



**Program Executive Office
Command, Control, Communications,
Computers and Intelligence (PEO C4I)**

PEO C4I Remarks for NPS Acquisition Research Symposium

**14 May 08
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Statement A: *Approved for public release; distribution is unlimited (09 MAY 2008)*

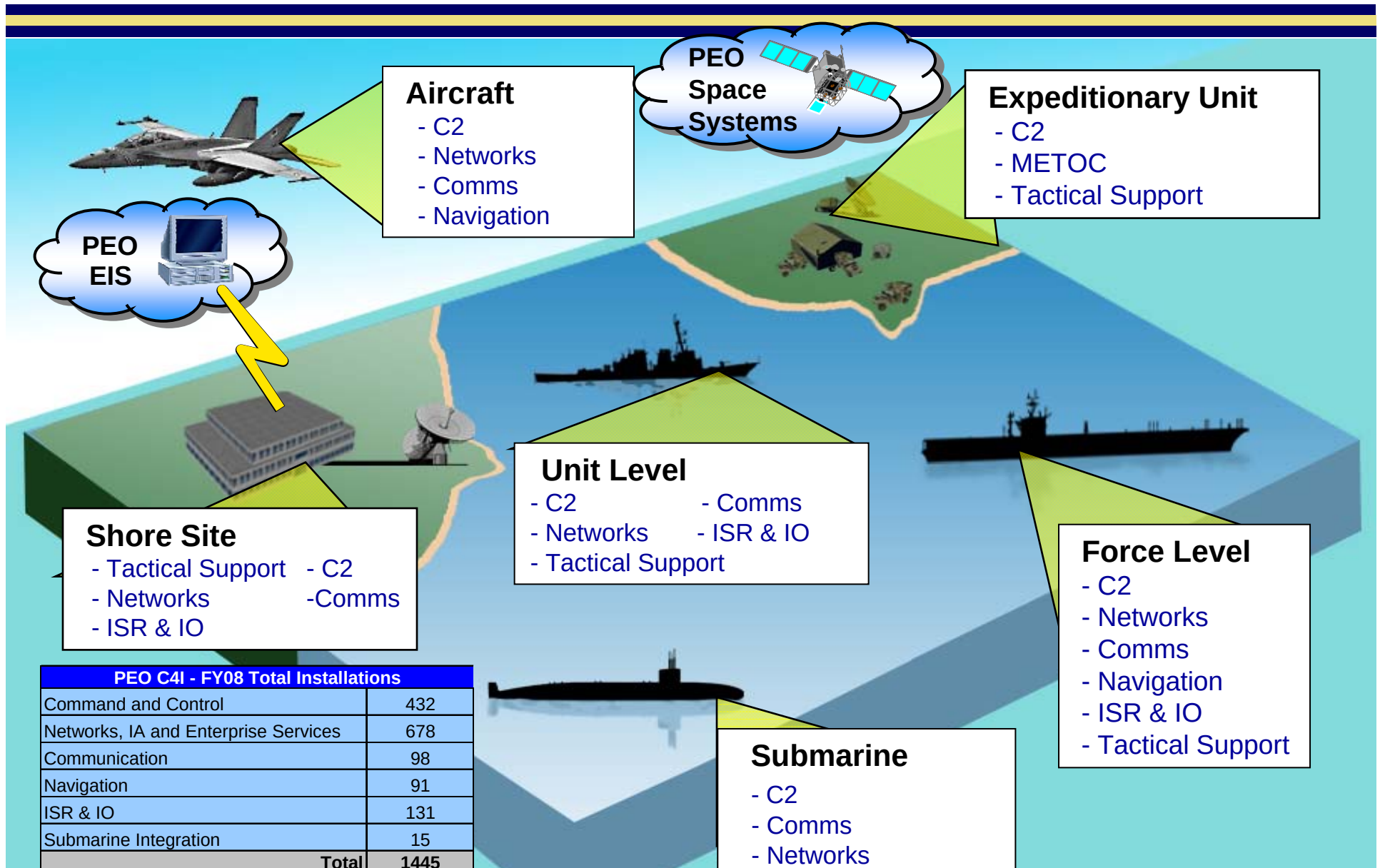
PEO C4I



Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE 14 MAY 2008		2. REPORT TYPE		3. DATES COVERED 00-00-2008 to 00-00-2008	
4. TITLE AND SUBTITLE PEO C4I Remarks for NPS Acquisition Research Symposium				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Program Executive Office ,Command, Control, Communications, Computers and Intelligence (PEO C4I),Washington,DC,20350				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES 5th Annual Acquisition Research Symposium: Creating Synergy for Informed Change, May 14-15, 2008 in Monterey, CA					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 7	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			



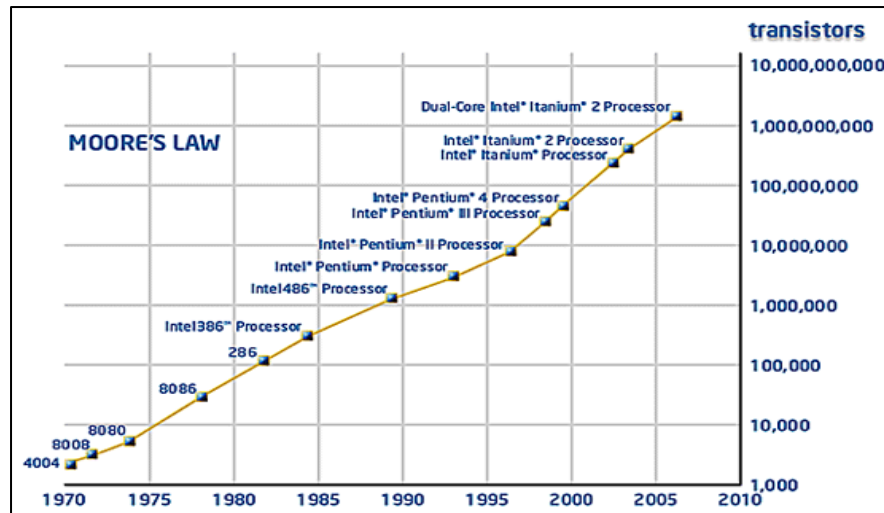
PEO C4I Products Delivered





Technology Battlespace

Increasing Processing Power



Increasing Software Size & Complexity

Windows version	Processor	Memory	Hard disk
Windows 95^[6]	25 MHz	8 MB	~50 MB
Windows 98^[7]	66 MHz	24 MB	140–255 MB
Windows Me^[8]	150 MHz	32 MB	320 MB
Windows 2000 Server^[9]	133 MHz	64 MB	1 GB
Windows XP^[10]	300 MHz	128 MB	1.5 GB
Windows Vista^[11]	1 GHz	1 GB	15 GB

Increasing Software Dependence

Platform	Year	% Functions Controlled by SW
 F-4	1960	8%
 F-15	1975	35%
 F-22	2000	80%



Recent Events

SCIENTIFIC AMERICAN

News - September 18, 2007

China's Cyber Attacks Signal New Battlefield Is Online

Although a cyber war has yet to be declared, there have been plenty of online skirmishes

By Larry Greenemeier



- **Cyber Battlespace**
- **Increasing peer competition**
- **Infrastructure Vulnerabilities**
- **Maritime Domain Awareness**



INTERNATIONAL
Herald Tribune

NATO concerned over cyber attacks on Estonia, possible impact on alliance

The Associated Press
Thursday, May 17, 2007



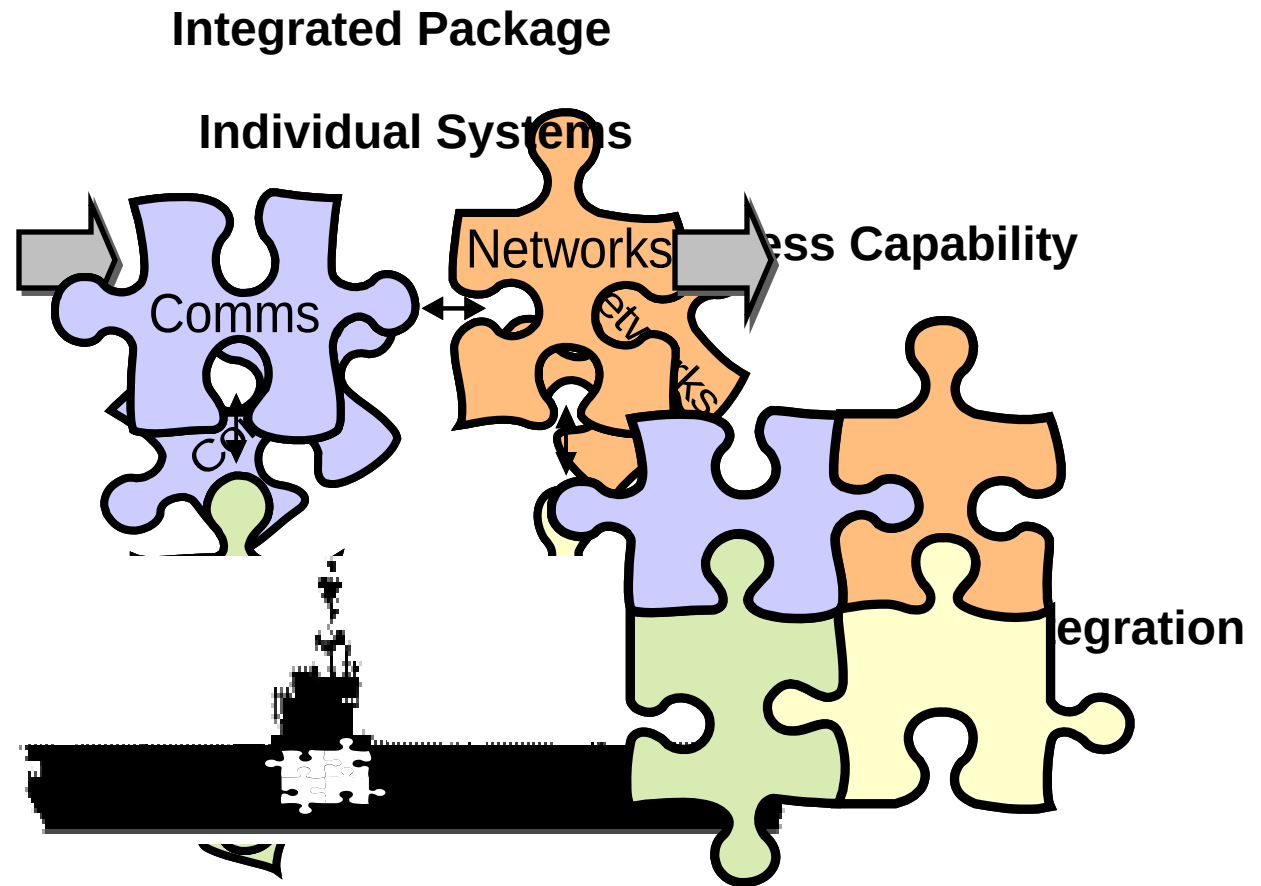
4th Undersea Cable Break: Between Qatar and UAE

Posted: 2008/02/04
From: Mathaba





End-to-End (E2E) Strategy



Requires Enterprise Partnership: Requirements, Acquisition, Resource and Operational Communities



Integration Programs

Deployable Joint Command and Control (DJC2)



Rapid Response Kit



En Route Configuration



Core Configuration
with embedded
Early Entry Configuration

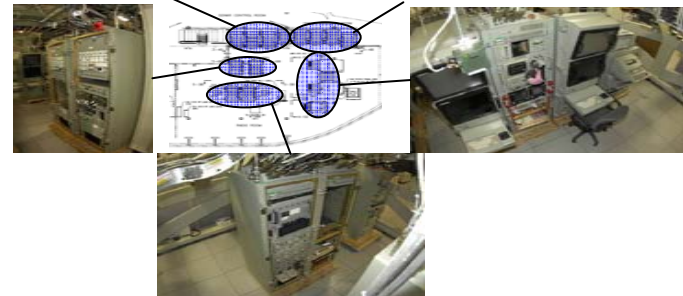


DJC2 at JTF Katrina

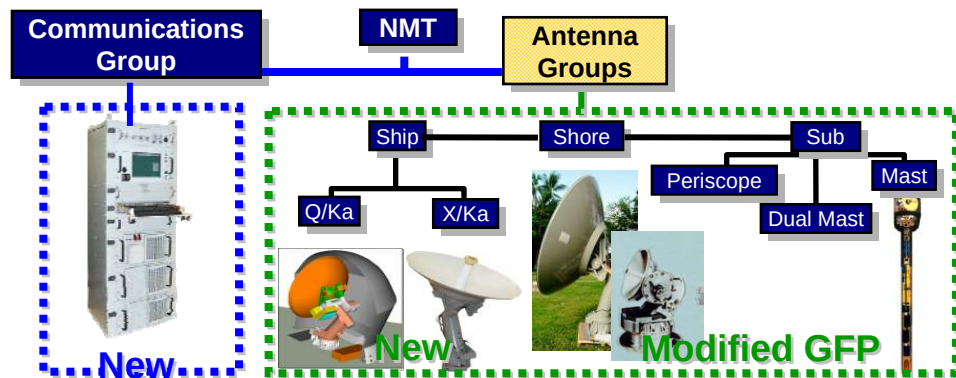


DJC2 Fieldings

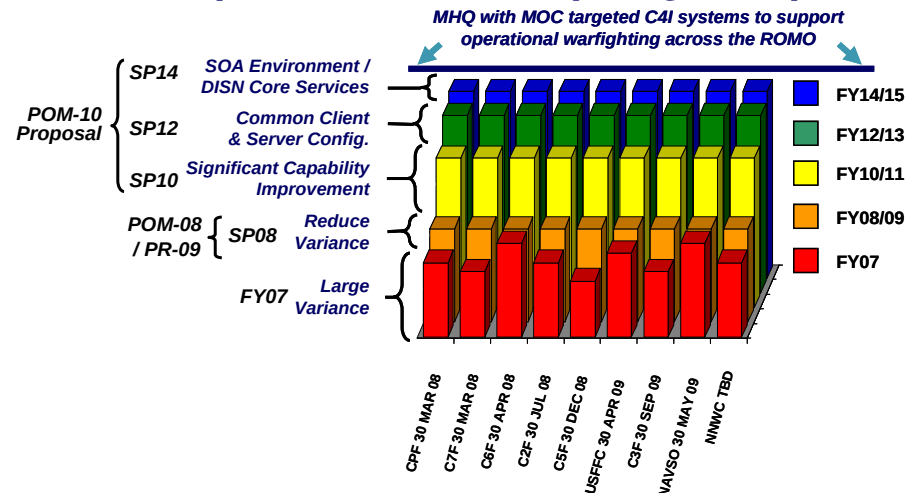
Common Submarine Radio Room (CSRR)



Navy Multi-band Terminal (NMT)



Maritime Headquarters with Maritime Operations Center (MHQ MOC)





Common Radio Room (CRR) Initiative

Mission Need Identified



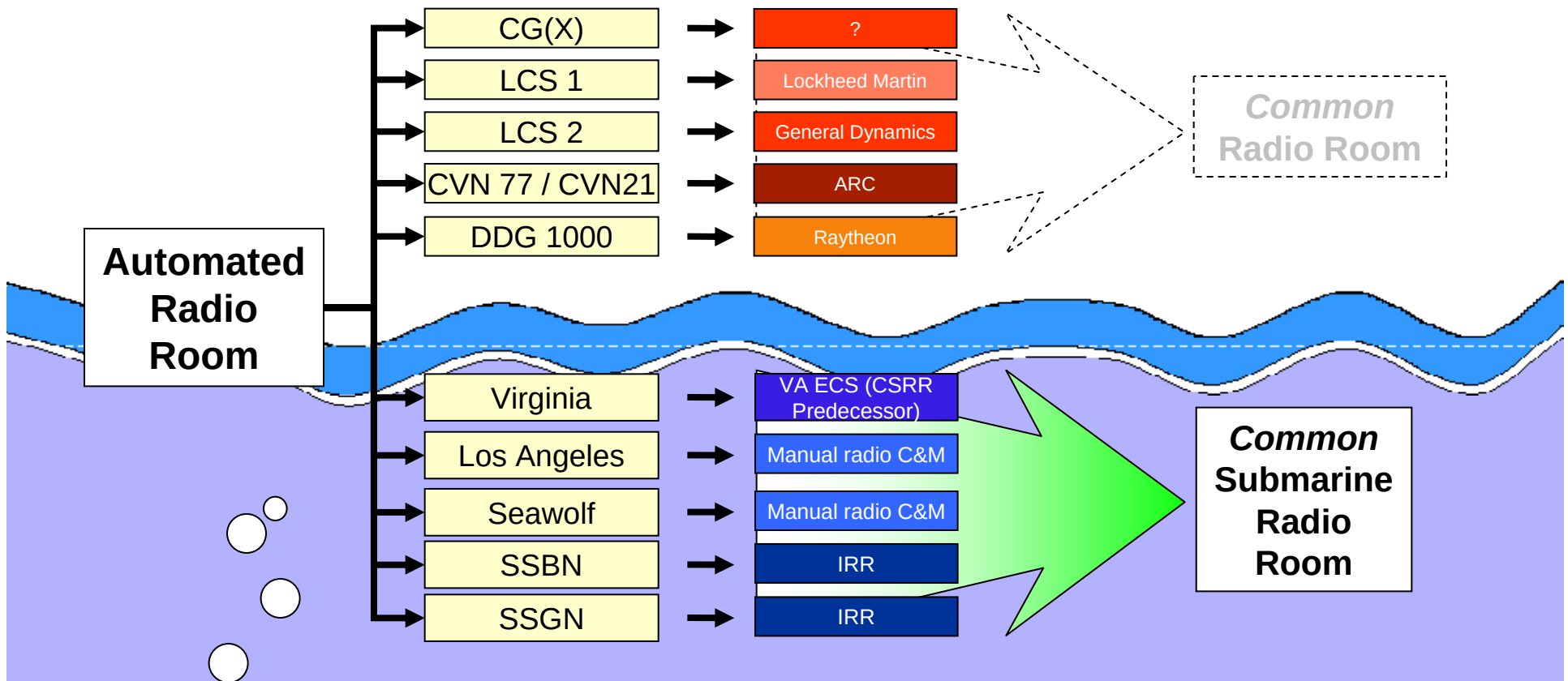
Ship Classes Targeted



Unique SCN Solutions



Today's Requirement for a Sustainable Solution



Currently no automated radio room in the surface C4I Portfolio