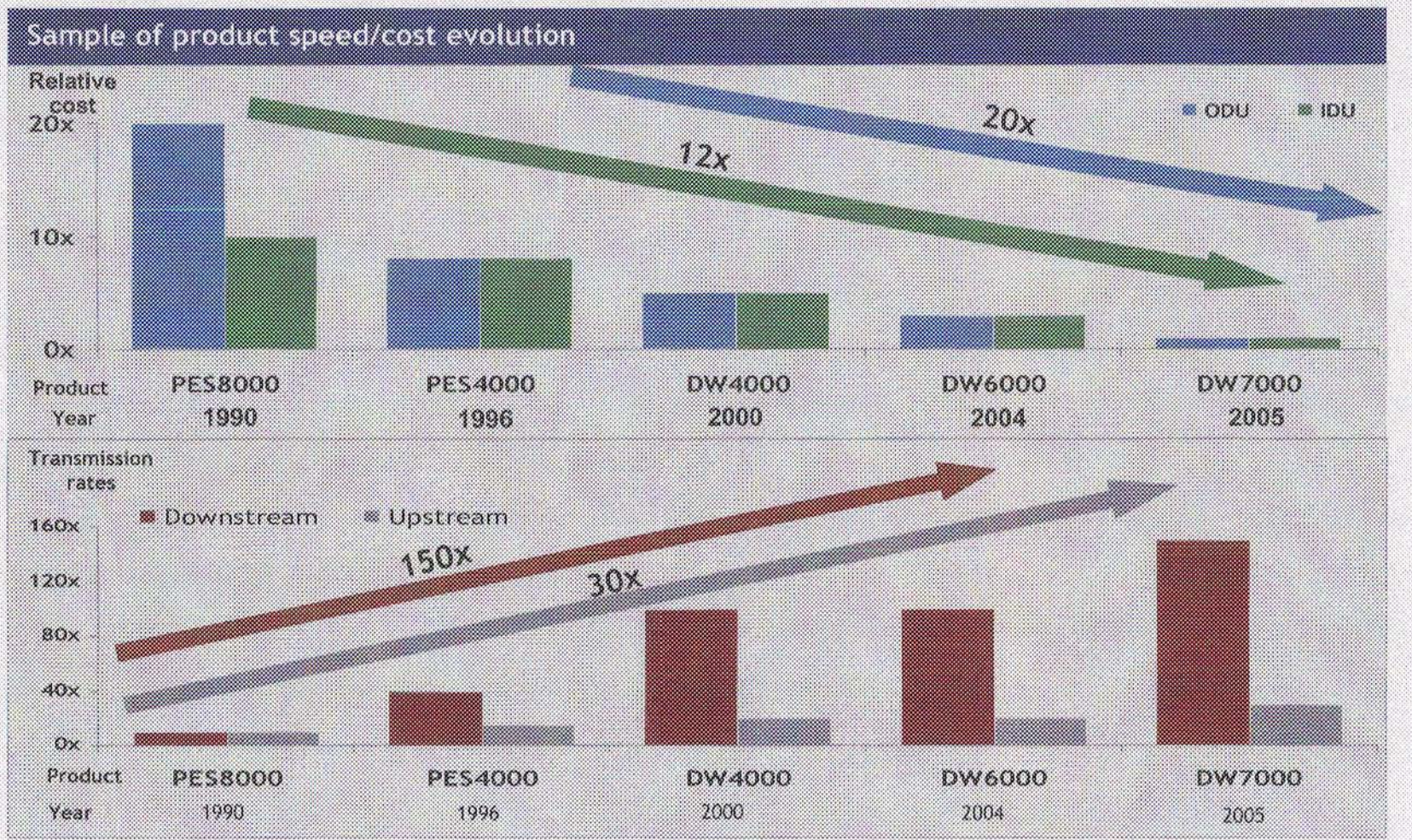
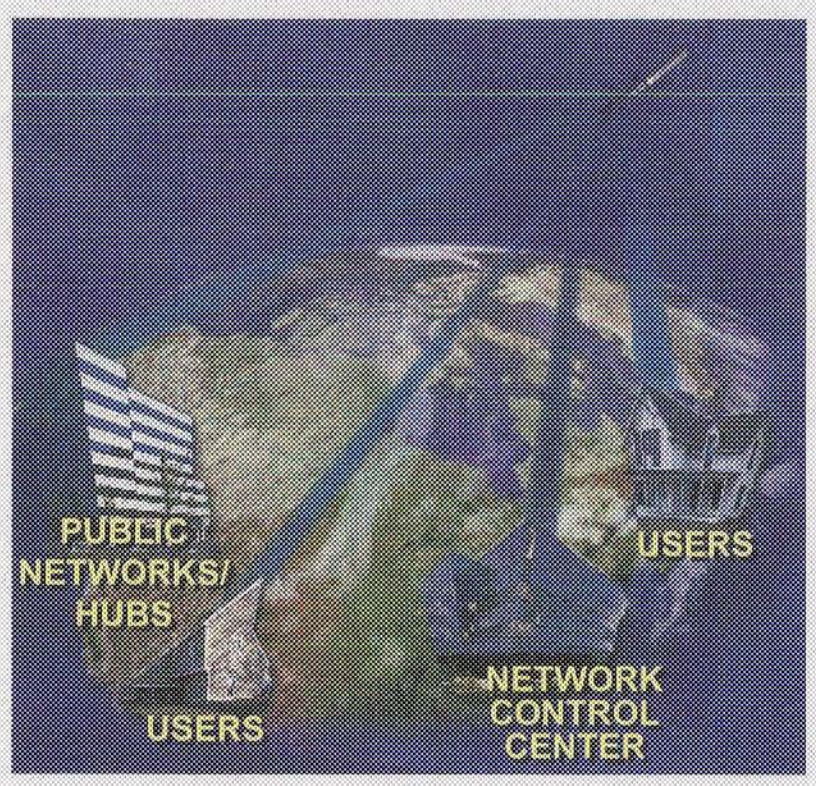
Hughes Technological Leadership



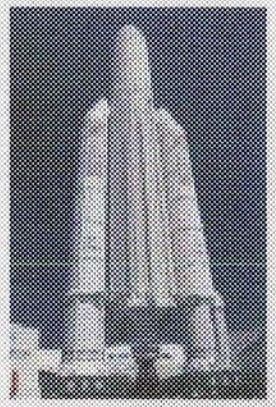
What Is SPACEWAY?

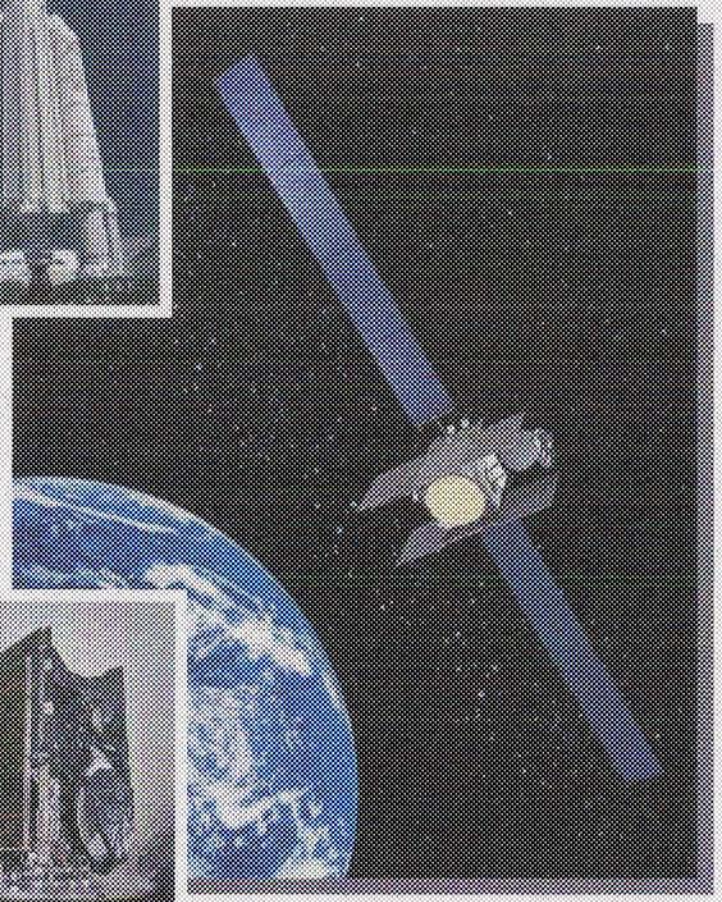
A next-generation, broadband satellite platform for new value-added HughesNet services.



- High-capacity Ka-band system
- High-speed mesh connectivity
- Powerful, small, easy-to-install terminals
- Spot beams and onboard switching: 10 Gbps throughput
- Simultaneous broadcast and multicast services
- Downlink speeds up to 440 Mbps

What Is a SPACEWAY Satellite?



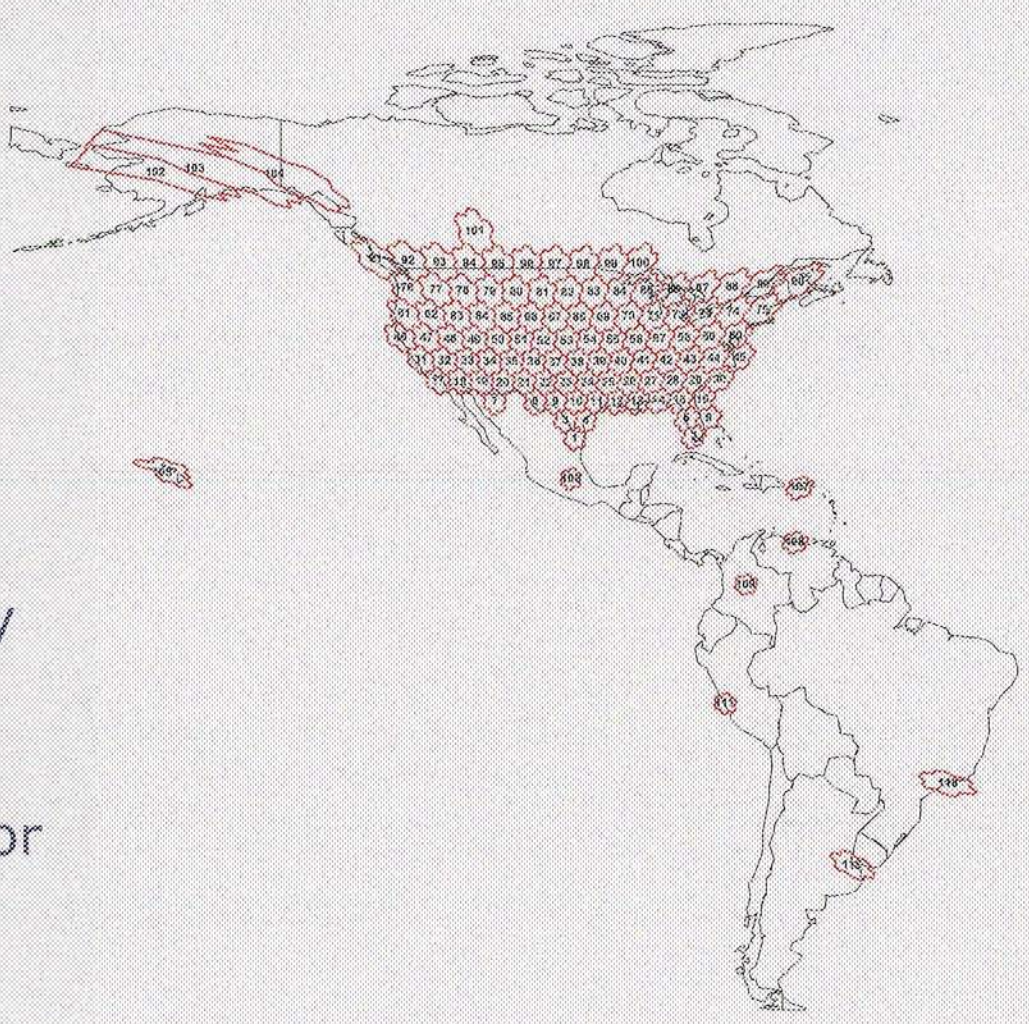


Fast Packet Switch in the Sky

- Provides flexible packet-switched network in the sky
- Combines spot beams and onboard processing for inter-beam routing and frequency reuse
- Enables high-speed interactive applications and multicast/broadcast applications
- Services and high-speed Internet access
- Supports data, voice, images, and video
- Low-cost, easy-to-install terminal

SPACEWAY Coverage

- Launched in August 2007
- Service launch expected in March 2008
- U.S. Coverage includes:
  - Alaska, Hawaii, Puerto Rico
  - > 80% Canadian population
- Full-mesh connectivity allows any site to reach any site
- Internet access gateways for direct Web access



Next Generation Platform

- High-speed, small, low-cost terminals:
  - Transmit speeds:
    - 512 kbps to 2 Mbps
  - Receive speeds:
    - 2-5Mbps
- Will enable
  - More subscribers
  - Better service
  - At a better price

Regulatory Issues

NPRM on Part 25

-Order pending for some time. Many changes proposed in the FNPRM that would simplify licensing, with benefit to the satellite community. However, the proposal from FCC on contention protocol in NPRM would negatively impact Hughes and other VSAT operators making use of this technique.

Net Neutrality

-Hughes does not discriminate between types of traffic that passes through its network. It does dynamically restrict the data rate of users making prolonged heavy demands on the limited satellite resources. The details are in a publically available "Fair Access Policy".

Thank You