Architecturing & Implementing FORCEnet

Warfighter Perspective

COMTHIRDFLT

25 Oct 2003

Warfighter Perspective

- COMTHIRDFLT Missions:
  - Fleet Commander
  - Fleet Combat Readiness
  - Join Task Force Commander
  - CJTF Experimentation
  - Theater Engagement

FORCEnet & COMTHIRDFLT

- COMTHIRDFLT- Two Views
  - J6- C4I ACOS: Captain Mary Anderson
    - Program of Record & Fleet Support
    - Configuration Management & Reliability
    - Needs of Fleet & Operational Requirements
  - J9- I&E ACOS: Captain Ellen Jewett
    - Fleet Innovations and Experimentation
    - Rapid Transition of Robust (COTS) Technology
    - Future Capabilities and Needs of Fleet

Identifying Requirements

Initial Starting Points

- CNA Study of Fleet needs
  - (CCG-1 Document- Classified)
- C2F/C3F Top 10 List
  - Ask the Fleets
- PACFLT Inputs
  - FORCEnet Vision Requirements
- NETWARCOM Focus Areas
  - Lessons Learned from OIF
- FORCEnet OAG
  - Top Fleet Inputs from OIF

Where We Are Now

- POR
  - Upgrades
  - Enhancements
  - IP Community Actions
- Innovations & Experimentation
  - S&T Liaisons: ONR/CTTO, DARPA, JWWG, etc.
  - COTS Technology: Wireless Options
  - Technology Syndicates: KM, Wireless
  - NETWARCOM MOA: SBBL & FORCEnet

Where We Are Going

Events:

- Prepare to Deploy Order: C7F (Mar-Oct 04)
  - C7F Command Ship (BLR Replacement)
  - C7F Exercises
- C3F Events: FY04 Q3/Q4
  - TRIDENT WARRIOR 04 (FORCEnet)
  - SEA VIKING 04
- Other C3F Innovations
  - Secure Wireless Programs (SECNET11)
  - Wireless VoIP Comms (Vocera)
  - RIMPAC 2004 Exercise & Experimentation
  - JFMCC/Maritime Ops Planning Process
  - CORTEX- Collaborative Ops/Response Technology
  - Sea Shield/ Sea Trial events

Future for FORCEnet

- **NETWARCOM & Alliance with Fleet**
  - The Right People
    - Involving the Fleet Stakeholders
  - The Right Questions
    - What CAPABILITIES and EFFECTS to achieve
  - The Right Format
    - Multiple Working Groups and Syndicates
    - POR and Acquisition Buy-In
  - The Right Approach
    - Roll out “Capability Packages”
    - Test in the Fleet
    - Robust enough to be “Leave Behinds”

FORCENET Characteristics

	BANDWIDTH	MANAGEMENT
INTERNAL	• Throughput to Desktop • All IP • Flexible / Adaptable – Wireless Option	• ITSN Manageable •Throttle-able Info Streams –Phones (VOIP), Email, Web, Chat • Automated Security • Automated Metrics • Smart Applications –Replication Technology
EXTERNAL	• High Bandwidth Capacity • Multi-path –Efficiency / Ship to Ship • Multi-tiered –Horizon & Satellite • Globally Accessible	• Controllable by NOC –Load Balancing / Priority Override • Dynamic Bandwidth Allocation – Globally & Intra-Theater • Rapid Response / ITSN Manageable • Automated Metrics

FORCEWIDE

Survivable

Affordable

Installable