

FORCEnet

14 August 2002

Naval – Industry R&D Partnership
Conference

Panel: Transformational
Technologies/Capabilities

FORCEnet Background

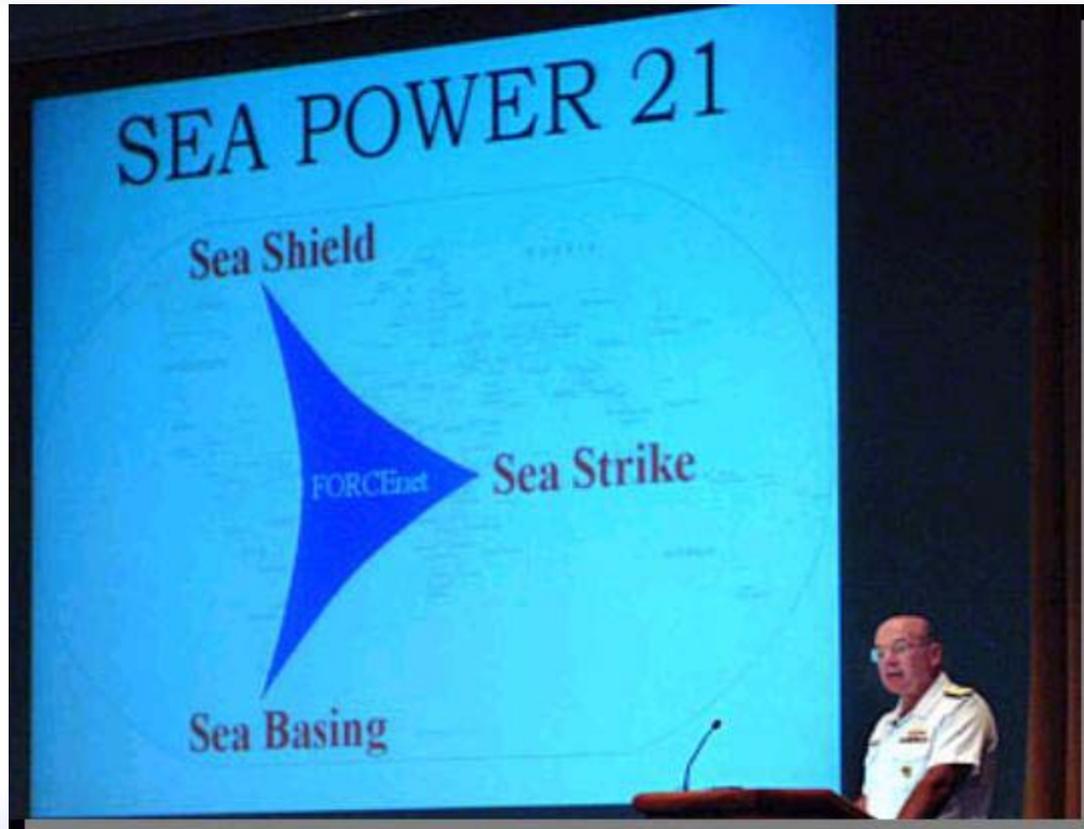
- 27 JUN 00 - CNO, SSG-XIX FORCEnet Brief
- 10 JUL 01 - CNO, SSG-XX FORCEnet Brief
- 21 FEB 02 - CNO, N7 Designation Letter signed
- 13 APR 02 - CNO, FORCEnet Brief (4/13 and 4/15)
- 12 JUN 02 - CNO, Naval War College Current Strategy Forum remarks on Sea Power 21
- 02 JUL 02 - Navy Review Board
- 12 JUL 02 - Requirements Execution Plan (Rev. 1) briefed to N7B, Rev. 2 currently under review
- 15 JUL 02 - SECNAV Transformation Roadmap
- 22 JUL 02 - CNO, SSG-XXI FORCEnet Brief

FORCEnet Definition*

“The operational construct and architectural framework for Naval Warfare in the Information Age which integrates Warriors, sensors, networks, command and control, platforms and weapons into a networked, distributed combat system, scalable across the spectrum of conflict from seabed to space and sea to land.”

*SSG-XXI recommended definition from 22 July 02 CNO Briefing

Why FORCEnet?



FORCEnet . . .

Transforming information into Combat Power



Transforming the 21st Century Navy . . .

Assuring Power and Access . . . From the Sea

Our Challenge

- Can't afford to maintain current force structure
- Can't afford to lose next war
- Must redirect investments to provide the 21st Century Warrior with integrated, interoperable combat and combat support systems

FORCEnet . . .

Transforming information into Combat Power

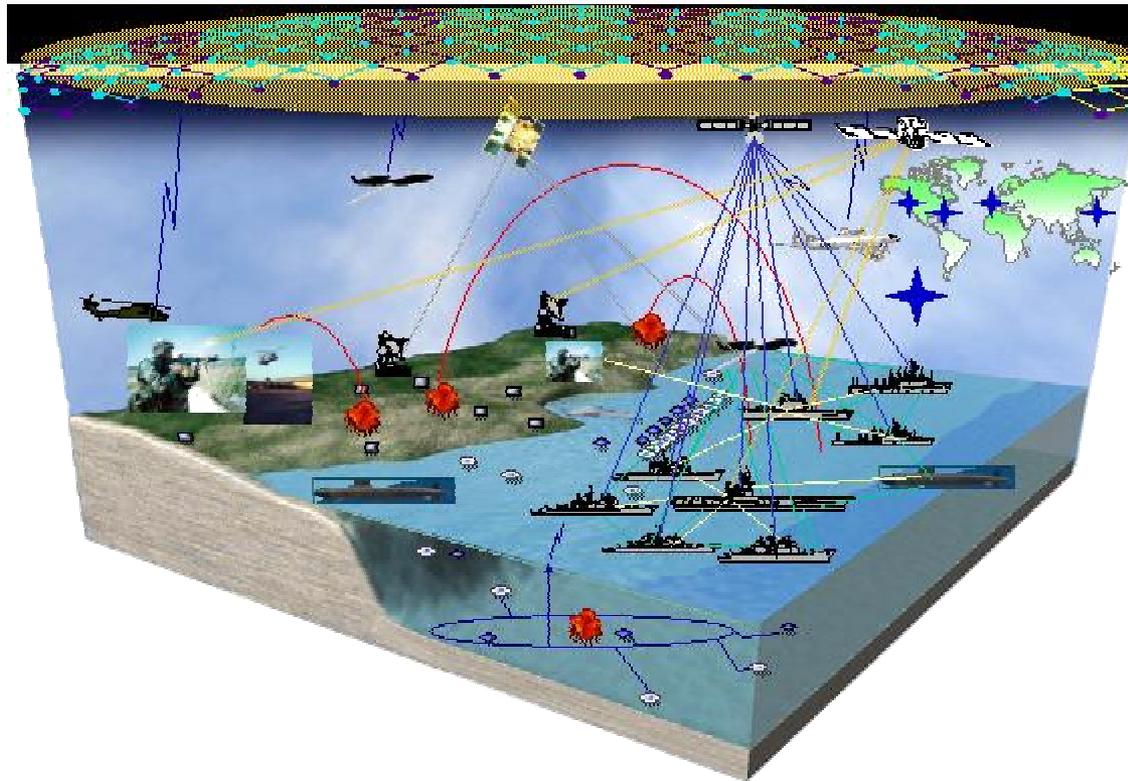
FORCEnet

Network Centric Warfare is the theory.

Network Centric Operations is the concept.

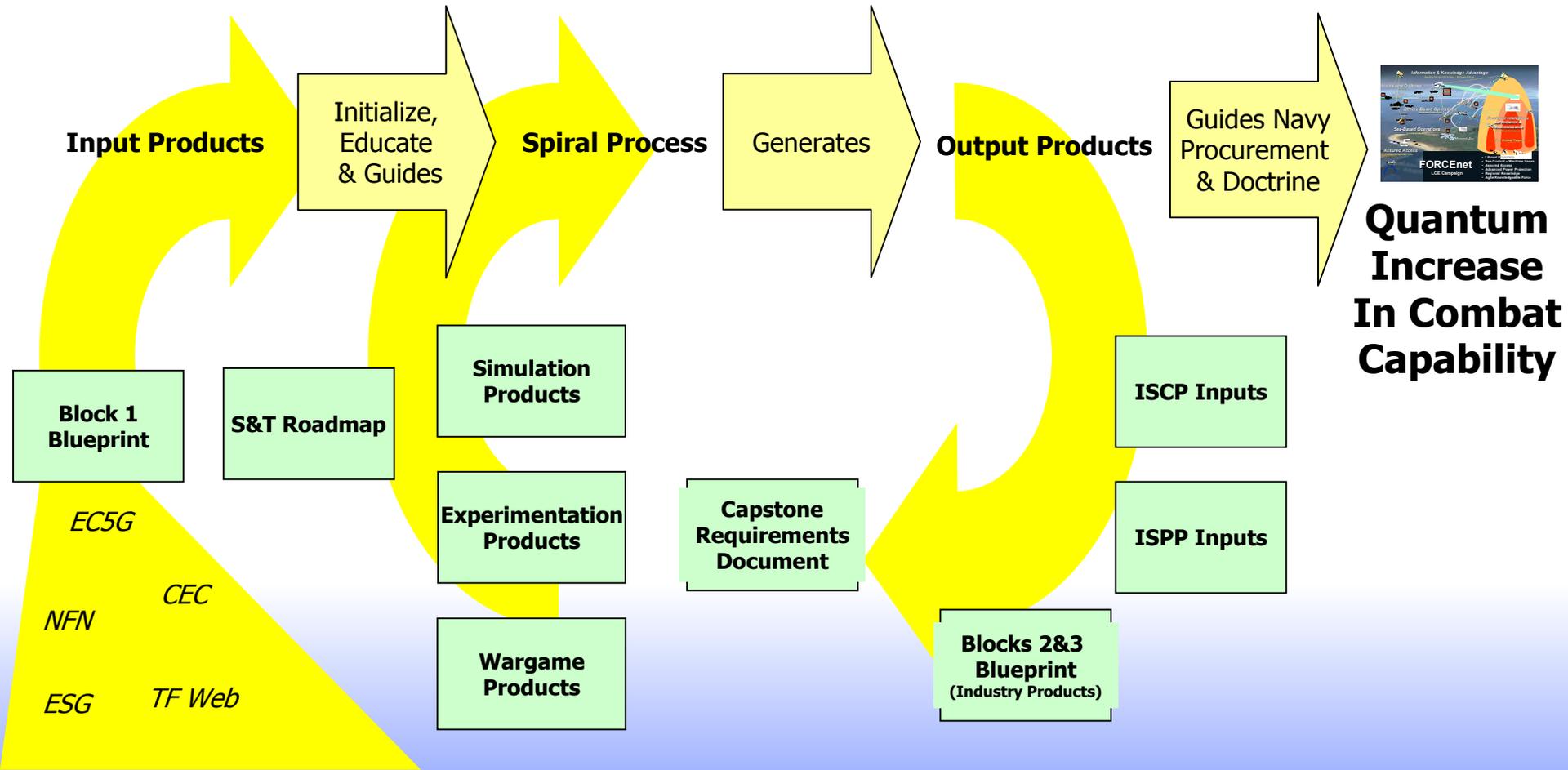
FORCEnet is the process of making the theory and concept a reality.

FORCEnet is the integration of sensors, networks, weapons, platforms, information and people to provide agile, lethal, efficient combat power.



FORCEnet is the Systematic Acceleration of NCW to Reality

FORCEnet Product Relationships



Information & Knowledge Advantage

Seamless Information Transport – Battlespace Nodes

Homeland Defense

CONUS

Intelligence
Production Center
High Headquarters

CVBG/JFACC

FLAG SHIP
CJTF

AR C/MEU
JFMCC

Sea-Based Operations

10-Stride Sustainment

Assured Access

Naval FDF-Maritime Traffic

Mine Countermeasures

Effects-Based Operations

Distributed Precise Fires

Close Air Support

Threat
Picture

Persistent Intelligence Surveillance & Reconnaissance

Tiered Sensor Architecture

Time Critical Targets

FORCEnet

LOE Campaign

- Littoral Presence
- Sea Control – Maritime Lanes
- Assured Access
- Advanced Power Projection
- Regional Knowledge
- Agile Knowledgeable Force

FORCEnet Human Element

- Provide the Fleet with highly skilled, trained, and continuously educated teams
- Task Force Excel and Sea Warrior
- Recruit, train, educate and retain skilled Sailors and Officers
- Create challenging learning opportunities with flexible incentive packages
- Support/meet both the Fleet and individual needs

STRONG CONTRIBUTOR TO HOLISTIC NAVY HR IMPROVEMENTS

Major Activities

- Enhanced Naval and Joint Force Experiments
- Industry to augment Naval, Joint experimentation
- Leverage Academic Institutions' initiatives
- Revised Mission Capability platform and equipment roadmaps driven by quantitative and qualitative analysis
- Modeling and simulation and war gaming coupled with enhanced integrated ground test systems
- Utilize Naval Warfare Systems Forum (NWSF) as a single POC for Navy Warfare Center's Laboratories (Foundation for FORCEnet Development Center)

SUMMARY

- FORCEnet is the foundation for Sea Power 21
- FORCEnet operations require a highly networked force supported by advances in information age capabilities
- 50% of FORCEnet will be the Human element - -
21st Century Warrior
- FORCEnet is not a box
 - Will serve as a catalyst for enabling Sea Power 21
- FORCEnet has no end state
 - Will evolve as technologies allow
- Implementing FORCEnet requires new organizational approaches and implementation strategies

FORCEnet Points of Contact

- OPNAV Leadership
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- FORCEnet Team Leadership
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