



**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)*

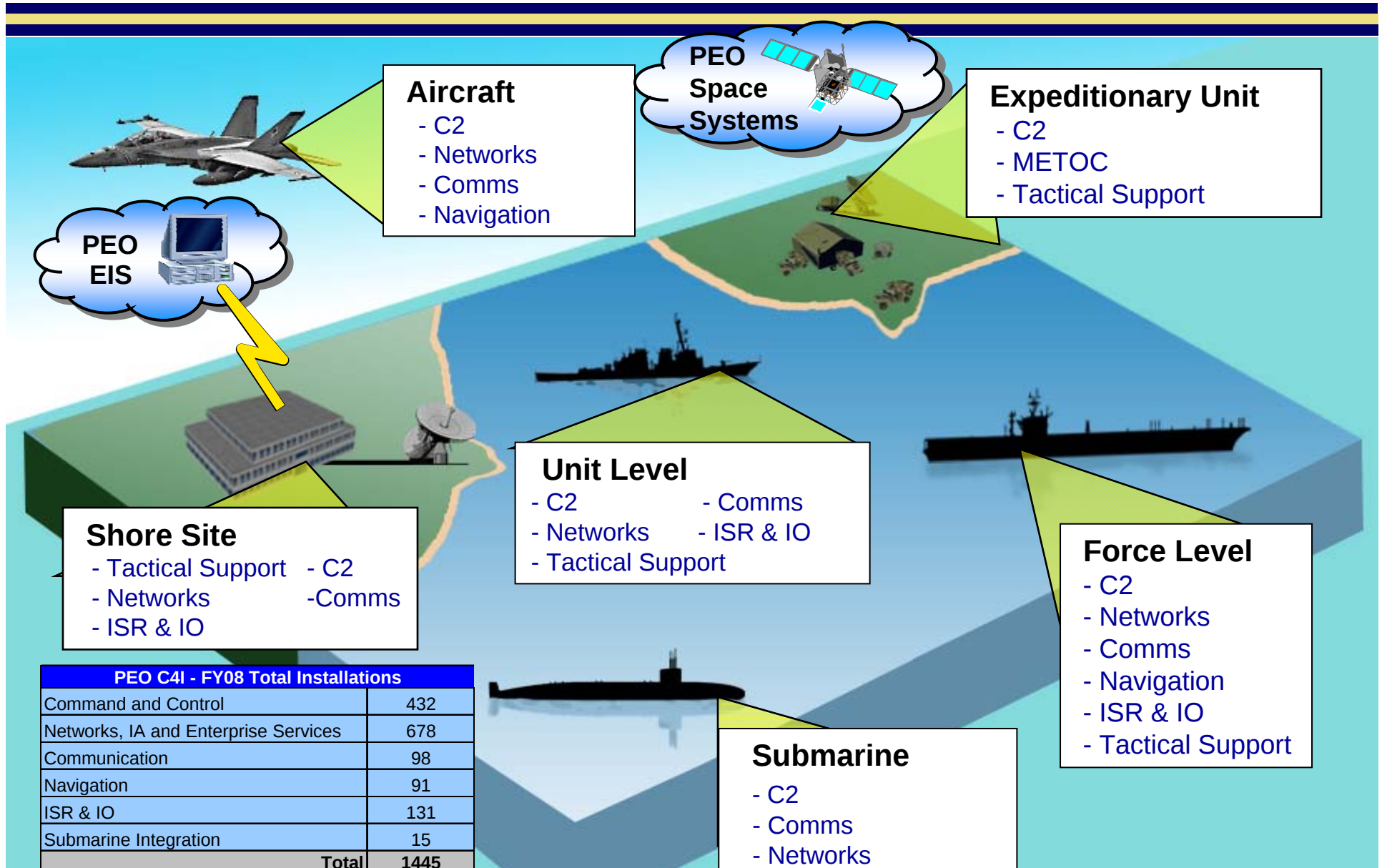
PEO C4I



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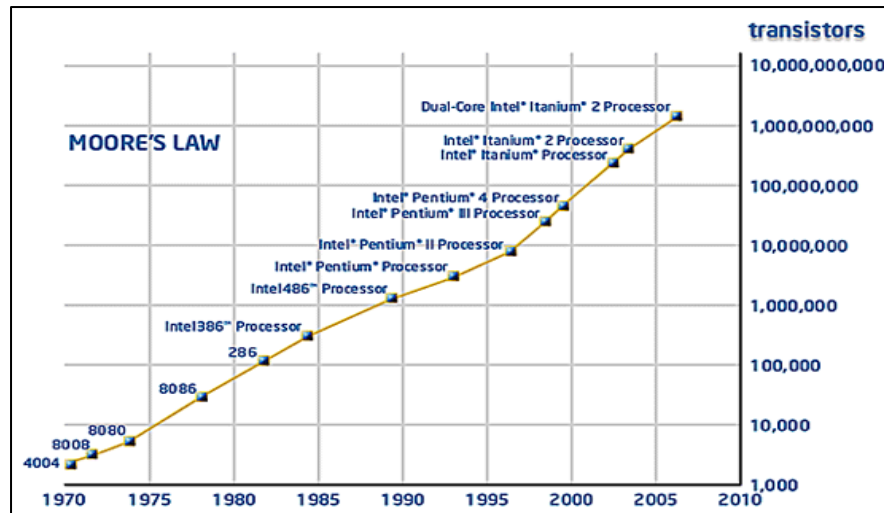
PEO C4I Products Delivered





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



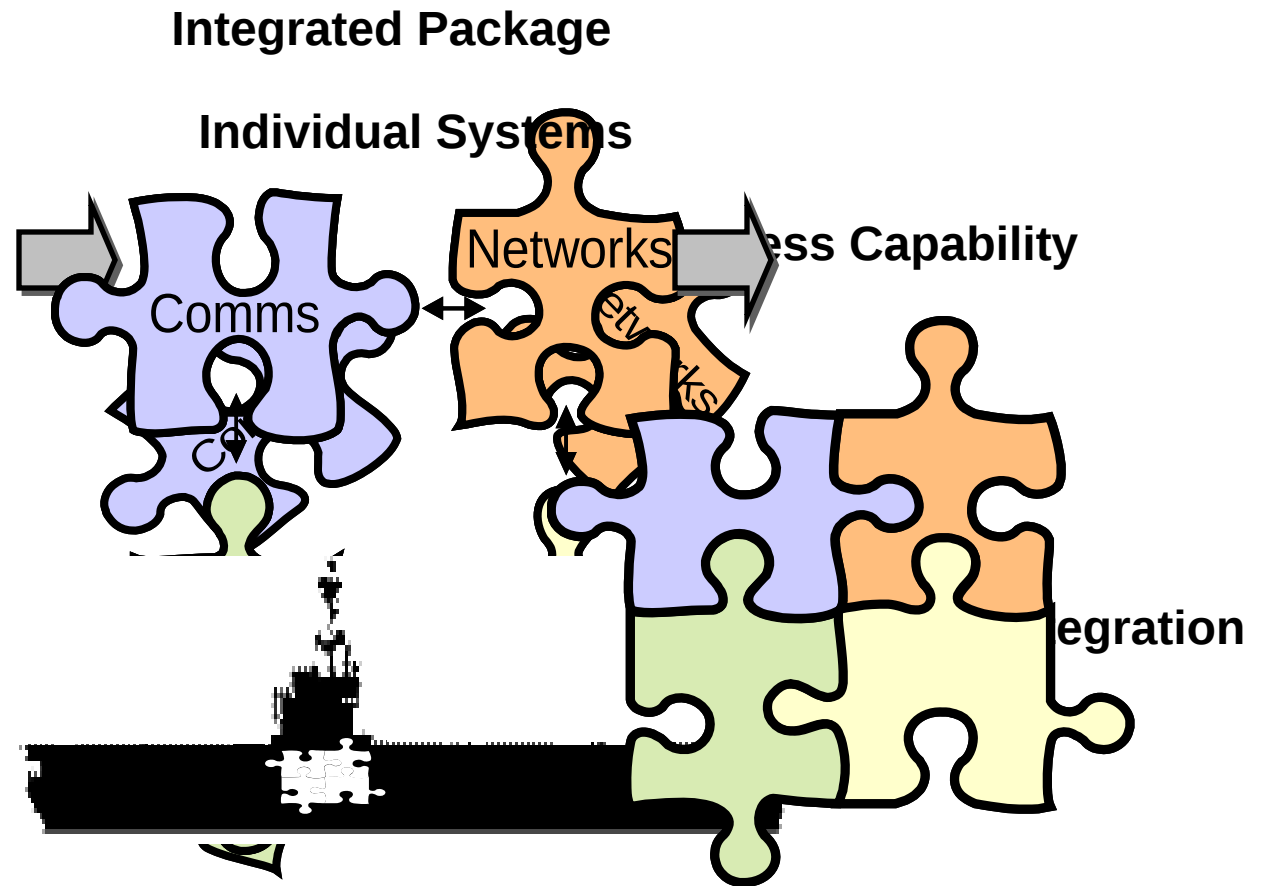
4th Undersea Cable Break: Between Qatar and UAE

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



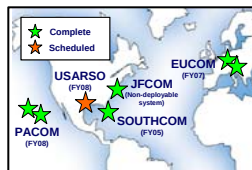
En Route Configuration



Core Configuration
with embedded
Early Entry Configuration

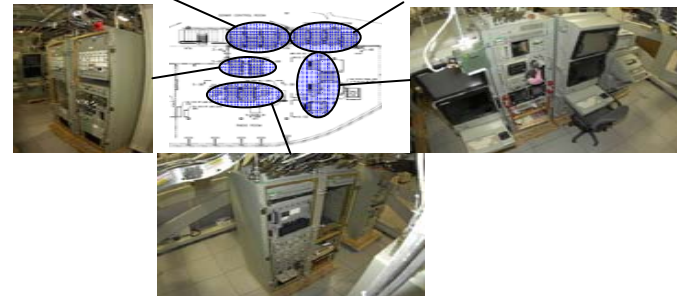


DJC2 at JTF Katrina

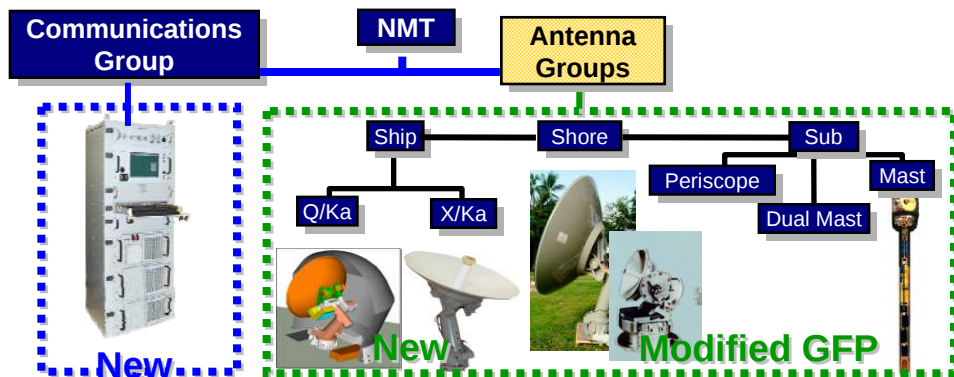


DJC2 Fieldings

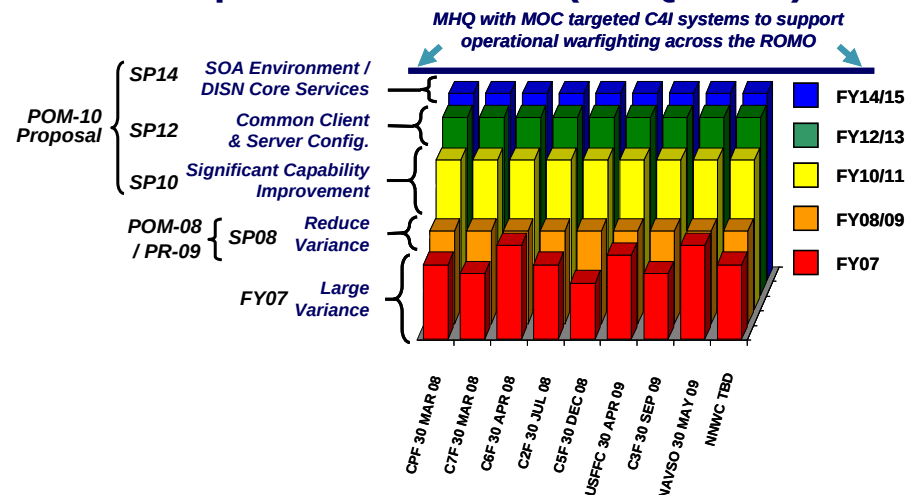
Common Submarine Radio Room (CSRR)



Navy Multi-band Terminal (NMT)



Maritime Headquarters with Maritime Operations Center (MHQ MOC)





Common Radio Room (CRR) Initiative

Mission Need Identified



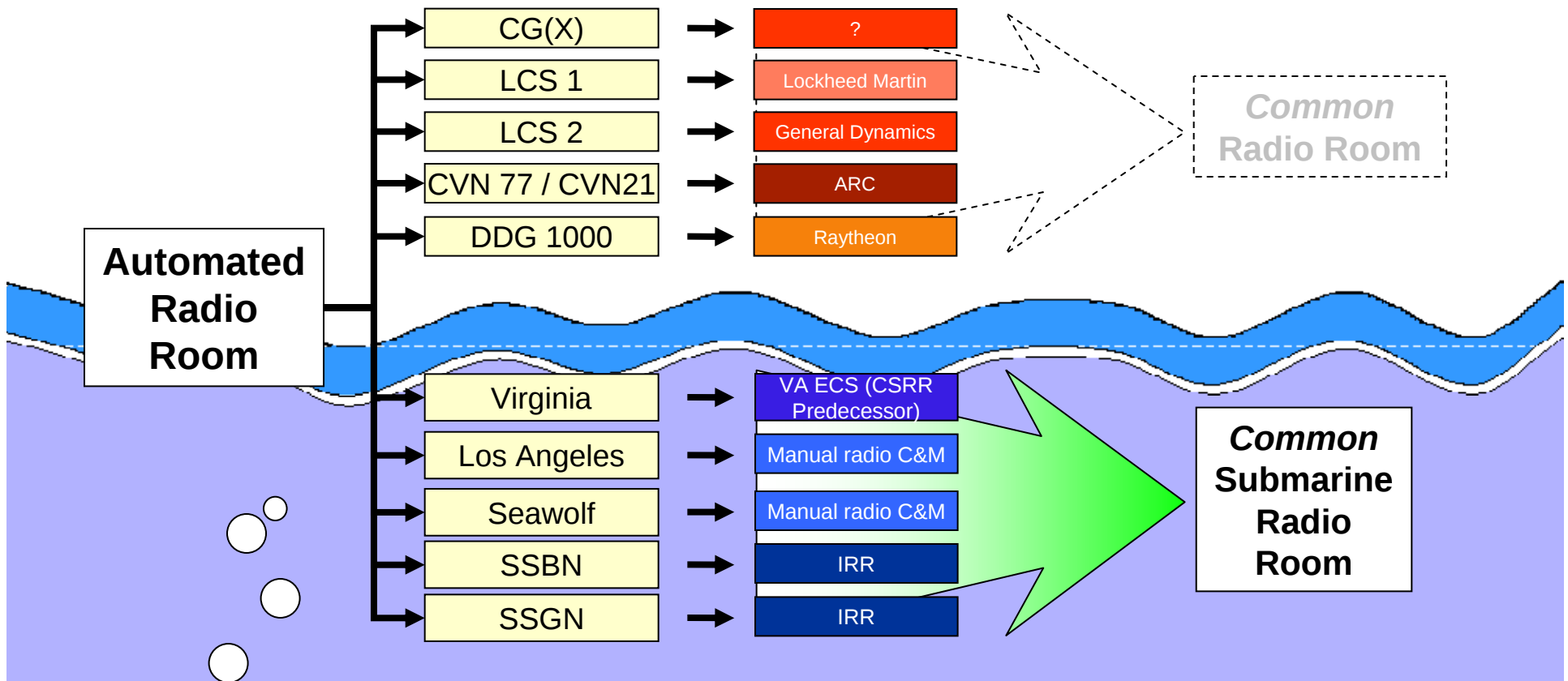
Ship Classes Targeted



Unique SCN Solutions



Today's Requirement for a Sustainable Solution



Currently no automated radio room in the surface C4I Portfolio