

# 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.



Homeland  
Security

9 January 2007

# Upgrades

## Wide Area Network (WAN)

## Local Area Network (LAN)

### INMARSAT – B (WAN)

- Previous 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



# 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
  - David Hassilev contract has be renewed
  - Anticipating hiring of a second ATG Contractor
  - Working on SOW for new contract with multiple year options
  - Last year of the contract will expirer March 31<sup>st</sup> 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

<b>March 8th</b> - Seattle	<b>March 16th</b> - Seattle
David Hassilev	Jim Wilson
Dave Cohoe	ETCS Luna
2 <sup>nd</sup> 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 Hassliev	David Hassliev
2nd Contractor	2nd Contractor

## CRUISE III (Mayer)

May 12th	June 10th
<b>David Hassilev</b>	<b>David Hassilev</b>

## CRUISE V (Mayer)

January 9 <sup>th</sup> 2007	August 16th - Barrow	August 23rd - Barrow
	IT1 Doramus	IT1 Doramus
	IT1 back fill or 2nd Contractor)	



# Home Port – Seattle, WA



January 9<sup>th</sup> 2007

