



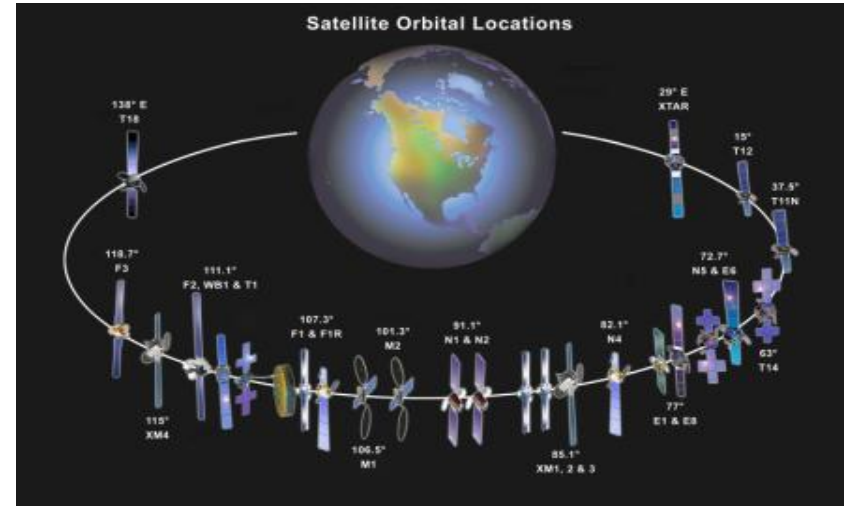
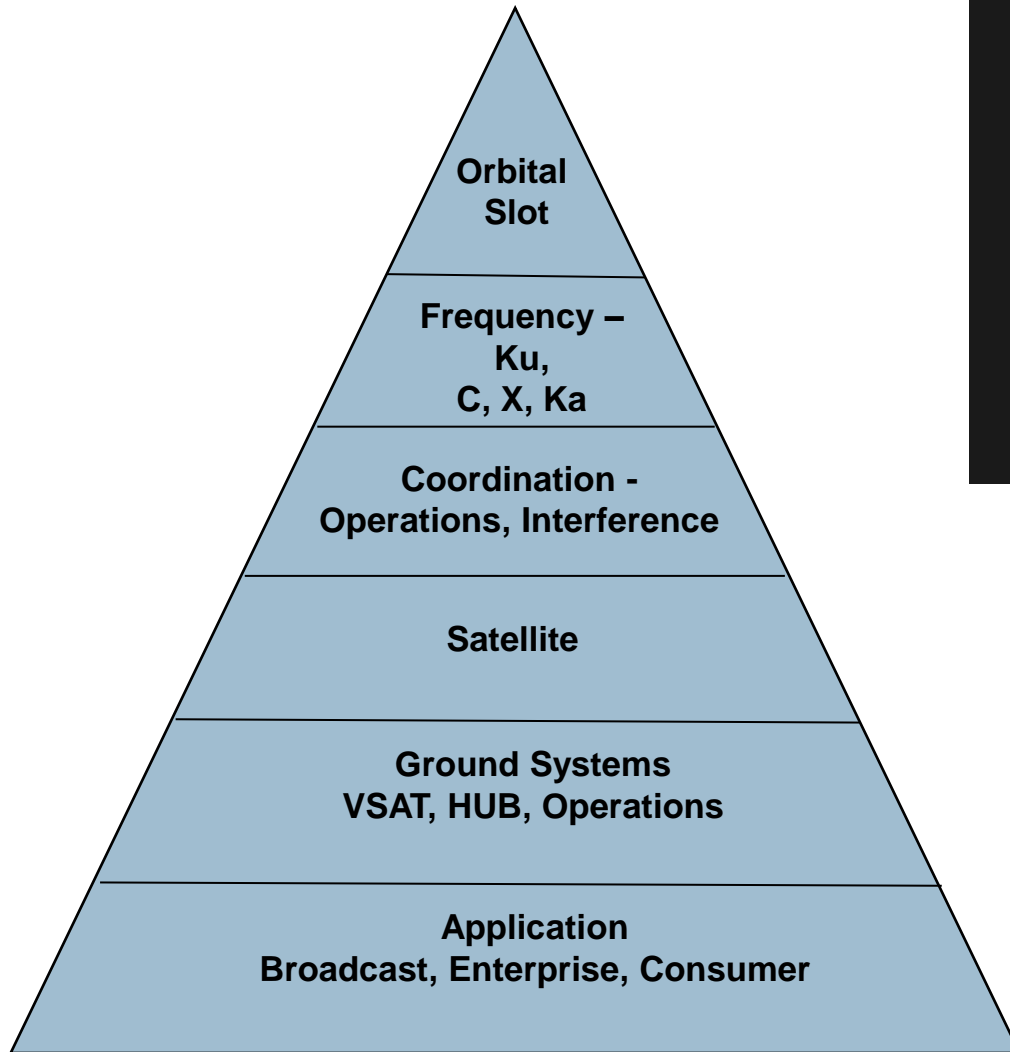
**National Space
Awareness Conference**

Ottawa

November 19, 2010

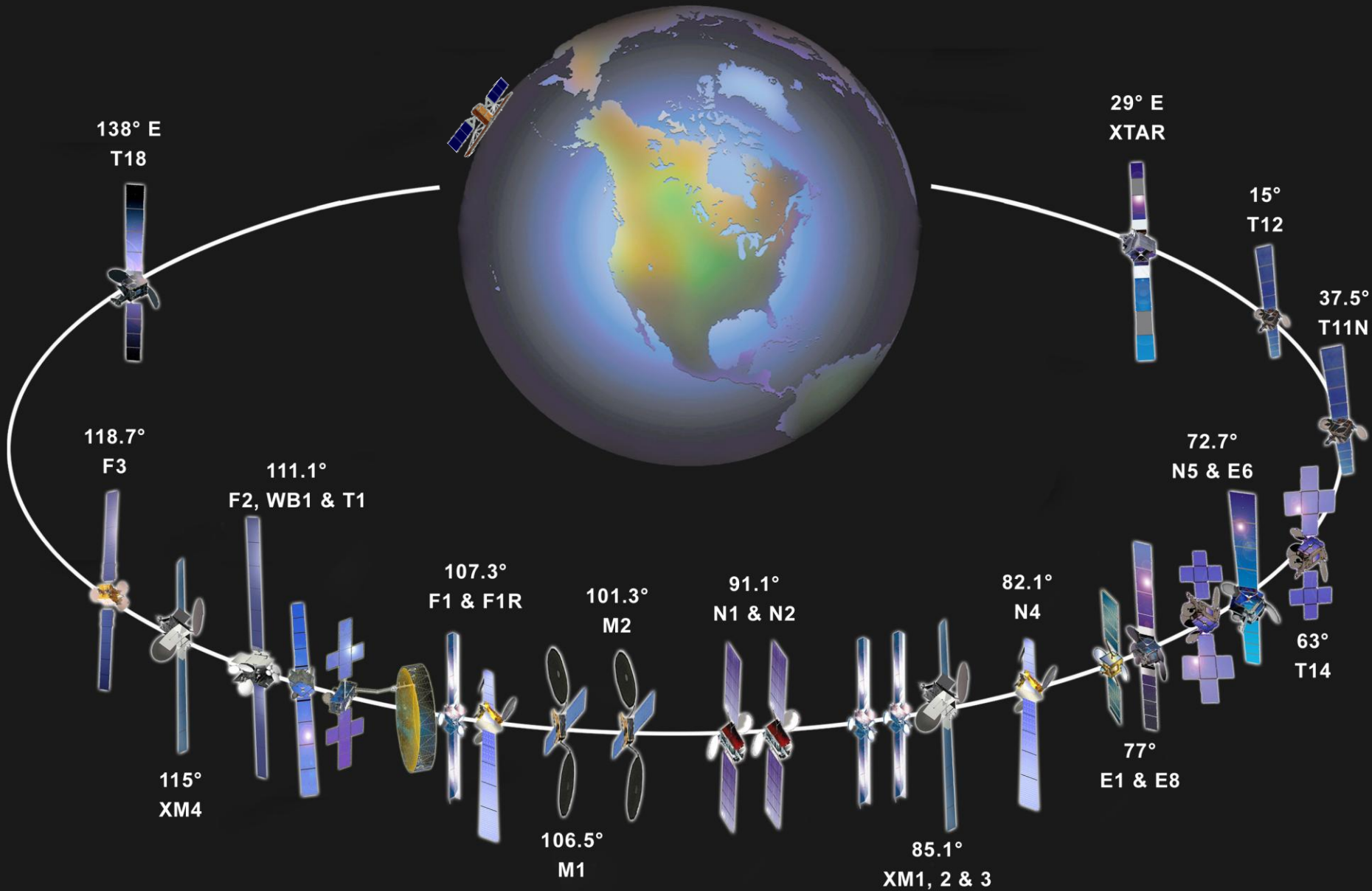
- Who is Telesat
- Satellite 101
- The Satellite Telecommunications Marketplace
- Things we are doing that may be of interest

Satellite 101



- **Fourth largest Fixed Satellite Services (FSS) provider**
 - Operate global fleet of 12 satellites with 3 more under construction – Telstar 14R, Nimiq 6 and Anik G1
 - Headquartered in Canada with offices and facilities around the world
- **Posting strong growth in revenue and EBITDA due to:**
 - Expansion of North American/Canadian video neighborhood – Bell TV, EchoStar/DISH Network, Shaw Direct
 - Increasing demand for international fleet capacity
 - Global reputation for customer response
- **Technical expertise and network reliability remain core capabilities**
 - Record of innovation and industry firsts over 40+ years, e.g. first successful commercial implementation of consumer Ka broadband service
 - Provider of TT&C services for 25 satellites – 12 for Telesat and 13 for others
 - World class R&D Lab
- **Privately Held** – Owned by Loral Space & Communications (NASDAQ: LORL) and Canada’s Public Sector Pension Investment Board

Satellite Orbital Locations



Our Services – Satellite Operations



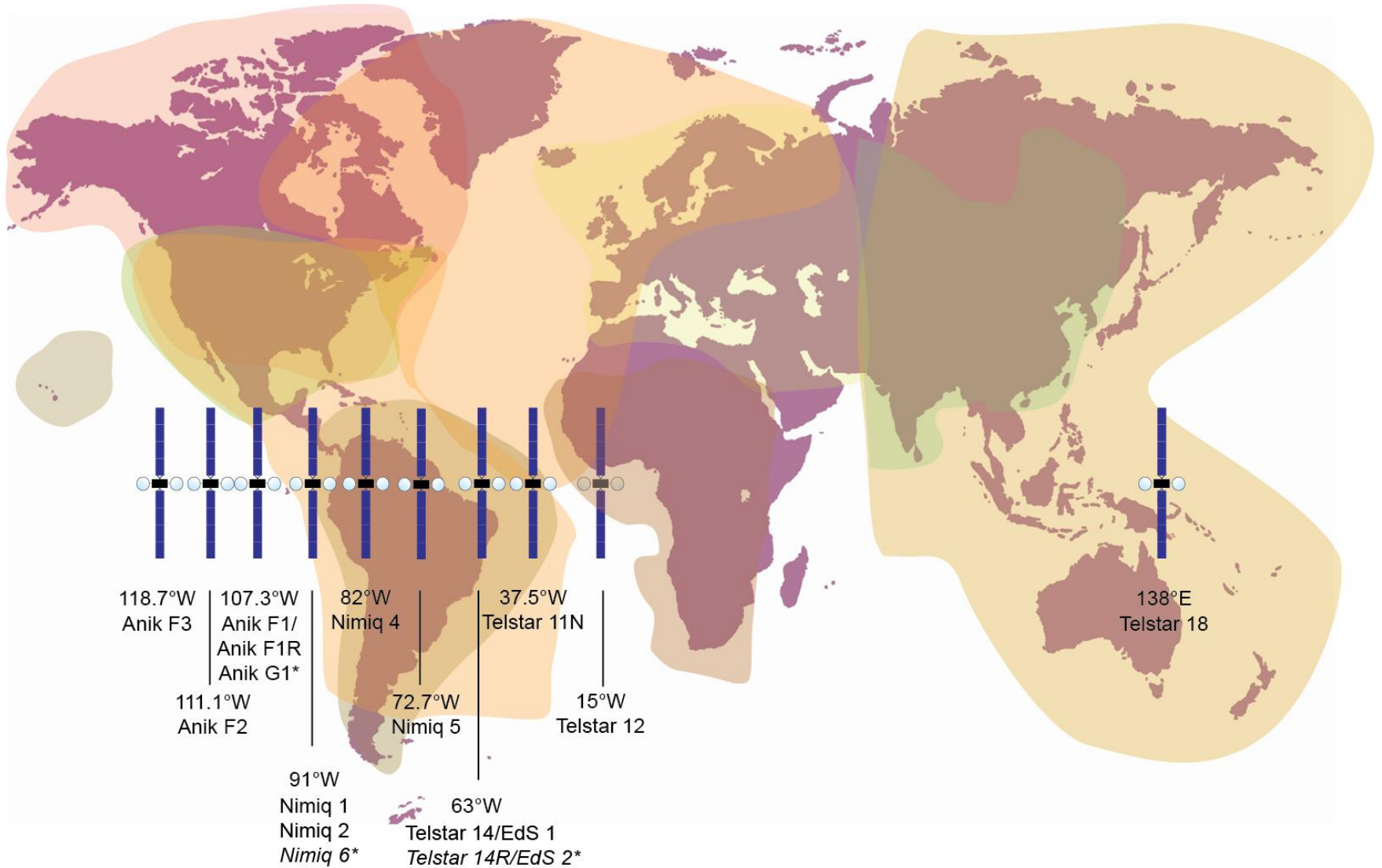
Satellite Control Centre – Ottawa

- Perform satellite operations for 12 of our own satellites and for 13 others

Network Operations Center – Toronto

- Worldwide network operations

Global Coverage



*Under Construction

Our Services - Broadcast



Premier video distribution satellites serving broadcasters, cable networks, and content creators globally

- Leader in North American video services market
- Direct-to-Home services
 - Bell TV ~2 million subscribers, Star Choice ~900 thousand subscribers, plus cable head end distribution, DISH (US) supporting 13.8 million subscribers
- Services to other Canadian broadcasters including CBC, CTV, RDI, TV5
- International broadcasters including NBC, Chellomedia and TV Globo



Our Services - Enterprise

- **Expertise in design, implementation and operation of satellite and hybrid satellite/terrestrial networks**
 - Telesat manages networks for broadcasters, telecom operators, governments and corporations on a global basis
 - Main government customers are the U.S., the UK, Canada and Latin America
 - Main corporate customers include retail and resource sectors
- **Services to the North** – from basic telephony to IP connectivity, telemedicine and distance learning
- **Leadership in rapidly growing broadband services via Ka-band and C-band**
 - Telesat provides direct to community service for NWTel, SSI Micro, Omniglobe and others
 - Telesat's F2 and F3 satellites are used to provide direct to consumer Ka service



Our Services - Consulting



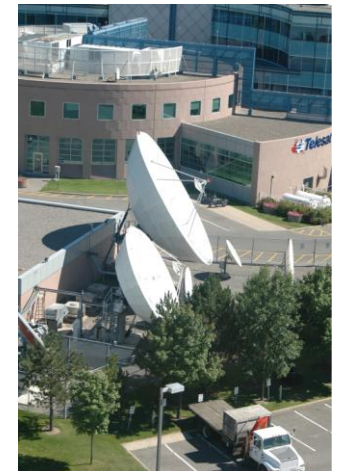
- Recognized around the world as industry expert with a reputation for independent, unbiased advice
- Perform satellite operations for 13 third-party satellites
- Provide technical consultancy to satellite operators, insurers, and other industry participants on a global basis, including procurement of satellites and launch services
- Including work with foreign governments, space agencies
 - Egypt (Ministry of Civil Aviation)
 - ESA
 - Mexico (Secretaria de Comunicaciones y Transportes)
 - Abu Dhabi Emirate (Mubadala Development Agency)
 - Nigeria (NASRDA)
 - Pakistan (SUPARCO)
 - RASCOM
 - South Korean (ETRI)
 - Vietnam (VNPT)



Ground Resources



- Telesat's teleports represent the portals through which virtually every Canadian broadcast signal is transmitted to the satellites
- Extensive fiber access connects these facilities, enabling Telesat to achieve high network reliability
- Broadcasting, internet, telco and government services provided
- 25,000 earth stations maintained by Telesat across North America



Operations



- 24x7 Network Support
- Full range of support services
- Field Service Representatives

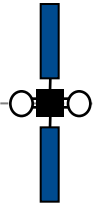


- Satellites have become part of basic telecommunications infrastructure – TV, Radio, Internet, Phone, Business Networks
- Highly competitive marketplace
- Large operators in US + Europe
- Unique technical, business, and regulatory elements to the business
- Satellites are bigger and more specialized
- Satellites remain the only viable way to provide telecommunications to everyone anywhere

Things we are doing - FSS

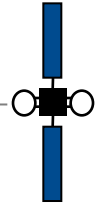


118.7°



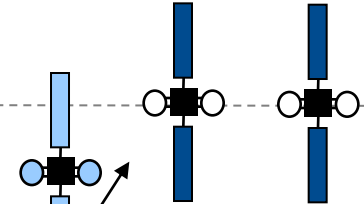
Anik F3

111.1°



Anik F2

107.3°



Anik F1R Anik F1

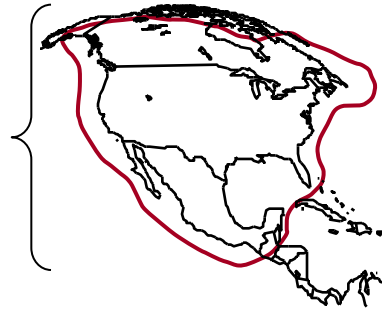
G1
(2012)

C, Ku



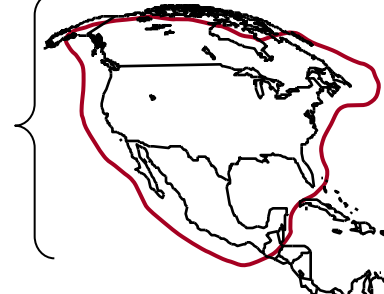
Shaw Direct –
23 Ku-band
VSAT, Gov.,
Enterprise
Telcos

C, Ku



Shaw Direct –
28 Ku-band
Cable
TV Network

C, Ku, NAV Payload



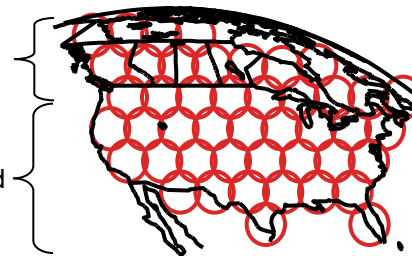
Ka



Barrett growth
Ontario/Quebec

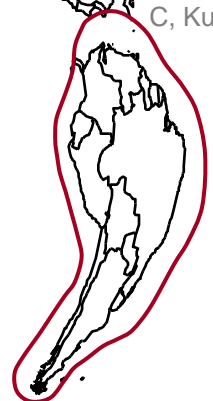
Barrett

Ka

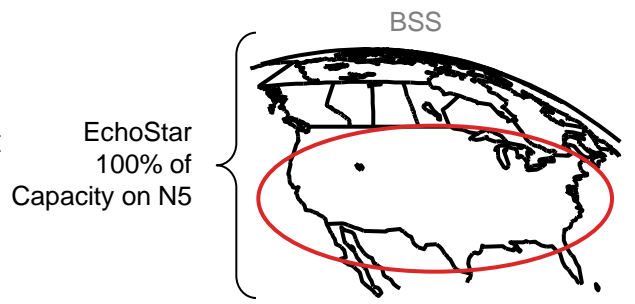
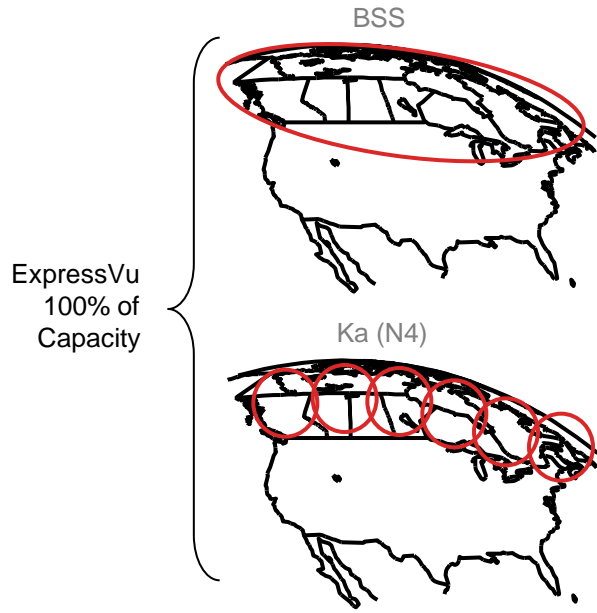
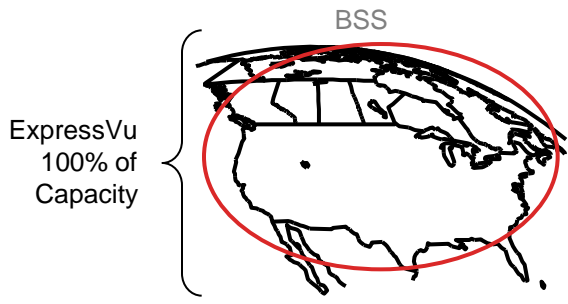
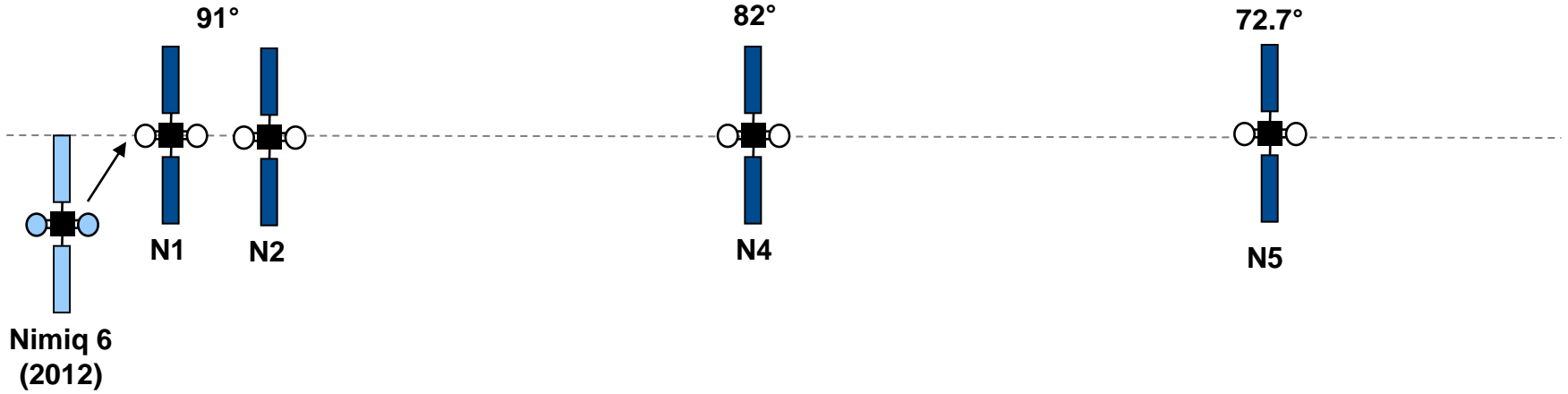


WildBlue
100% pre-sold
US capacity

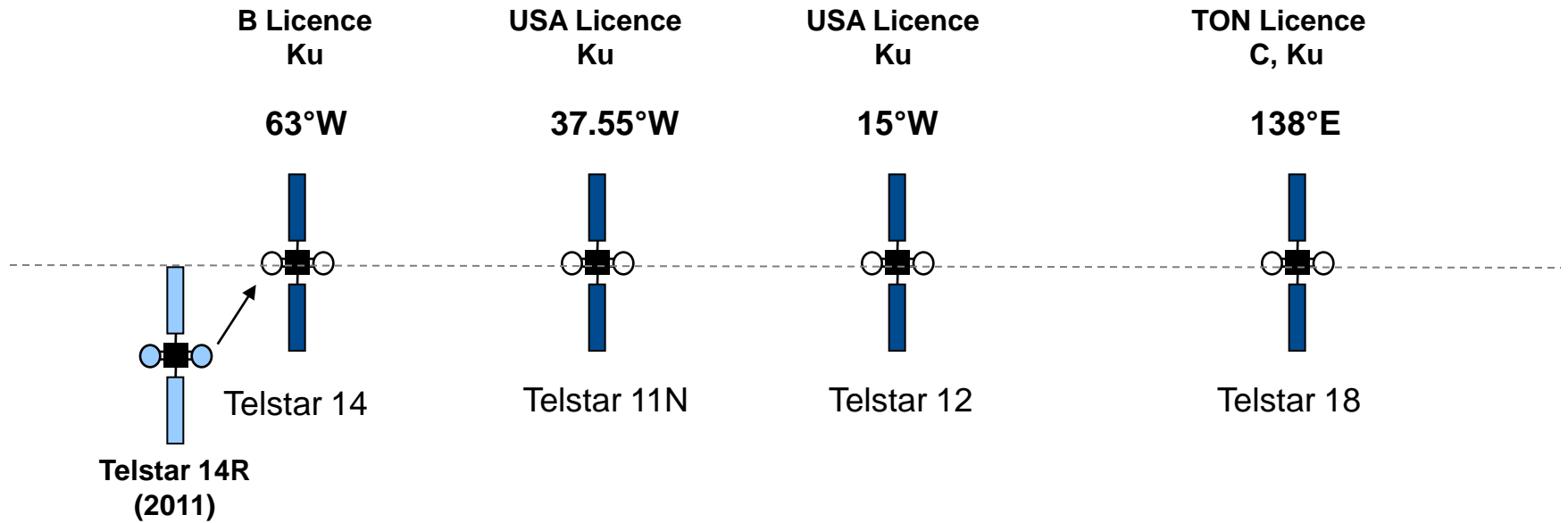
C, Ku



Things we are doing - BSS



Things we are doing - International



■ **Under construction - \$1B**

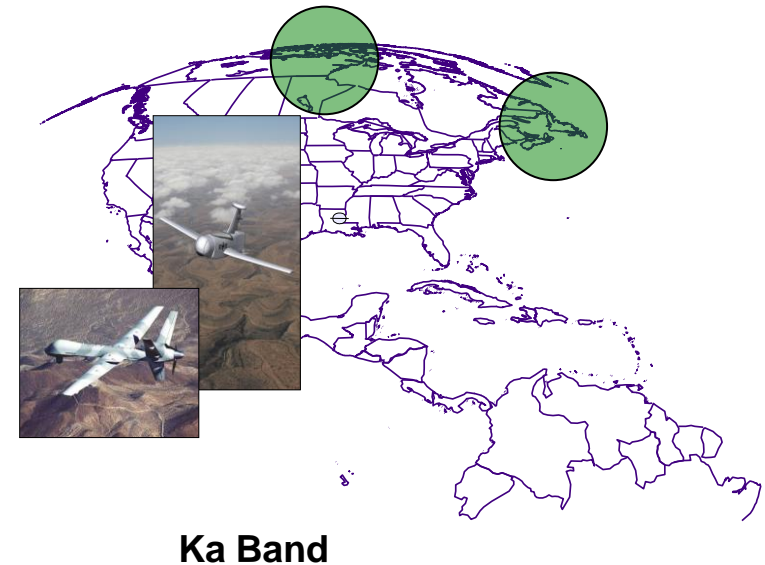
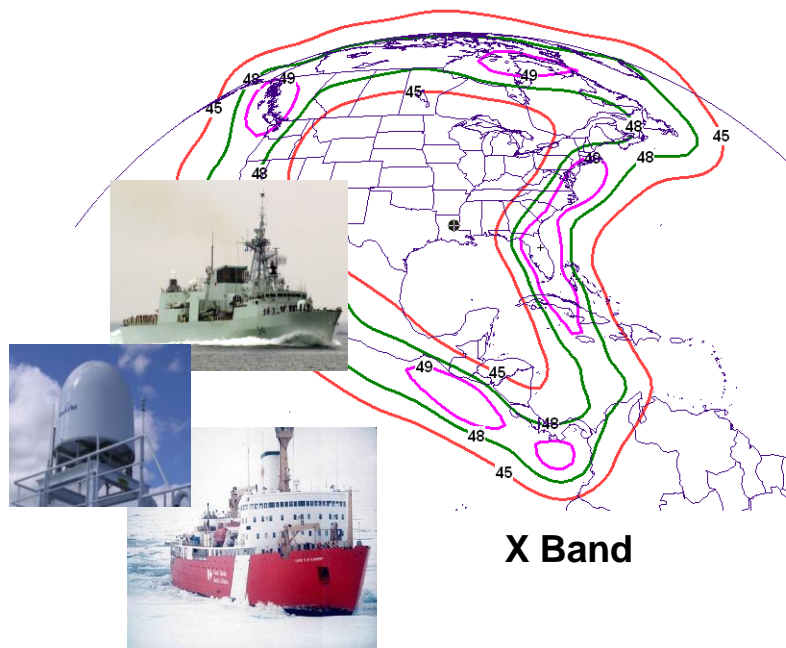
- T14R – Brazil, Atlantic Ocean, USA
- Nimiq 6 – DTH Canada – Bell TV
- Anik G1 – DTH Canada – ShawDirect, Military payload, South America

■ **In Planning**

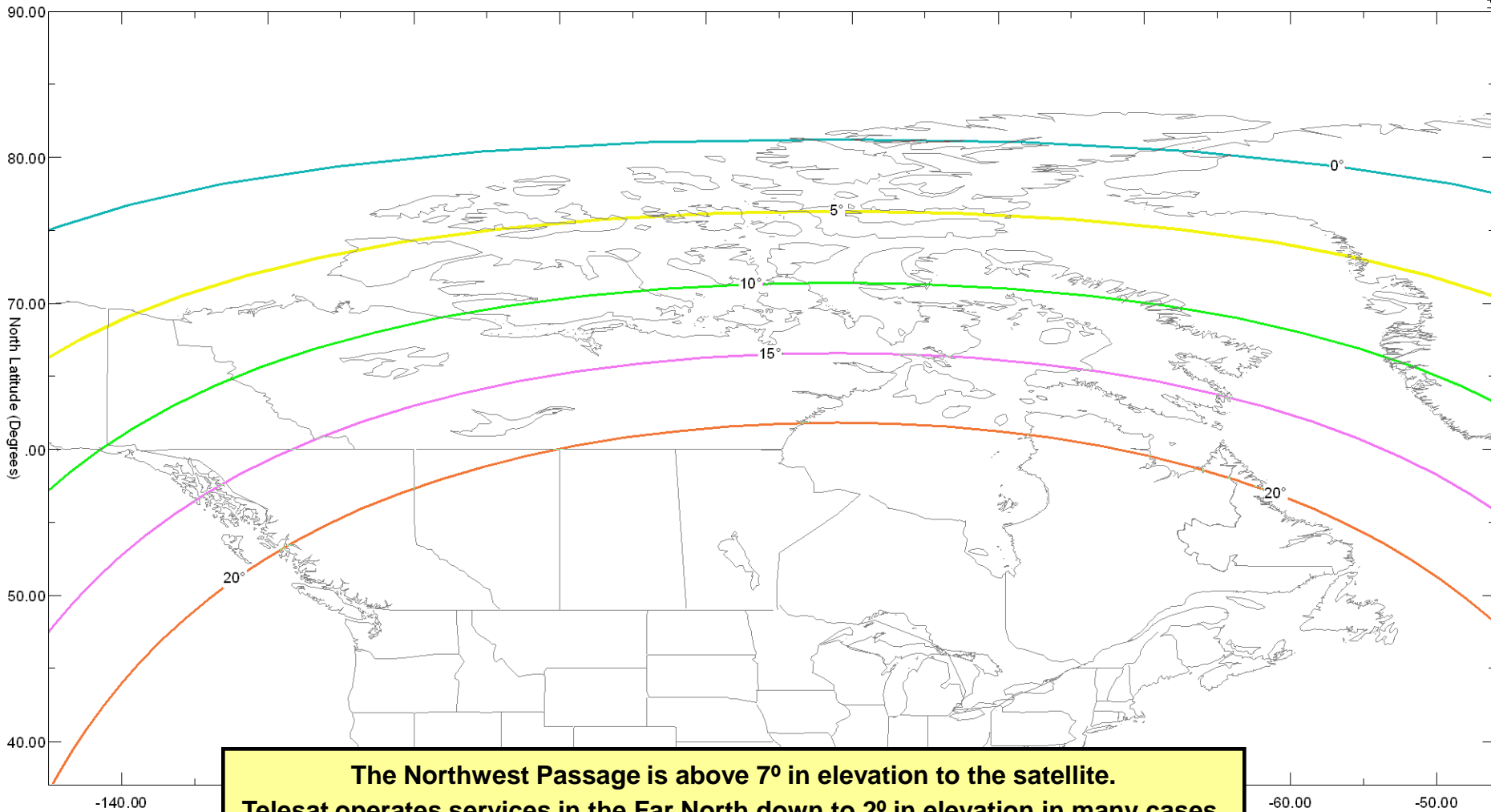
- Anik G2 – DTH, Internet
- Nimiq 7 – DTH, Internet
- Polarsat – Polar communications + weather

Things we are doing – Hosted Payloads

- Commercial satellites are ideal vehicles for hosted payloads – government, multi-region, specialized
- Anik F1R has navigational payload, Anik F2 has internet payload, Anik G1 has a military payload



Things we are doing – Bringing Broadband to Northern + Remote Areas

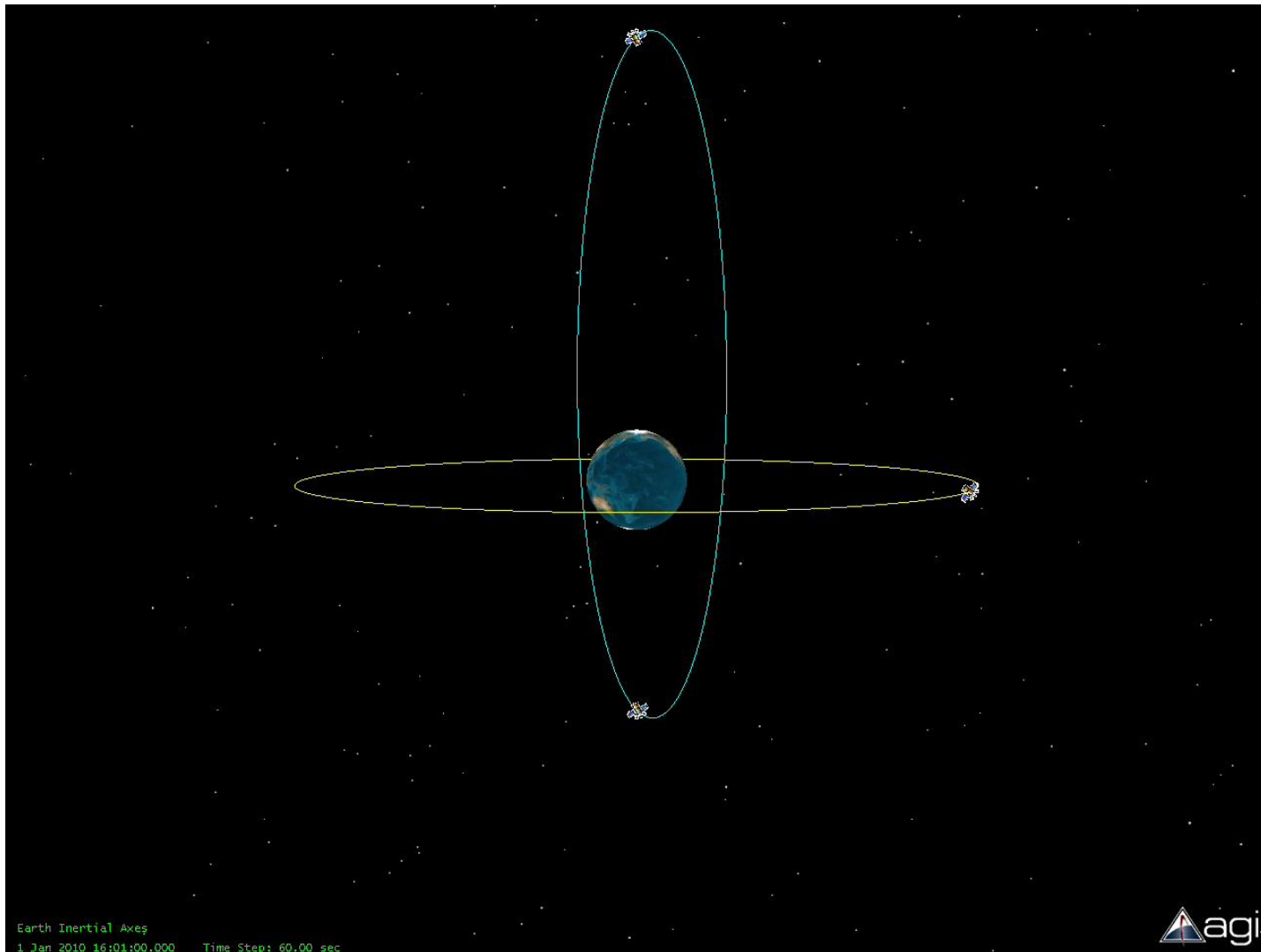


Things we are doing – Actively working on Polar Satellite Constellation



- **Canada has over the last several years studied the development of a capability to provide for continuous communications and meteorological observation throughout the Canadian Arctic**
- **This system would increase Canada's capability in the polar region from a sovereignty, security and scientific standpoint**
- **The plan is to develop, build and launch a constellation of satellites in highly elliptical orbit which can meet government requirements for high data rate communications and meteorological observations**
 - Communications
 - enabling Canadian Forces, Canadian Coast Guard, Fisheries and Oceans Canada, Nav Canada, Transport Canada, Indian and Northern Affairs Canada and Environment Canada activities in high Arctic
 - providing broadband communications capabilities over the polar region
 - facilitate exploration and exploitation of natural resources
 - Weather
 - significantly improving the accuracy of weather forecasting, including severe weather event warnings
 - improving the understanding of global climate change and the ability to model and predict phenomena associated with it
 - Scientific
 - Opportunity for a variety of payloads to be accommodated

Tundra Orbit



Continuous coverage of circumpolar region

