

Base Seattle C4IT

Polar Icebreaker Support

USCGC HEALY



Homeland
Security



Today's Topics

- ATO/CCRI Compliance
As announced at AICC last year – implemented this year
- VSAT Hardware End of Life
Options for replacement
- Onboard network fiber replacement project
Existing fiber is aging, limited capability, not up to cyber standard



ATO/CCRI Compliance

- ATO: Authority to Operate

Authorization from the Coast Guard to operate the PSN (Polar Science Network), formerly known as the SDN (Science Data Network)
Currently on a 3-year term

- CCRI: Command Cyber Readiness Inspection

DoD DISA (Defense Information System Agency) standard for cyber security
System must adhere to STIGs (Security Technical Implementation Guides)
Subject to inspection/audit



Expected user impact

- Most user functions will see little to no change
- Email: Web access only, no clients (Outlook, Thunderbird, etc.)
- Healy intranet website (www.healy.polarscience.net) shut down, most functions will be replaced in different locations
- We will no longer host science party Accountability page
- User devices: no Internet access, no exceptions: if an application fails due to licensing, it will remain nonfunctional
- All ship to shore communications and file transfer must be planned in advance (e.g. data, outreach): must use secure protocols such as SFTP
- User email/files will be deleted every year
- Questions?



VSAT Hardware End of Life

- Original install: late 2009
- **Contract ends 28 Sept 2021**
- Current hardware no longer supported, no parts available
- Replacement options: purchase vs. lease
- Purchase cost for replacement hardware approx. \$300k
- Questions?



Local Area Network (LAN)

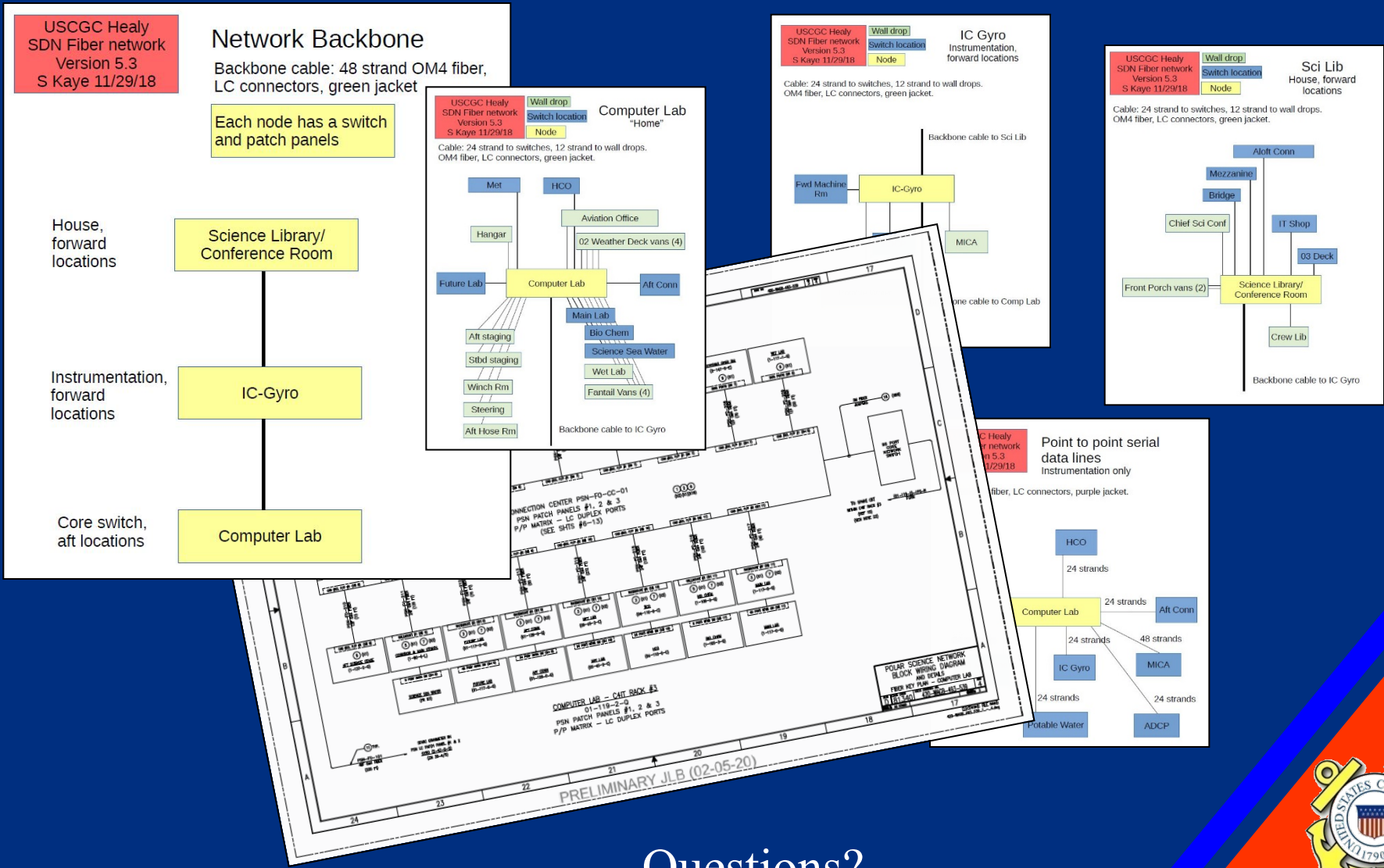
Onboard network fiber plant

- Existing fiber: old, limited capacity, broken runs
- Home runs to Radio require access to restricted space
- Same cabling and patch panels as CGOne: not compliant with current cyber security standard



Local Area Network (LAN)

Replacement plan: Separate CGOne and PSN Fiber



Questions?



Personnel

Rajendra Patel
Branch Lead



Contact: Rajendra.B.Patel@uscg.mil

Full team: C4IT@polarscience.net

Sarah Kaye
Contract Lead
Senior Network
Administrator



Jeff Hardwick
Network Administrator



Dean Lambourn
Network Administrator



OPEN POSITION

Network Administrator

