

ViaSat, Inc.

FCC International Bureau Presentation

April 13, 2011

Discussion Topics



- ViaSat Overview
- Next Generation Satellite Systems
- Satellite Program Status
- User Terminal
- Gateway Earth Stations
- Other

ViaSat Overview



- ViaSat founded as startup company in 1986 and has been public since 1996 (NASDAQ: VSAT)
- Market capitalization of approximately \$1.4 billion and last fiscal year revenues of nearly \$700 million
- ViaSat invents, designs and builds telecommunications technology
- Leading provider of consumer broadband, enterprise and government satellite networks and communications products on a global basis
 - Shipped over 600,000 consumer terminals worldwide over last five years
 - WildBlue service (purchased by ViaSat in December 2009) has approximately
 425,000 customers using two first generation Ka band satellites
 - Leading provider of VSAT networks, tactical data links and network security to US Department of Defense

Consumer Broadband



- WildBlue is a leading US broadband satellite service provider
 - Over \$900 million cumulative invested capital
 - Entered service in 2005
- Infrastructure
 - 2 Ka Satellites
 - ViaSat SurfBeam networking system
- Over 425,000 subs today
 - 55% wholesale (powered by), 45% WildBlue brand retail
- Distribution partners









Satellite Technology Leadership



- Leading innovator in satellite communications industry
 - Focus on continued improvement in performance and bandwidth efficiency of satellite networks
 - First to design ~140 Gbit/s satellite (VIASAT-1)
 - Assisted in architecture of Eutelsat's KA-SAT satellite (~70 Gbit/s)
 - Next generation satellites currently in design phase with further capacity improvements

Next Generation Satellite Systems



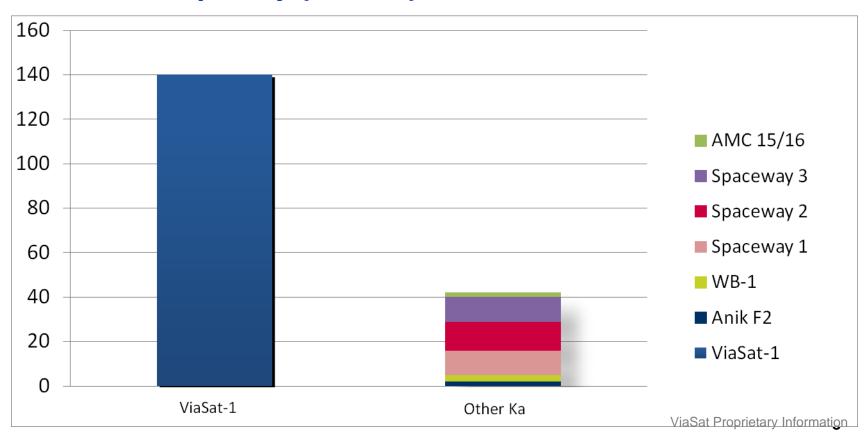
- Next Generation North American Satellite System
 - Over \$400 million invested in satellite and ground technologies
 - Partnership for Canadian capacity with Barrett and Loral
 - Will drastically improve broadband speeds and quality of service to levels similar to many terrestrial technologies
 - Lowers cost per bit allowing affordable service offerings
 - Access to NGSO spectrum is critical to this result
- Partners for Next Generation Satellite Systems
 - Eutelsat in Europe, North Africa and Middle East
 - Yahsat in Middle East
 - Barrett/Loral in Canada



Extraordinary Capacity



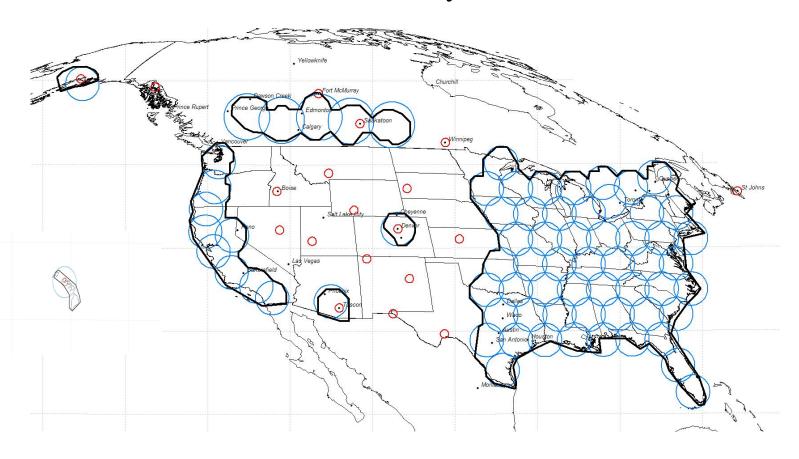
-Satellite Capacity (Gbit/s)



Satellite Coverage



User Beams in blue, Gateway beam center in Red



Satellite Info



- 16 U.S. Gateway locations + 1 Canadian
 - Gateway beams are 3 or 4 color reuse
- 63 U.S. User beams
 - User beams are 1 color reuse
- User beam coverage in heavily populated areas
- Gateway beams in less populated areas with arid to moderate rain / weather climates

Satellite Status



- Satellite is complete and in final testing
- Launch window is late July to early August
- IOT period is approx 60 days
- Service commencement late Oct to early Nov
- US334 coordination underway

FCC Authorizations



- FCC authorizations granted
 - VIASAT-1 market access grant (S2747)
 - 1500 MHz uplink
 - Portion shared with NGSO (secondary)
 - Portion shared with LMDS (secondary)
 - 1500 MHz downlink
 - Portion shared with NGSO on non-conforming basis
 - Portion shared with terrestrial users being sunsetted

FCC Application Status



- FCC applications pending
 - User terminal (4 M) GSO and NGSO band
 - Has completed PN period with no comments
 - 14 Gateway earth stations (in U.S.)
 - 2 gateways also provide TT&C support
- FCC applications to be filed
 - 2 Gateway earth station applications
 - Anchorage & Juneau
 - STAs to support on-site GW antenna testing prior to grant of GW application
 - STAs for support of IOT

User Terminal







User Terminal



- Fully 25.138 compliant
- Transmits in frequency bands
 - 28.35 29.1 GHz, 29.5 30.0 GHz
- Receives in frequency bands
 - 18.3 19.3 GHz, 19.7 20.2 GHz
- Same considerations that warrant blanket licensing rules in GSO band warrant blanket licensing waiver in NGSO band

Gateway Earth Station









Gateway Earth Station



- Meets FCC 25.138 requirements
- Transmits in frequency bands
 - 28.1 29.1 GHz 29.5 30.0 GHz
- Receives in frequency bands
 - 18.3 19.3 GHz, 19.7 20.2 GHz

Sharing



- Gateways and user terminals use same NGSO sharing technique as previously approved for spacecraft
- Gateways and user terminals compatible with existing terrestrial uses of the bands

Other



- WildBlue minor modification (on PN)
- Minor updates to to pending applications