Electronic Systems Support Unit Seattle

US Coast Guard (MLC)

Polar Science Systems - Support

- USCGC HEALY – actively operating for science work.
- USCGC POLAR STAR – care taker status/ 18 month reactivate.
- USCGC POLAR SEA – no active science.

9 January 2007
Upgrades

Wide Area Network (WAN)
Local Area Network (LAN)

INMARSAT – B (WAN)
- Pervious seasons
  - 64K 2 hour period
- 128K upgrade (all Coast Guard cutters are receiving this upgrade)
  - Broke our current solution
  - 24/7 connectivity at 64K
  - TISCOM provide 2 CISCO routers
  - FIREWALL

David Hassilev
Presentation

January 9th 2007
Upgrades
Wide Area Network (WAN)
Local Area Network (LAN)

IRIDIUM (WAN)
• 24/7 E-mail connectivity
• FTP
• High latitude connectivity
Upgrades

Wide Area Network (WAN)
Local Area Network (LAN)

HEALY Server Upgrades LAN
• Replaced Exchange Server
• Replace SCS Server
• Install SCS 4.0
• Windows Servers 2003
• Exchange 2003
ESU Responsibilities

- Configuration management
- Electronics Grooms
- IT Technical Support – Science Network
- Science Network Support
- Coordination with ship and shore.
Science support

System Grooms

- Terascan
  - New contract

Allied Technologies Group (ATG)

- Polar Icebreaker System Support contract
  - The option of the last year of the contract been renewed
  - David Hassilev contract has been renewed
  - Anticipating hiring of a second ATG Contractor
  - Working on SOW for new contract with multiple year options
  - Last year of the contract will expire March 31st 2008
System Grooms

- Terascan – New antenna 1.5 meter
- Teledyne RDI ADCP
  - 75 kHz
  - 150 kHz
- Seabeam Sonar Bottom Mapper
- Knudsen Sub-bottom profiler
- ADCP 75
- Terascan
  - New contract should be awarded in March
  - Groom scheduled for Shake Down cruise
  - System operational verification
- SeaBeam
  - Schedule Groom Underway
Engineering Division
Polar Science Systems Branch

ESU – 24/7 contact phone number 1-800-982-2564

- James Wilson
- Dave Cohoe
- David Hassilev (ATG)
- Second ATG Contractor
- ETSC Michael Luna
- IT1 Jeff Doramus
- MST1 McFadden (FY08 IT1 billet)
CGC HEALY On-board support

SHAKE DOWN Cruise

March 8th - Seattle    March 16th - Seattle
David Hassilev        Jim Wilson
Dave Cohoe            ETCS Luna
2nd Contractor (new)  IT1 (New)

CRUISE I (BEST)

April 3rd - Seattle    April 9th - Dutch
David Hassilev         David Hassilev
IT1 (Back fill or New) IT1 (Back fill or New)

CRUISE II (Grebmier)

April 9th - Dutch      May 11th - Dutch
David Hassilev         David Hassilev
2nd Contractor         2nd Contractor

CRUISE III (Mayer)

May 12th               June 10th
David Hassilev         David Hassilev

CRUISE V (Mayer)

August 16th - Barrow   August 23rd - Barrow
IT1 Doramus            IT1 Doramus
IT1 back fill or 2nd Contractor

January 9th 2007

CGC HEALY On-board support
Home Port – Seattle, WA