial service
  - Allow single-mode devices and service
  - Allow different characteristics between MSS and terrestrial services
  - Flexible leasing rules with careful coordination

# Globalstar

## Launching the Future