



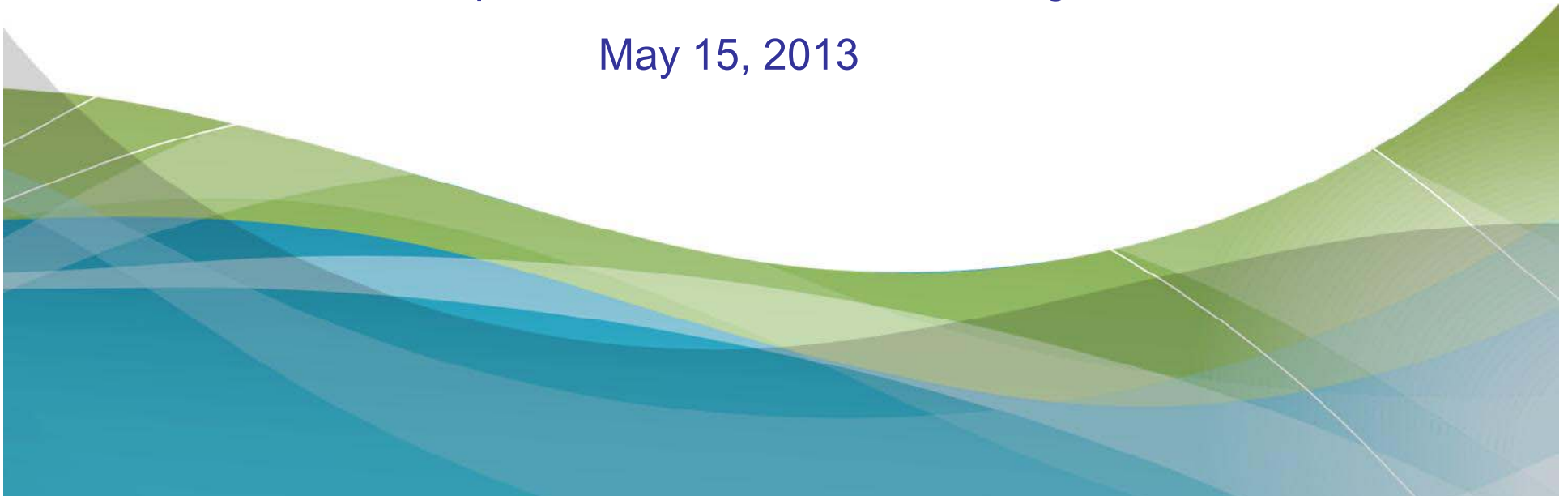
INTELSAT[®]

Closer, by far

Occasional & Fixed Satellite Services for IP Digital Newsgathering

Peter Ostapiuk, VP Media Product Management

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Advantages of Media IP Transmission

- **Efficient use of bandwidth**
- **Fast re-route capability**
- **Automation of access and routing**
- **Global coverage**
- **Accurate prioritization of traffic and guaranteed QoS**
- **Ability to combine video, voice and data services**
- **Support for various media applications**
 - **Linear and non-linear video**
 - **Point-to-point and point-to-multipoint**
 - **Full-time and Occasional Use**

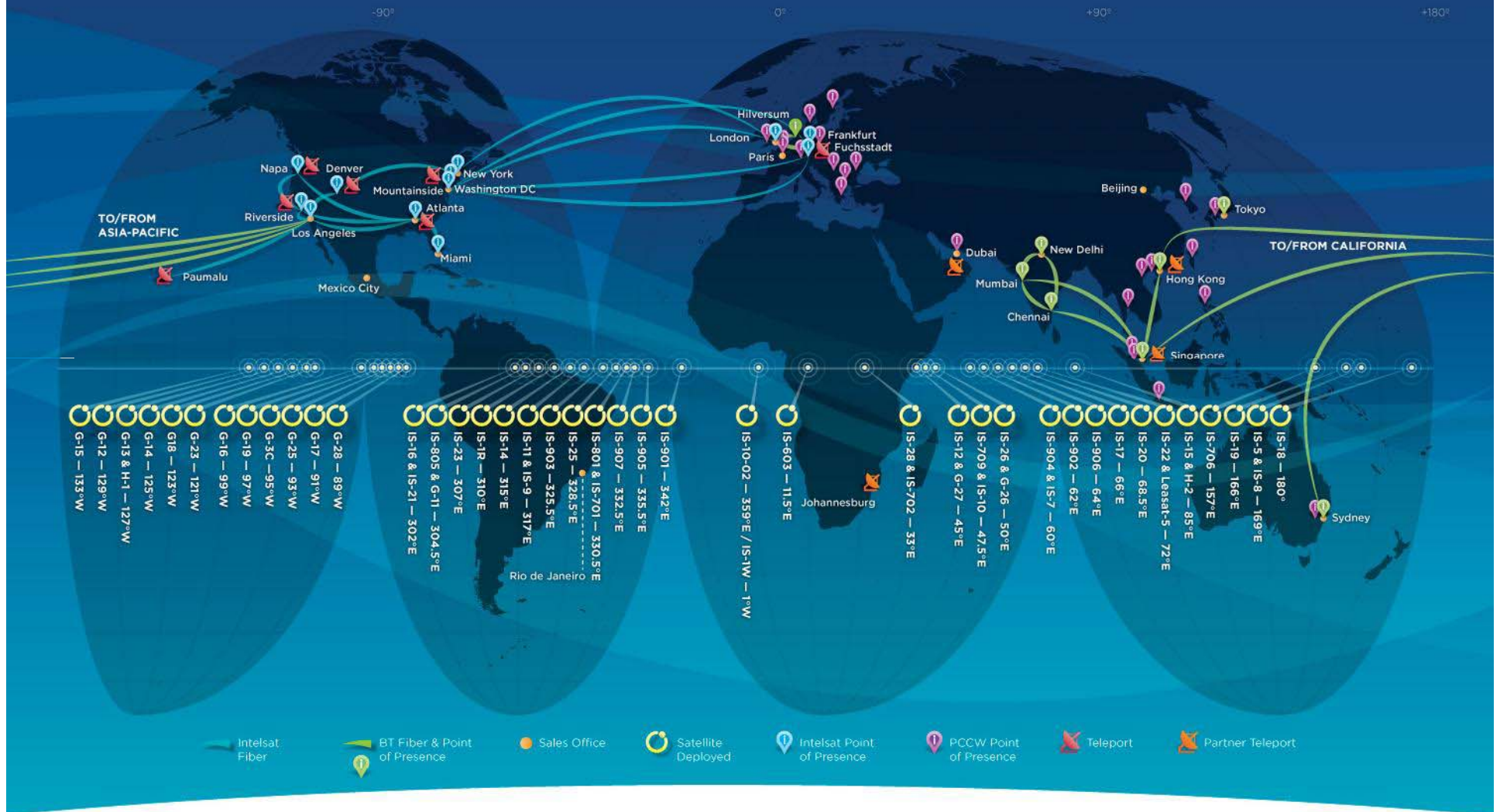


Solution

- **Global hybrid satellite and fiber network combining traditional wide beam satellites, HTS satellites in variety of frequencies (Intelsat Epic^{NG}) and IP MPLS fiber network**
- **Dedicated, guaranteed services and throughput designed for broadcast.**
- **Intelligence and complexity resides in the network and not in the field. Automated terminals operated with a minimal amount of training and technical complexity.**
- **Terminals providing all IP-based services from one field unit (video, voice and data simultaneously) with auto acquire function and automated billing system based on usage.**
- **Efficiencies in system design and antenna size and complexity are narrowing the gap in hardware costs for Ku SNG terminals.**



IntelsatOneSM Global Network Architecture



Satellite, Fiber & Teleports platforms provide Global reach

Occasional Use with Intelsat Epic^{NG}



Projected coverage area of IS-29e and IS-33e

Cost effective high bit rate transmission in combination with new advance modulation and encoding technologies increasing MHz to Mbps efficiencies.

- Ability to combine current wide beams capacity with C/Ku/Ka overlay spot beams for linear feeds and file transmission.
- Beam to beam connectivity and band cross strapping.
- Uplink from any beam to any beam – no need for gateways.
- Compatibility with current ground infrastructure and terminals
- Terrestrial fiber connectivity via IntelsatONE for integrated satellite/fiber network solution for multiple satellite solutions.



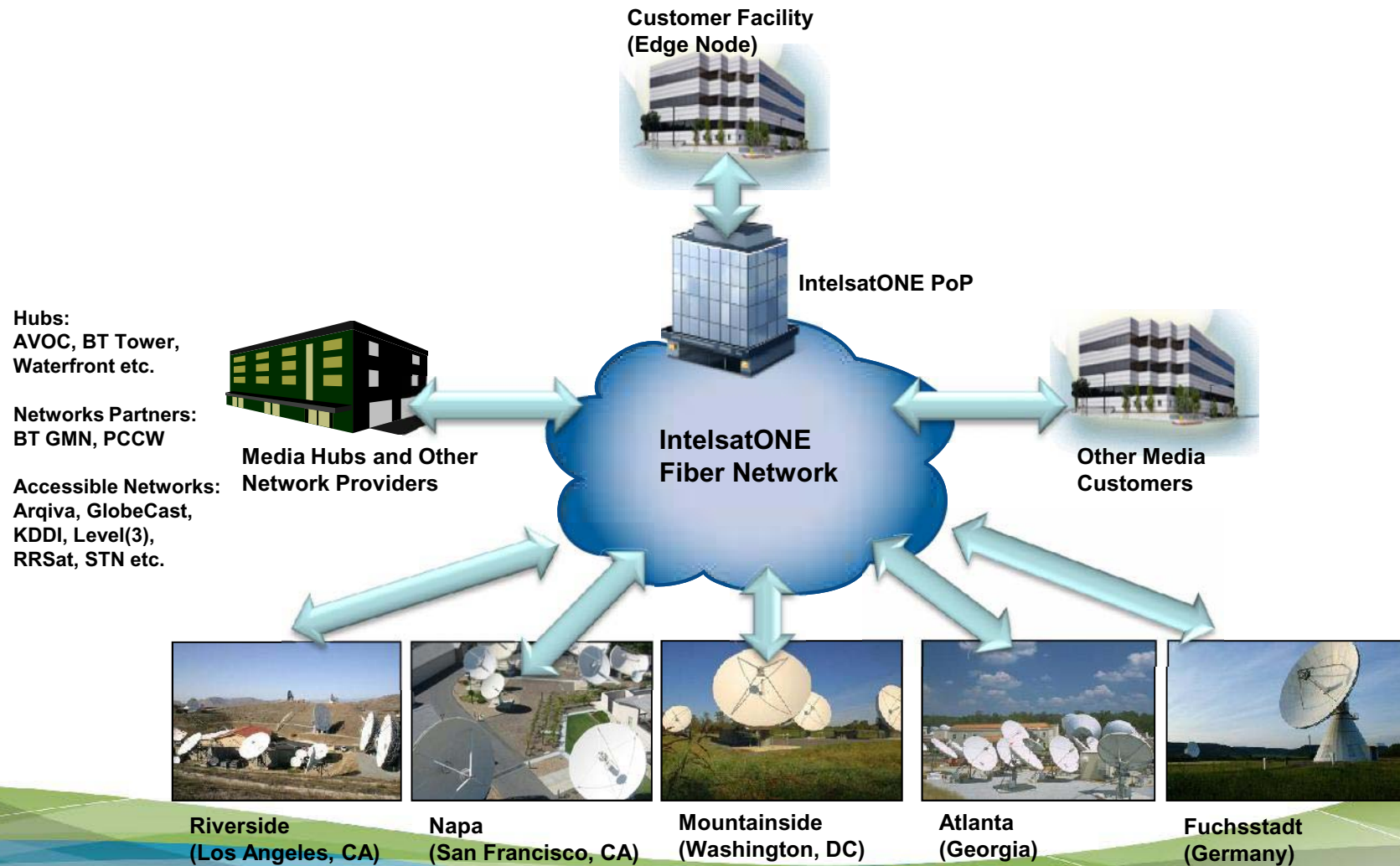
IntelsatOne Media Fiber Network



- **IP/MPLS based video network**
- **High-speed linear video transport**
- **Fully integrated with IntelsatOne Teleports & MCPC Platforms**
- **Teleports are connected via 3 physically diverse & vendor diverse fiber paths**
- **3 or more fiber paths in/out of all key city PoPs**
- **MPLS Fast Re-route**
- **Clean switching at the edge**
- **99.99% SLA with Intelsat's commitment to Service delivery**
- **Advanced video monitoring & Service quality assurance**



IntelsatONE opens up a world of connectivity opportunities



Case Study: Hurricane Sandy

