



IRIDIUM PRESENTATION

JULY 2016

BRYAN HARTIN – EXECUTIVE VP, SALES & MARKETING

IRIDIUM COMMUNICATIONS INC. - SNAPSHOT

A vital, global communications provider of mobile voice and data services via 66 in-orbit satellites

Global
Customers
Served¹:

788,000

Global
Technology
Partners:

300+

Total
Revenue²:

\$418.5

million

(1) Q1 2016 subscriber and financial data provided. (2) LTM Q1 2016

IRIDIUM SATELLITE CONSTELLATION

ONLY ONE TO COVER THE PLANET

Our satellite network provides a superior and differentiated experience for our customers

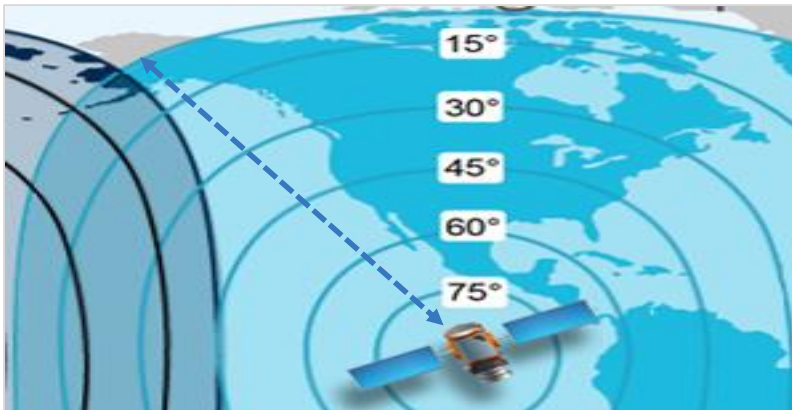
- Low Earth Orbit (LEO) Satellite only 780 km above earth surface
 - 45 X closer than GEO-satellites
 - Therefore, very low latency in communication
- 6 planes of 11 satellites cover entire planet (66 total)
- Travel at 27,000 km/h, they pass horizon to horizon in 8 - 10 min



IRIDIUM NETWORK ADVANTAGES

- Unlike geostationary networks that operate on a distant satellites positioned on the equator, Iridium has multiple low-earth satellites providing more reliable, real-time services across the entire Alaskan region.

Geostationary	
# of Satellites Serving Alaska	1
Distance	22,000 miles
Connection Angle	15 degrees



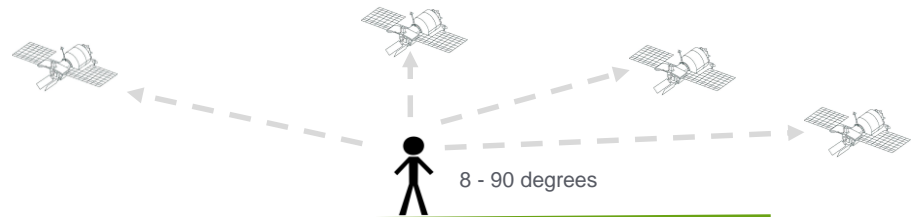
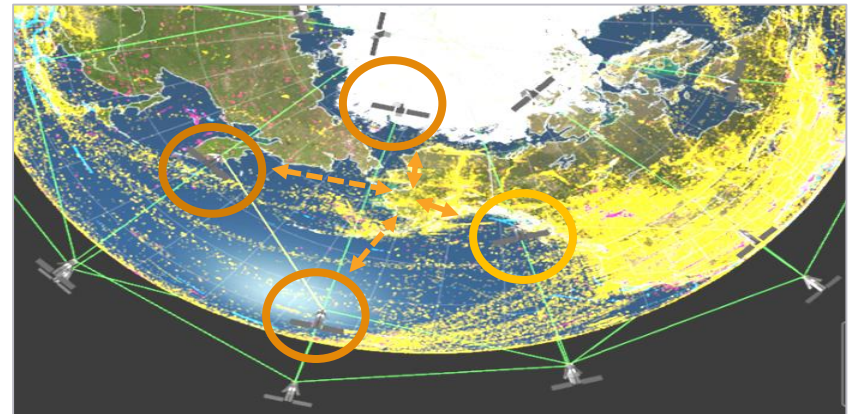
Alaska
Connection
Angle



15 degrees



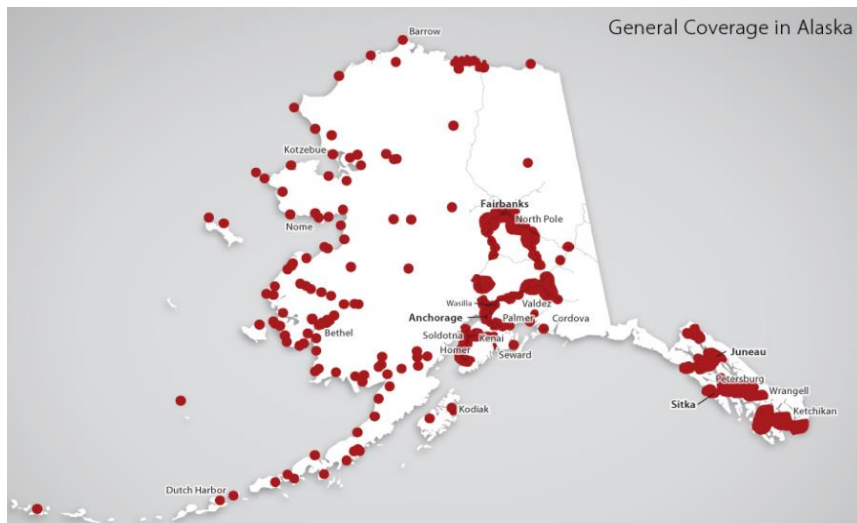
Iridium	
# of Satellites Serving Alaska	4
Distance	485 miles
Connection Angle	8 - 90 degrees



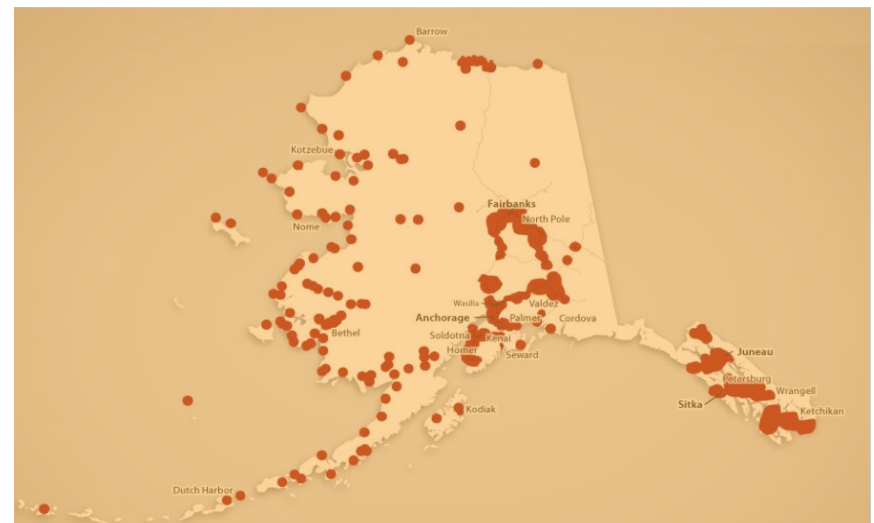
COMMUNICATION NETWORK COVERAGE

- Today, cellular networks service ~5% of Alaska and surrounding waters. Iridium covers 100% of Alaska with a satellite-based network.

Cellular Networks

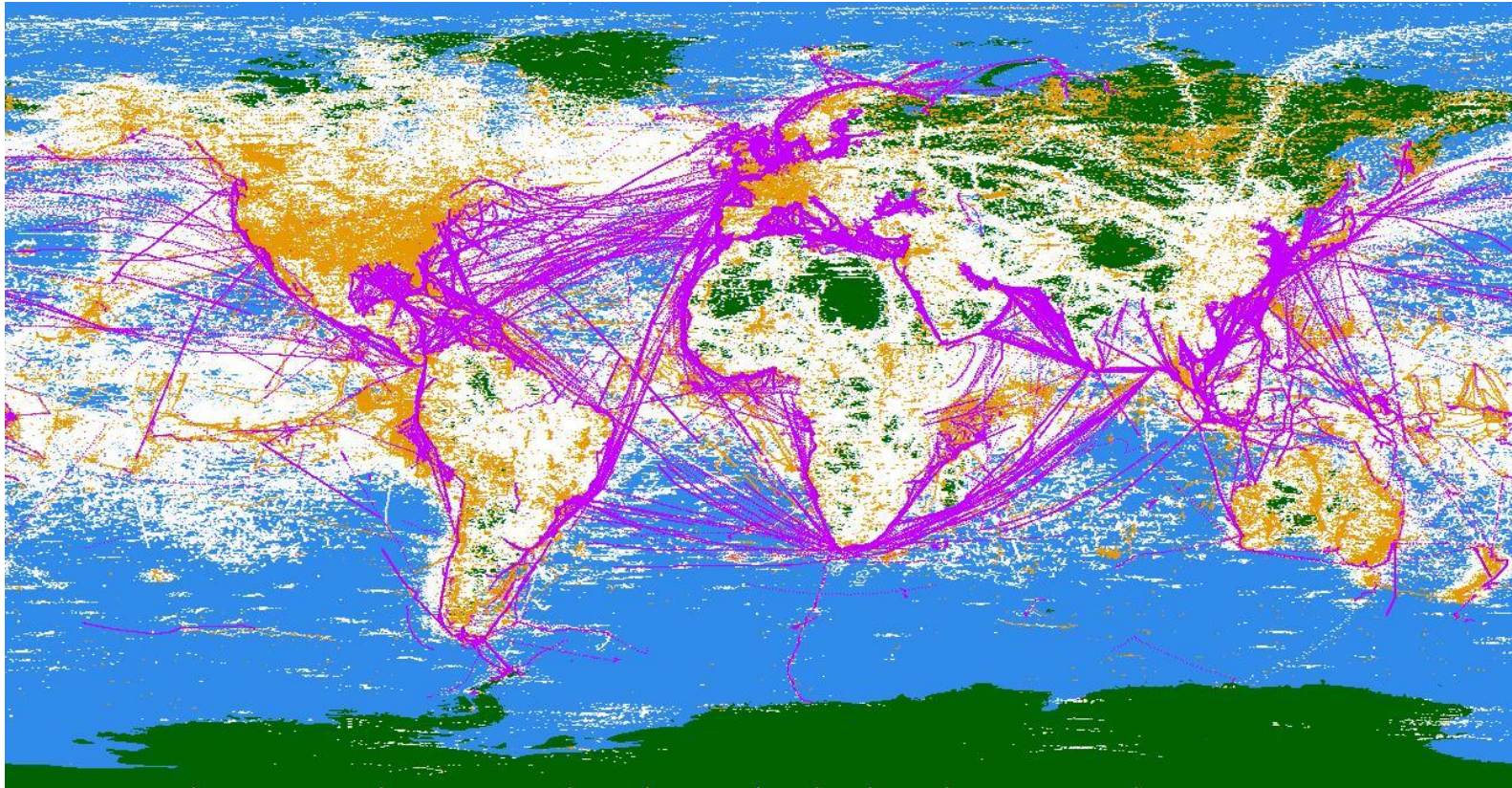


Iridium Network



NETWORK LEADERSHIP FUELS GLOBAL USAGE

Diverse network traffic with significant growth opportunities

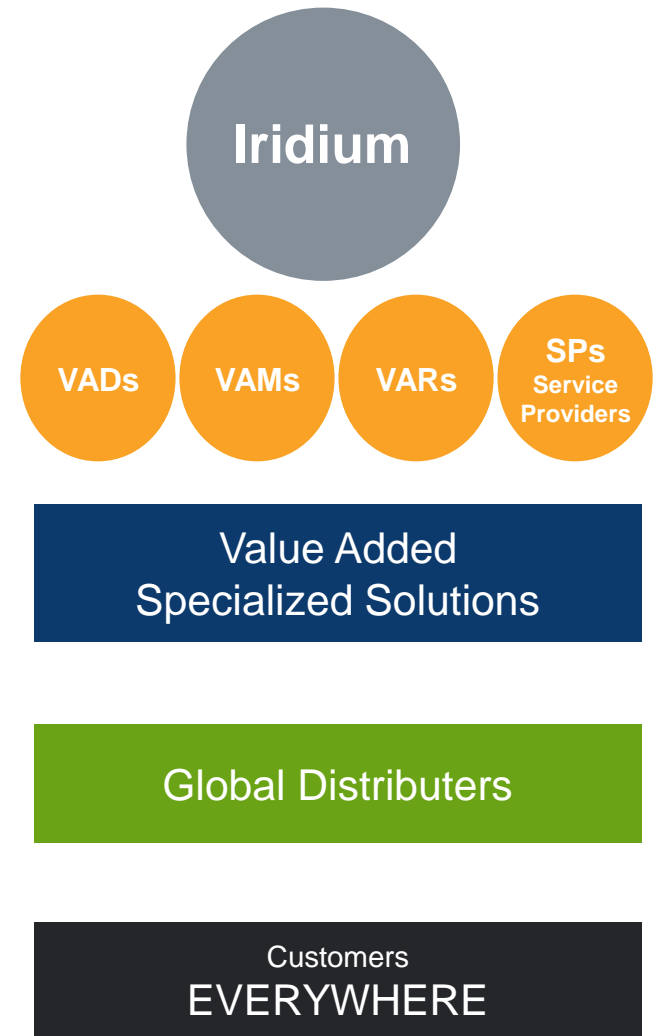


○ M2M (SBD) Data Transmission ● Voice Call ● Iridium OpenPort® High-Speed Data Traffic

Note: One week plot of M2M/SBD session, voice call and Iridium OpenPort broadband data origination points for the week of 3/20/2016 to 3/26/2016 (commercial traffic only)

LEVERAGING A PARTNER ECOSYSTEM

1. Distribution Partners
 2. Technology Development Partners
- Iridium does NOT compete with it's channel partners



POLAR ADVISORY BOARD

- Iridium believes there is significant untapped opportunity in the polar region
- Founded in 2016, the Polar Advisory Board is focused on:
 - Provide management with insights on the Company's U.S. and international markets;
 - Assist in identification of new opportunities in the polar region and build awareness with key decision makers in the region;
 - Provide feedback on potential and proposed Iridium initiatives, especially those relating to initiatives in the polar region;
 - Provide management with insight into key activities and factors affecting use of satellite communications in the polar region;
 - Provide advice on Iridium challenges in the region; and
 - Provide informed, informal third-party advocacy in the market.



- Alexander Borodin, International Marketing Strategist, MG3 (Survey) UK, Ltd
- Lee Ryan, VP, Ryan Air
- Tim Stockings, Operations Director, British Antarctic Survey
- Bryan Hartin, Iridium Communications
- Mead Treadwell, former Lt. Governor for Alaska, President, Pt Capital, LLC
- Alex Hills, Distinguished Service Professor of Engineering & Public Policy and Electrical & Computer Engineering, Carnegie Mellon
- Larry Cotter, CEO, APICDA & APICDA Joint Ventures, Inc.

ALASKA USE CASES / PRODUCTS

The background features a complex network of light gray nodes connected by thin lines, forming a mesh-like structure. This network is overlaid on a dark blue background with large, angular, geometric shapes in varying shades of blue. The overall aesthetic is modern and technological.

IRIDIUM PRODUCT PORTFOLIO

- Today, Iridium offers a suite of mobility-focused communication products providing voice communications, tracking, and broadband access across several vertical markets.



Maritime

Broadband
> 128kbps IP Data



Tracking
> Short Burst Data



Voice
> Circuit-Switched



Land



Aviation



CUSTOMER SEGMENTS

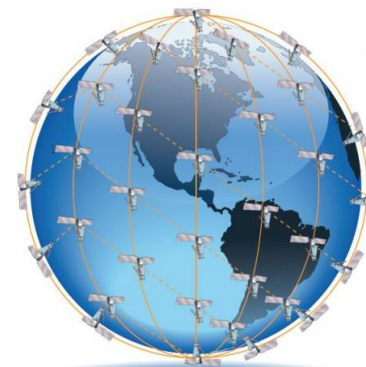
Government



Public Safety



Commercial



Military



Personal



Maritime



PRODUCT USE CASES: LAND



- Iridium's land products can be installed on buildings, vehicles, or hand-carried to provide voice and data communications throughout Alaska.

Products

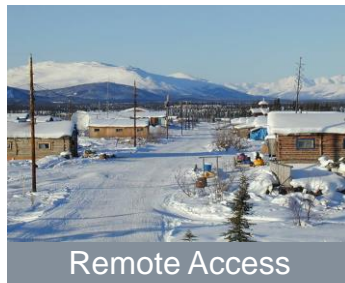
Pilot Land Station



Use Cases

- Data access
- 128kbps IP data
- Internet access

Examples



Remote Access

InReach



- Lone worker safety
- Tracking / messaging
- SOS response



Scientific Research

Iridium Extreme



- Phone calling
- Text messaging
- SOS response



Mining Operations

IRIDIUM HANDHELD DIFFERENCE

REAL Mobile

- True mobility everywhere
- Fastest registration time
- You can drive, run, work
- Simply point the antenna skyward
- Predictable calling
- Data services - includes everything you need

REAL Global

- Works everywhere on the planet
- Truly global, from pole-to-pole
- Easy and natural to use everywhere

REAL Reliable

- Proven service, in market 15 years
- ~300,000 phone subscribers
- In use by leading military organizations
- Works in virtually any outdoor condition
- Performs in extreme environments
- Resilient architecture

Iridium 9555 Satellite Phone

REAL MOBILE GLOBAL RELIABLE



IRIDIUM EXTREME®

Industry firsts:

- Military-Grade Design
- Dust/Water Resistance (IP65)
- Location-Based Application Program
- Dedicated Emergency Button (SOS)



COMMUNICATION SITUATIONS

Remote Operations



Disasters



Rescue / Recovery



Natural Resource Extraction



Rural Telephony



Smartphone Access



REMOTE USE OF COMMUNICATIONS NETWORKS

- Remote network coverage availability is important to support Alaskan governmental, commercial and recreational communications.

Government

State Troopers



Bureau of
Land Management



Fire Service



Commercial

Mining



Fishing



Bush Pilots



Recreational

Hunting



Dog Sledding



Snowmobiling





PRODUCT USE CASES: MARITIME

- Iridium's maritime products can be installed on commercial and recreational vessels to provide voice and data communications off the Alaska shores.

Products

Iridium Pilot



Use Cases

- Internet access
- 3 voice lines
- All-weather design

Examples



Oil Field Supply

Blue Tracker



- Vessel monitoring
- Catch reporting
- eLogbook ready



Commercial Fishing

Sailor SC4000



- Phone calling
- Email access
- Text notifications



Ferries

EXTREME COVERAGE

With increased traffic on northern routes, access to truly global voice and data communications is more critical than ever.

Iridium's global pole-to-pole coverage provides connectivity where others do not and can not:

- Maritime transport in the Northwest Passage
- Oil & gas exploration in the extreme latitudes including the Arctic and Antarctic
- Commercial fishing in the deadliest waters of the extreme latitudes
- Scientific research across every square kilometer of ocean
- Coast guards & navies of the world protecting our oceans and our world





PRODUCT USE CASES: AVIATION

- Iridium's aviation products can be installed on commercial and recreational aircraft to provide voice and data communications to the Alaskan airspace.

Products

OpenPort Aero



Use Cases

- Data access
- 128kbps IP data
- Internet access

Examples



Business Jets

Spidertracks



- Pilot safety
- Tracking / messaging
- SOS response



Bush Pilots

AirCell



- Phone calling
- Graphical weather
- Messaging / ATC



Helicopter Pilots



NEW PRODUCTS & SERVICES

IRIDIUM GO!

- Highlights:
 - WiFi hotspot for your smartphone
- Features:
 - 100 foot WiFi range
 - Battery-powered
 - 15 hrs standby / 5 hrs talk
 - Works with any iOS or Android device
 - Suite of applications for:
 - Phone calling
 - Text messaging
 - SOS
 - Email
- Accessories:
 - Can be installed in plane, boat, or cabin



IRIDIUM PUSH TO TALK

- Satellite based walkie-talkie service
- Built to feel like Land Mobile Radio or Tactical Radio
- Instant group communications – over small or large distance



World's only global PTT system

IRIDIUM PUSH TO TALK HIGHLIGHTS

Fast

Low Earth Orbit -
built for speed

Truly Mobile

Handheld radio -
lower power needs

Global

Create coverage
anywhere on the
planet

Affordable

Both devices and
service

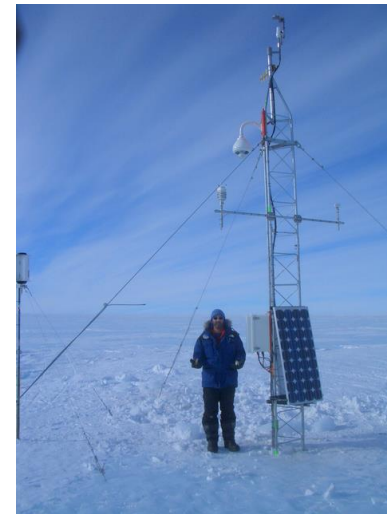
Customer Control

End user controls radios and
talkgroups over the air



REMOTE MONITORING / DATA BACKHAUL

- 128kbps IP Data connection
 - Using Pilot Land Station
- Applications
 - Bridging rural villages to network hubs
 - Remote video surveillance
 - GPS seismic studies
 - Weather stations

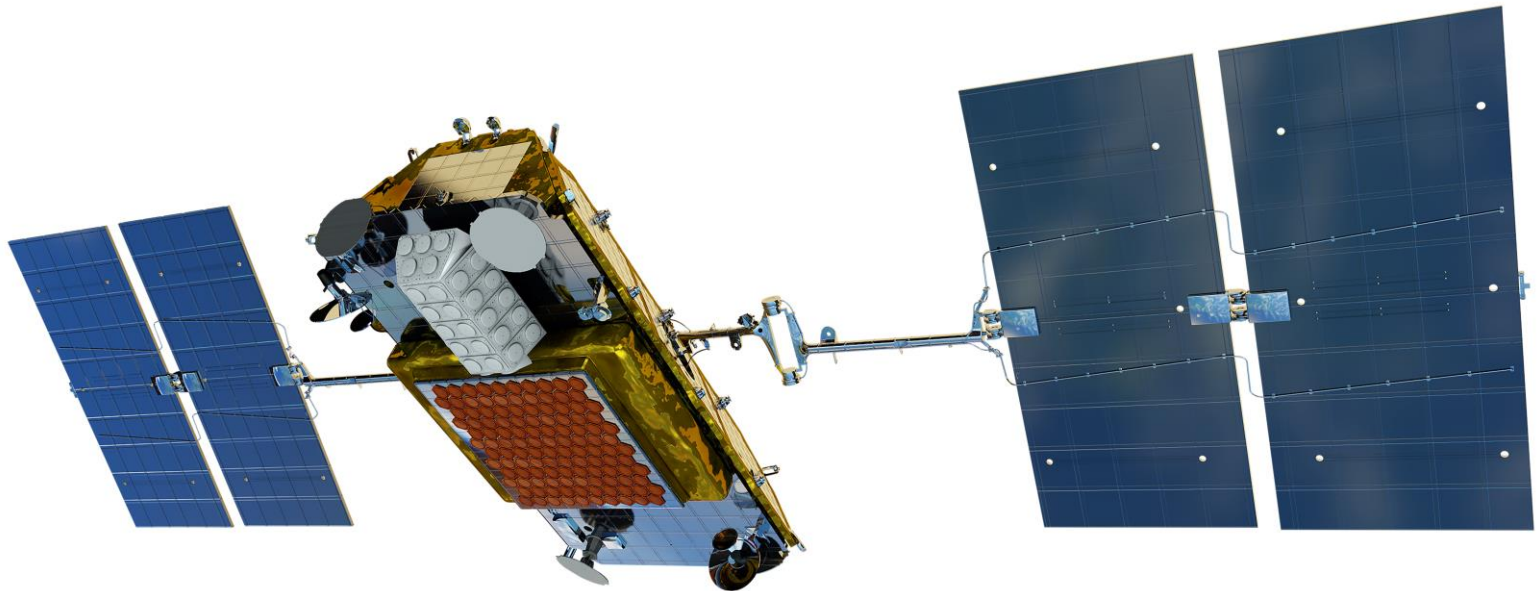


WHAT IS IRIDIUM NEXT?



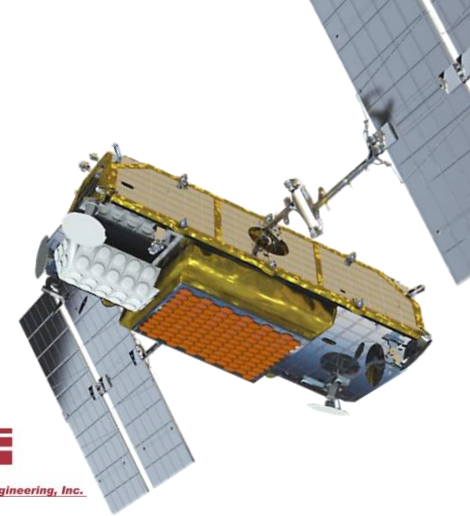
WHAT IS IRIDIUM NEXT?

- Retains unique LEO architecture with 66 new operational satellites, 6 in-orbit spares and 9 ground spares
- Compatibility with existing network and devices ensures backwards compatibility and service continuity
- Expanded capacity and higher data speeds (eventually up to 1.4Mbps) enabled through Iridium CertusSM
- Scheduled deployment between 2016 and 2017



A WORLD CLASS IRIDIUM NEXT MISSION TEAM

Committed to the successful deployment
of the Iridium NEXT network



Largest space program in development

LAUNCH UPDATE: ALL SYSTEMS GO FOR IRIDIUM NEXT

Comprehensive ~\$3 billion program that supports our success for many years

Retains unique LEO architecture with 66 new operational satellites, 6 in-orbit spares and 9 ground spares

Compatibility with existing network and devices for backwards compatibility and service continuity

Scheduled to be fully launched in 2017, primarily using SpaceX Falcon 9 rockets – first planned launch for September 2016

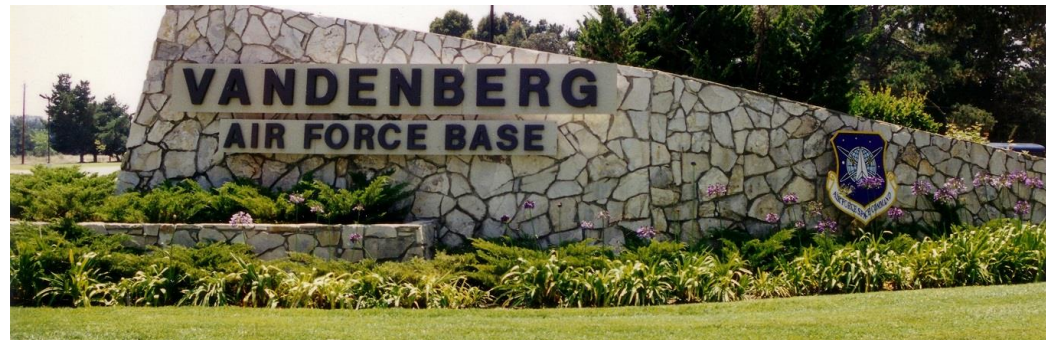


PRIMARY LAUNCH CAMPAIGN



FALCON 9

- SpaceX, USA
- Launches: 7 launches of ten Iridium NEXT satellites each
- Launch Site: Vandenberg Air Force Base, CA USA



IRIDIUM CERTUS MULTI-SERVICE PLATFORM

Streaming IP Data

Background IP Data

Short Burst Data

Iridium Burst

App Platform



Iridium
Certus

High Quality Voice

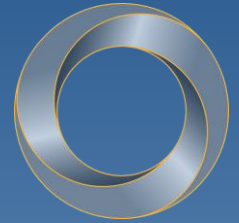
Push-to-Talk

Safety Services

GMDSS

AMS(R)S

IRIDIUM CERTUS ADVANTAGES



- Highest speed L-band
- All-weather connectivity
- Truly global
- No degradation in high latitude regions
- Low-cost, solid state antennas optimized for mobile applications
- Fastest acquisition and registration time
- Lowest latency and jitter for IP data and voice applications
- Integrated services optimized to streamline bandwidth use
- Certification for GMDSS and AMS(R)S services for maritime and aviation safety
- Push-to-Talk for Land Mobile coordination on the ground

IRIDIUM CERTUS TERMINALS

Iridium Certus terminals are being developed by industry-leading manufacturers with expected availability by Q2 2017. SP product roadmaps and distribution programs will be managed directly with these providers.

Aviation

THALES



**Rockwell
Collins**

COBHAM

Maritime

THALES

COBHAM

Land

THALES

COBHAM



Iridium CertusSM

Reliable. Everywhere.



22
kbps

Iridium Certus 20

- Global Maritime Distress & Safety System (GMDSS)
- ACARS
- Asset Tracking
- eLog Book
- Telemetry
- Remote Monitoring

88
kbps

Iridium Certus 100

- Internet/VPN
- Email
- Graphical Weather (WX)
- Photo Transfer
- Credit Card Validation

176
kbps

Iridium Certus 200

- ECDIS Updates
- Aeronautical Charts
- Streaming Audio

1408
kbps

Iridium Certus 1400

- High Definition Video
- Video Conferencing
- Multi-User Internet / VPN
- Telemedicine

704
kbps

Iridium Certus 700

- Standard Definition Video
- Video Conferencing
- Multi-User Internet / VPN
- Telemedicine

352
kbps

Iridium Certus 350

- Flight Data Recorder Streaming
- VSAT Redundancy
- Low Resolution Video

 **iridium**
Everywhere