

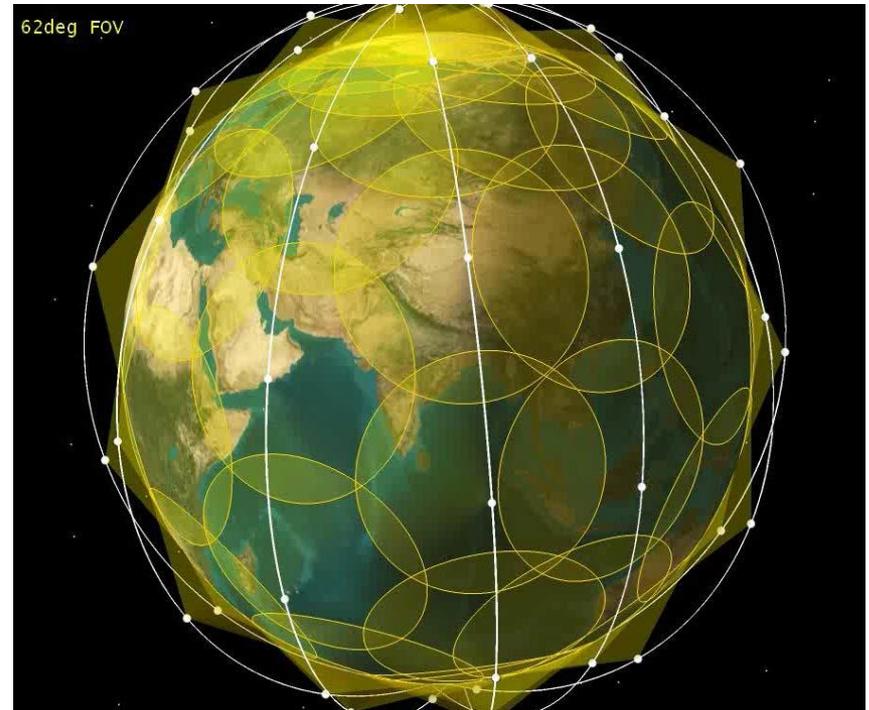


**IRIDIUM BRIEFING ON SPECTRUM LANDSCAPE, IMPACT OF
PROPOSED ADJACENT TERRESTRIAL BROADBAND NETWORK
ON SATELLITE OPERATIONS
JUNE 28, 2017**

Iridium - Unique Global Network

- 66 cross-linked, low earth orbit (LEO) satellites
- Only **fully global** voice and data provider; over 869,000 subscribers
- Efficient operations using only 8.725 MHz of spectrum worldwide for uplink and downlink
- Messages are routed from satellite to satellite and grounded at teleports around the world
- Added redundancy and exceptional network availability

Iridium constellation with 100% global service area



Architecture of 6 orbital planes of 11 satellites each at 780 km altitude

Iridium NEXT Positions Us For the Future

- \$3 billion, fully funded plan for next-generation system
- 66 new mission satellites, 6 in-orbit spares plus 9 ground spares
- Backward compatible with existing network and devices
- Expanded capacity and higher speeds through Iridium CertusSM broadband services
- Successful first SpaceX Falcon 9 launch of 10 satellites January 14, 2017; next 10 satellites launched June 25, 2017
- Remaining SpaceX Falcon 9 launches scheduled 2017-2018



Iridium's Many Vertical Markets

Well positioned to address global MSS market needs

	Market Position	Iridium Advantages
 Land/Mobile	Market leader with premium product offering	<ul style="list-style-type: none">• True mobility• Global coverage• Reliability
 M2M	Premium provider with rapid subscriber growth	<ul style="list-style-type: none">• Global coverage• Low latency• Throughput• Uniform global service
 Maritime	Value provider; large addressable market	<ul style="list-style-type: none">• Global coverage• Low cost• Small antenna
 Aviation	Market leader in GA; broadband opportunity	<ul style="list-style-type: none">• Global coverage• Low cost• Small device

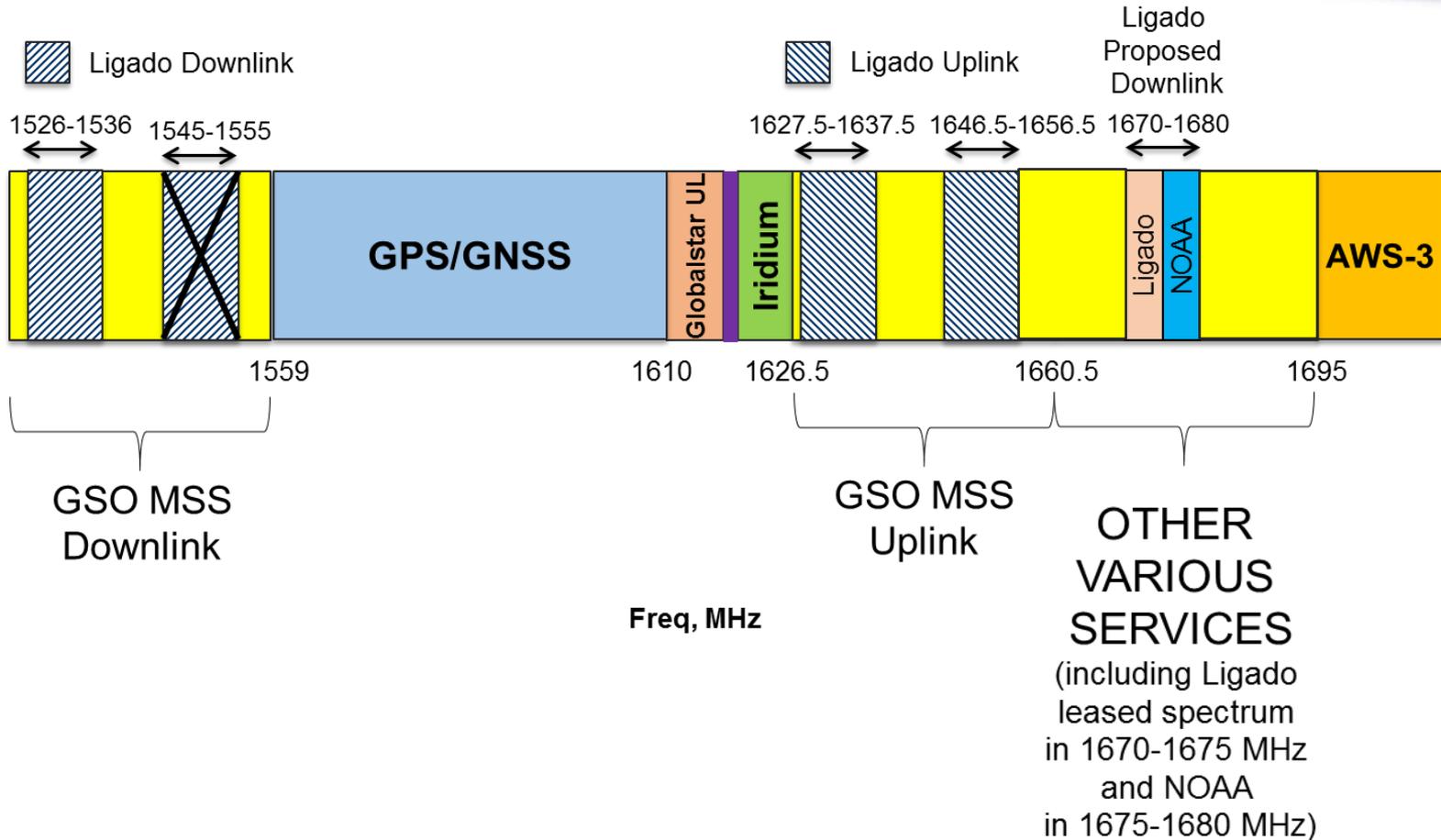
Strong U.S. Government Relationship

While Iridium's current subscriber base is ~90% commercial, USG was our first customer and remains our largest today

- Serves all DoD branches and US Government agencies
- Strong 15-year relationship under DISA EMSS program
- Unique capabilities
- Subscriber growth of 10% in 2016



Iridium's Spectrum Neighborhood



- Iridium currently licensed to operate in 1617.775-1626.5 MHz
- 8.725 MHz total spectrum to provide uplink and downlink service links

Regulatory and Business Evolution of Mobile Satellite Service (MSS)

- 1994- FCC adopts the Big LEO Order to designate spectrum for Mobile Satellite Service (MSS) operations, including Iridium's
- 1995- Iridium obtains satellite authorizations
- 1995-96- Ligado launches satellites
- 1998- Iridium completes launch of first constellation
- 2001- FCC starts rulemaking to create Ancillary Terrestrial Component (ATC) rules
- 2003- FCC adopts *ATC Order* which sets rules for licensing and operation of ATCs, including requirement that ATC operations protect satellite (§ 25.255)

Regulatory and Business Evolution of Mobile Satellite Service (MSS)

- 2004- Ligado obtains FCC approval for ATC authority
- 2007- FCC revises Big LEO band plan to reallocate spectrum among Iridium and Globalstar to provide additional spectrum to Iridium
- 2009-2011- Ligado seeks additional waivers of the ATC technical rules, FCC grants *Conditional Waiver Order*
- 2012- Following rounds of testing and NTIA raising unresolvable interference issues, FCC seeks comment on suspending the *Conditional Waiver Order* and Ligado's ATC authorization
- 2012- Ligado files for bankruptcy
- 2015- Ligado files a new series of applications with the FCC seeking flexibility for its terrestrial operations

Interference to Iridium Caused by OOB E from Nearly Adjacent Terrestrial Network

- Billions of dollars of investment made in reliance on a satellite spectrum allocation in adjacent bands (unlike 2 GHz Band flexibility)
- ATC decision based on “ancillary” operations included regulatory decision (47 C.F.R. § 25.255) that terrestrial operations would not interfere with MSS operations
- Ligado’s proposed network will potentially deploy millions of mobile devices transmitting just 1 MHz away at 1627.5-1637.5 MHz from the spectrum that Iridium utilizes for all of its critical uplink and downlink satellite services, including SATCOM aviation services
- Ligado’s OOB E result in unwanted emissions in the Iridium band and cause interference to Iridium services



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