2015 – 2016 FBB/HSN Program

- Upgraded FBB Program to 204,800 MB per Month in November 2014
- 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.
2016 Monthly FBB Supply - Demand

2016 MONTHLY AVAILABILITY vs. MONTHLY USE

MBs

Nov 15  Dec 15  Jan 16  Feb 16  Mar 16  Apr 16  May 16  Jun 16  Jul 16  Aug 16  Sep 16  Oct 16

TOTAL MB Used per Month  Monthly Availability
2016 Cumulative FBB Supply - Demand

2016 CUMULATIVE AVAILABILITY vs. CUMULATIVE USE

MBs

Nov 15  Dec 15  Jan 16  Feb 16  Mar 16  Apr 16  May 16  Jun 16  Jul 16  Aug 16  Sep 16  Oct 16

-    -    -    -    -    -    -    -    -    -    -    -

Cumulative Availability  Cumulative Usage
FUTURE SAT COMMS SYSTEMS

- INMARSAT GlobalXpress Update:
  - Combination of Ka and L (FBB) bands
  - Gx100 Ka Antennas are 1M antenna with Radome dimensions of 1.3 m by 1.5 m
  - Purchased 4 Gx100 Ka antennas for Testing:
    - Revelle  September 2015
    - Armstrong February 2016
    - Sikuliaq March 2016
    - Palmer Installation this Summer
FUTURE SAT COMMS SYSTEMS

• INMARSAT Data Plan:
  • $4,500/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
• Service Availability anticipated in May
• Would like to get a couple more Gx Systems into Operation
• 2016 RVTEC Subcommittee continues to review fleet needs