

23rd Meeting of the Satellite Network Management Committee

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Global Fleet Update

Global Fleet Update

- Successful launch of IS-34 on 20 August 2015
- First EpicNG launch in 2016: IS-29 on 27 January 2016
- Four additional launches planned for 2016:
 - IS-31 at 95°W – Q1 2016
 - IS-32e at 43.1°W – H1 2016
 - IS-33e at 60°E – H2 2016
 - IS-36 at 68.5°E – H2 2016

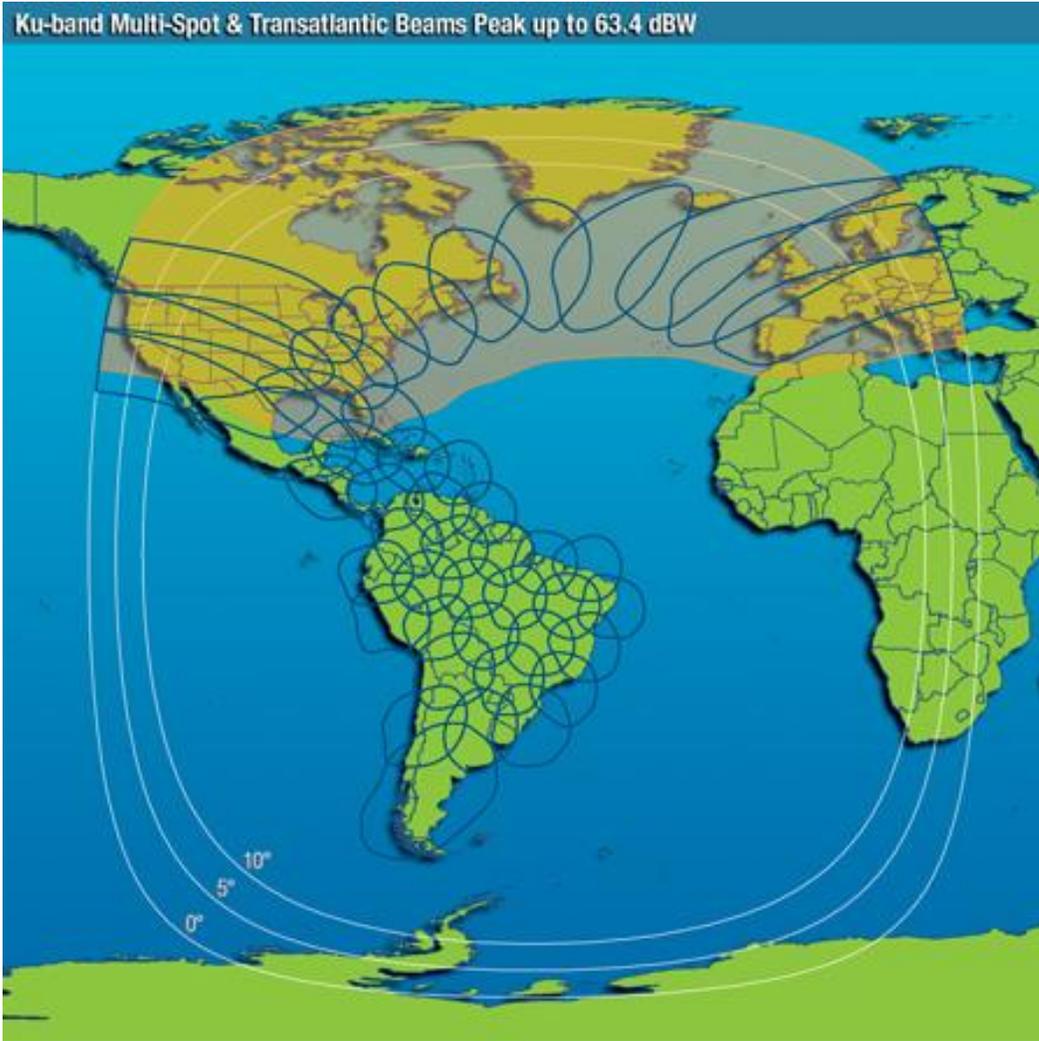
EpicNG Coverage



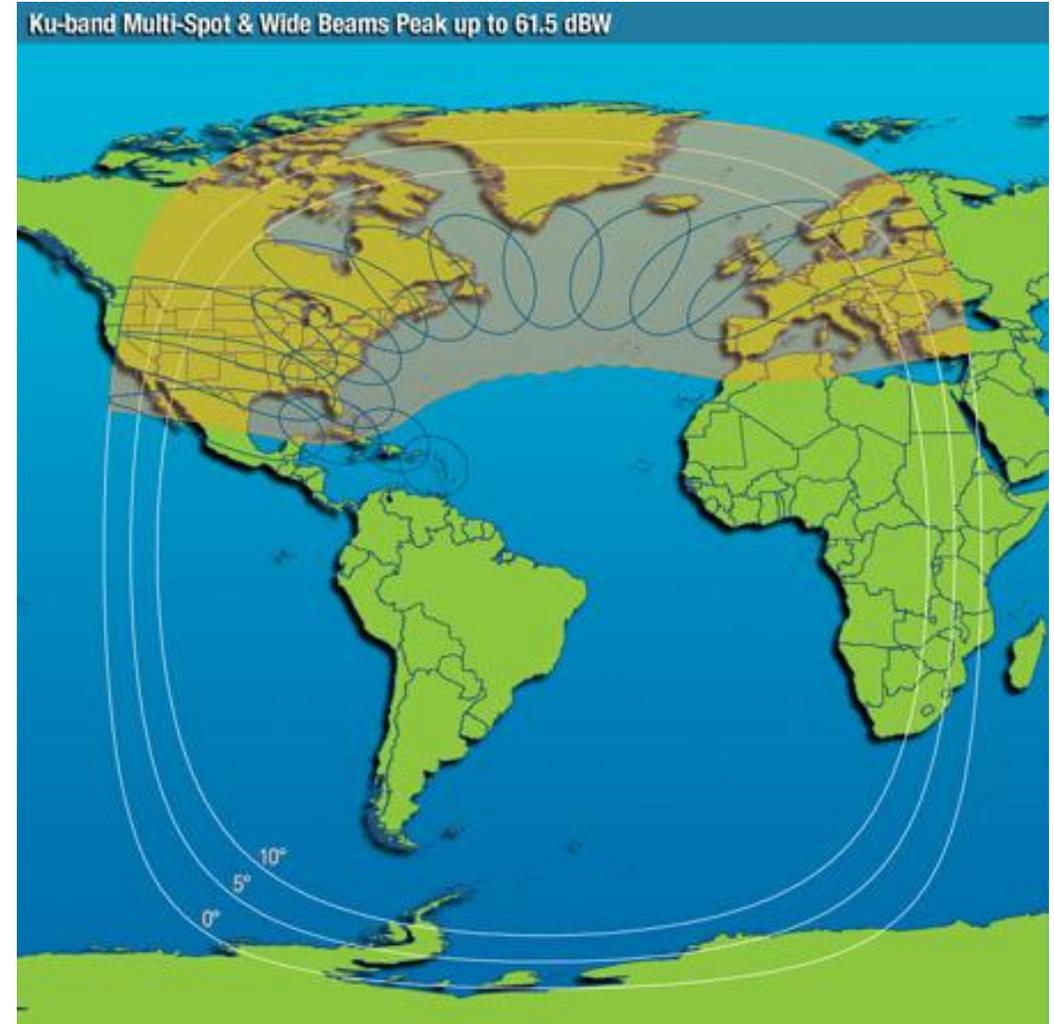
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Intelsat Epic^{NG} Coverage



IS-29e - launched



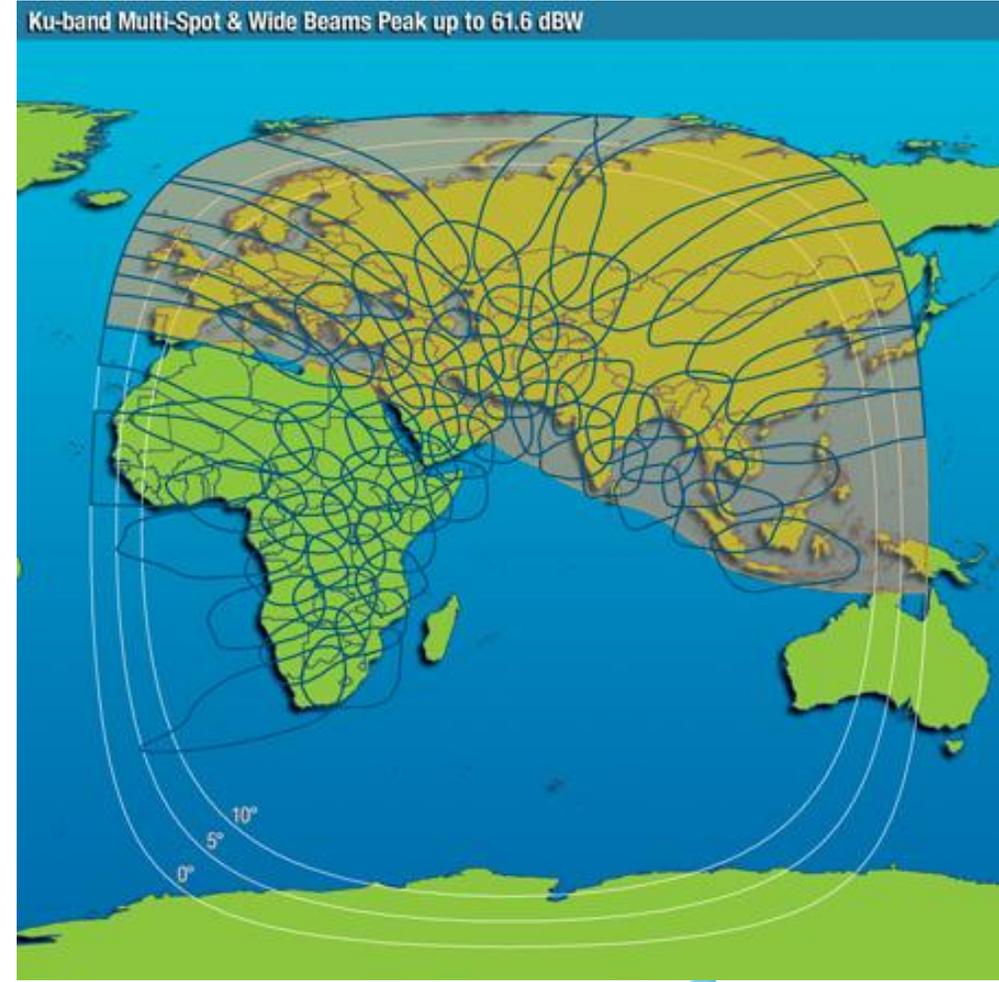
IS-32e (Q2 2016)

Intelsat Epic^{NG} Coverage



IS-33e C-band

Q3 2016

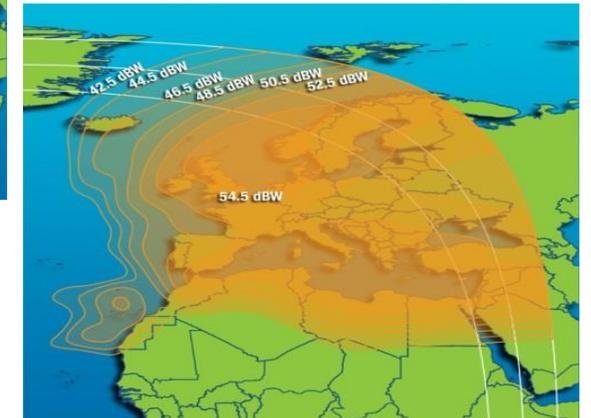


IS-33e Ku band

Intelsat Epic^{NG} Coverage



IS-35e C-spots



IS-35e Ku-wide beams

2017

**10x More
Throughput Per
Satellite**

High Performance

Global Coverage

**Flexible
Connectivity**

**Combined Spot
and Wide Beams**

Multi band

Open Architecture

**Backward
Compatible**

**Easier Access to
Satellite**

Scalability

**Lower Total Cost
of Ownership**



A Globalized Network



Approximately 50 Satellites Plus IntelsatOne®, a Fully-Integrated Ground Infrastructure Incorporating Teleports, Points of Presence and IP/MPLS Fiber Network

IntelSat Fiber

BT Fiber & Point of Presence

Sales Office

Satellite Deployed

IntelSat Point of Presence

PCCW Point of Presence

Teleport

Partner Teleport

Update on SNMC Agenda Items



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SNMC 22: Backup Options for Space Segment

- As discussed during SNMC22:
 - Satellites are highly reliable, with built-in redundancy
 - Most service outages are not attributable to the spacecraft
 - Frequent outage causes include RF interference, ground equipment failure, sun interference
- Intelsat's global and robust fleet provides reliability and redundancy
- Also launching non-SoL services on a different spacecraft helps mitigating the risk, however low it is.
 - Ground segment ready for a quick migration
 - Business case built on required non-SoL services and not only on backup requirements

SNMC 22: Technical Training

- Request from SNMC to organize a technical training for its members
- Training session not organized in 2015
- However, some members attended Intelsat's Training events in 2015
 - Intelsat Broadband Workshop in Dakar, on 8 June 2015
 - Technical Training in Fuchsstadt Teleport, 10-12 June 2015
 - Training Session on RF Manager, throughout Q4 2015
- 2016 SNMC training organization to be coordinated by Secretariat

Intelsat Managed Services

You Can Tailor Solutions for All Your Network Needs

	Bandwidth Services			Managed Services	
	Bandwidth	Collocation	Managed Platforms	Enterprise Network	End-to-end Managed Service
Satellite Capacity					
Teleport & Ground Infrastructure					
Hub / Modem Baseband Equipment					
Network Management					
Remote site Management					

Introducing the Africa Shared Network Broadband (NBB) Platform



Value Proposition
Low cost entry, low risk
Leverage benefits of iDirect at lower cost
Rapid deployment
Committed CIR

Positioning
Cost effective iDirect platform-based service for high end applications



Target
Corporate Networks
Cellular Backhaul
NGOs

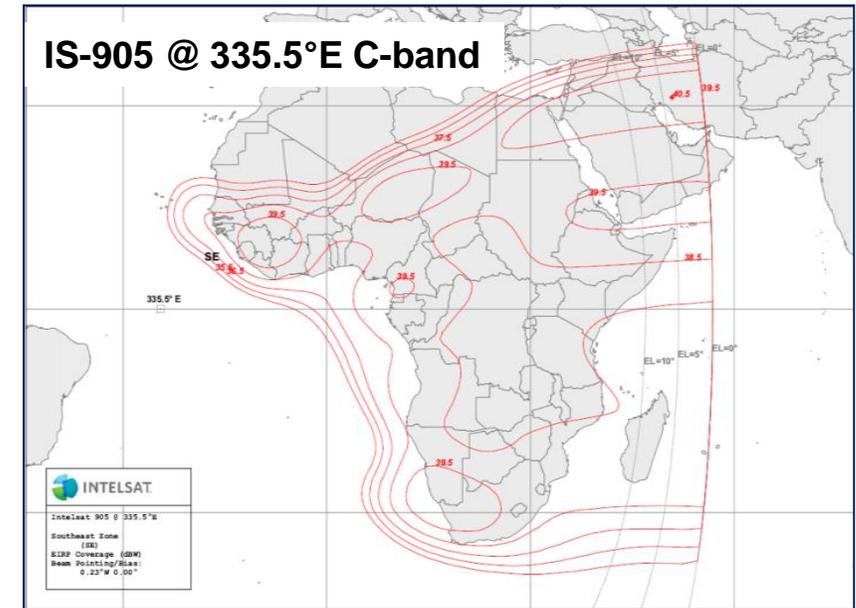
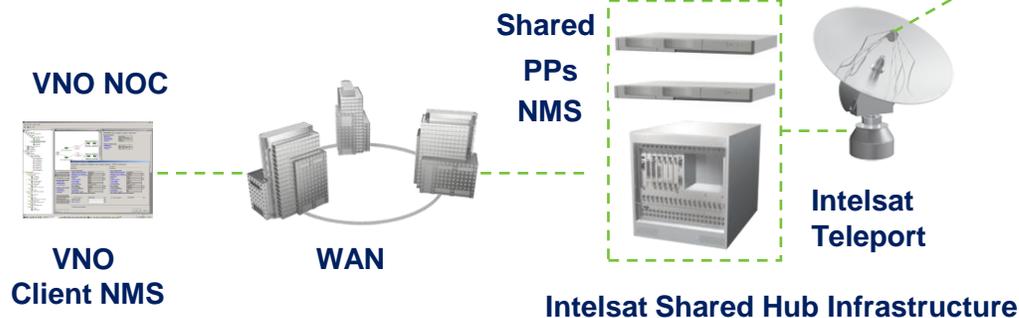
Customers



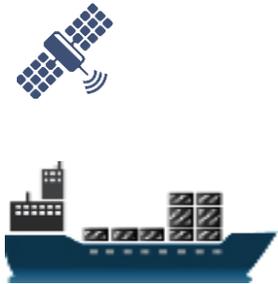


Africa NBB Shared VNO Service

- **Low TCO:** DVB-S2 with ACM forward link over saturated premium transponder to deliver lowest costs per Mbps and minimize remote kit sizing
- **Shared physical network** per VNO with traffic segregation per VLAN and GQOS
- **Committed CIR** with no oversubscription
- **Customer gets full NMS software access** (iBuilder/iMonitor) as per dedicated VNO



Introducing IntelsatOne[®] Flex



A customizable, **wholesale Mbps** service that aggregates :

- Intelsat's prime space segment (Epic^{NG} + wide beams)
- IntelsatOne global ground infrastructure
- HTS optimized iDirect Velocity[®] platforms into a

Simplified, Unified Ecosystem

- Offers quick and cost-effective expansion while retaining control over service differentiation, brand and visibility of end terminals
- Provides lower total cost of ownership through shared infrastructure and eliminates unnecessary bandwidth overhead

**Multi-GHz Initial HTS Capacity and Growing
Multi-million Infrastructure and Operations Investment**

Demo of RF Manager



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RF Manager

- A new application on MyIntelsat, allows you to:
 - View active RF capacity by satellite and transponder with contracted and remaining bandwidth and power
 - View connectivity details (Up/Down Polarization, SFD @ Beam Peak, Saturated EIRP @ Beam Peak and G/T @ Beam Peak)
 - View beam coverage map with antennas of selected carriers
 - View carrier frequency assignment and power in PEB in graphical and tabular formats
 - Create and manage RF transmission plans
 - View and edit carrier details
 - Save and reuse carrier templates
 - Request SSOGs (Carrier Activation Authorization)

Thank you

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