Intelsat’s Network Connects Programmers to Profits

Intelsat brings decades of operational knowledge together to create a sophisticated portfolio of media delivery solutions, allowing our customers to rapidly deploy new services with minimal investment and maximum flexibility – all while enjoying the convenience of securing all of their network needs, such as 4K UHDTV, through one highly reliable service provider.

Global
- Integrated global network
- 50+ satellites blanketing the world
- 29 premium video neighborhoods
- Hundreds of millions of viewers across 6 continents
- Terrestrial access to 4 continents with 36,000+ miles of fiber, 8 teleport and strategically located Points of Presence (PoPs)
- World’s largest orbital rights collection

Secure
- Reliability: 99.993% satellite availability
- In-orbit resilience: flexible fleet, satellite spares and in-orbit protection
- Full redundancy of core teleport facilities and equipment, PoPs and fiber paths
- Content protection on the fiber network through IP/MPLS technology and other security features
- Support for industry-leading encryption systems
- State-of-art network management and troubleshooting tools

Innovative
- Vision incorporates the latest media delivery trends
- Forward-looking technologies help customers capture new revenue streams and contain costs
- Hybrid satellite-terrestrial delivery solutions
- Next-generation, high-throughput platform
- Highly efficient content delivery solutions available at customers’ door with IntelsatOne edge nodes and automated access tools

Industry Partners Demonstrate Technology Leaps in UHDTV, CDN Content Delivery and Hybrid (Satellite & Terrestrial) Network Management

Intelsat and industry team members demonstrate evolution in content delivery platforms, networking and compression technologies

- IntelsatOne® Prism multimedia managed services centered around the Newtec Dialog® multiservice platform
- Evolution of 4K UHDTV distribution with HEVC technology
- PSSI’s SNG vehicles revolutionize high quality media content delivery with simple, automated processes
- Live media encoding, multiscreen packaging and publishing to CDN through iStreamPlanet

In collaboration with:
The Evolution of 4K and Content Distribution Networks (CDNs)

Intelsat, PSI, Ericsson, Newtec and iStreamPlanet will demonstrate the evolution of true 4K UHDTV using HEVC compression and CDN content distribution with end-to-end video transmissions via satellite and the Internet to the Las Vegas Convention Center during the 2015 NAB Show. The diagram above shows the IntelsatOne Prism multimedia transmission chains for the simultaneous distribution of a 4K video feed and a CDN Stream, with content playout originating from a PSI SNG production vehicle.

The Evolution of True 4K, UHDTV Distribution

IntelsatOne Prism provides a new paradigm in media networking, allowing customers to easily upgrade a legacy satellite-based network to a next-generation automated hybrid converged IP network. 4K UHDTV content provided via satellite and the Internet to the Las Vegas Convention Center during the 2015 NAB Show. The award-winning Newtec Dialog® multiservice platform serves as the core of the IntelsatOne Prism services, which can accommodate legacy and digital multi-screen media, and optimize network efficiency – so customers can do much more for less cost.

With IntelsatOne Prism you will be able to:
- Simplify operations with easy management of satellite and fiber capacity
- Implement digital media networking to the new multi-screen world
- Simplify content delivery for legacy and digital media within one network, one vendor, one contact and one phone number
- Improve bandwidth management efficiency by 30% or more for multiple applications and customer sites can share bandwidth
- Begin quickly and with minimal investment saving $1-3M in upfront hub costs, investing only in remote terminals

Key Features:
- Shared Newtec Dialog hub with hybrid satellite and terrestrial networking
- Session and equipment automation
- IP-based
- Multiple application support for linear video, file transfer, Internet access, VoIP and data transmissions
- Full-time and Occasional Use bandwidth management
- Reduce costs on remote operations by leveraging cost-effective modems with legacy infrastructure
Intelsat Global Network

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In collaboration with:

Ericsson
Newtec
PSSI Global Services
iStreamPlanet

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