Goal

The goal of the ship/shore communications subcommittee is to help the federal funding agencies develop a viable plan for the US Academic fleet’s ship/shore communications that will help the ships meet the growing demands of internet connectivity for general communications and telepresence.
• Define/quantify normal ops bandwidth needs
• Give guidance on infrastructure and models for telepresence
• Create ideas/plans on how to meet the above
Requirements

- Internet at sea
  - Science Operational Support
  - Ship Operational Support
  - Data to ship
  - Data from ship
  - Ship email
  - Access to shore/web email
  - Morale
  - Non-cruise related science business
- Telemedicine
- Voice
  - Science Operational
  - Ship Operational
  - Safety
  - Morale
- Video –streaming
- Video-conferencing
- Desktop-sharing (eg Webex, Go To meeting)
- Telepresence
Requirements, cont.

- VPN
- Separate systems
- Auditing capabilities
- Security
- Flexibility
- Scalability
- Reliability

512 Kbps CIR Shore to Ship / 256 Kbps CIR Ship to Shore