2016 – 2017 FBB/HSN Program

- Reduced FBB Pool Purchase to 150 GB per Month in November 2016
- Current rate is $0.70 per MB
- Over 75 FBB Systems currently in use
- HiSeasNet AOR and both Ku-band services have been boosted to new bandwidths:
  - AOR/POR now has 2Mbit shore-to-ship to share with 256 kbps ship-to-shore.
  - Ku 1 has 768kbps, and Ku2 has 1Mbit.
2017 Monthly FBB Supply - Demand
2017 Cumulative FBB Supply - Demand
CURRENT SAT COMMS SYSTEMS

• INMARSAT Fleet-Express (Fx) Update:
  • Combination of Ka and L (FBB) bands
  • Gx100 Ka Antennas are 1 meter antennas
  • Purchased 6 Gx100 Ka antennas:
    • Revelle  September 2015
    • Armstrong February 2016
    • Sikuliaq March 2016
    • Palmer June 2016
    • Oceanus January 2017
    • Atlantic Explorer March 2017
CURRENT SAT COMMS SYSTEMS

- INMARSAT Data Plan:
  - $4,250/month for as much data as can be passed through 2 Mbps (shore to ship) & 512 Kbps (ship to shore) Ka bandwidth and 432 Kbps FBB bandwidth
  - More bandwidth available as systems become global
- Plans for more Fx Systems into Operation to reduce cost for April 2017 increase of FBB Pool to 190 GB per Month
- 2017 RVTEC Subcommittee continues to review fleet needs