

# Transforming Joint Operations

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NDIA Presentation

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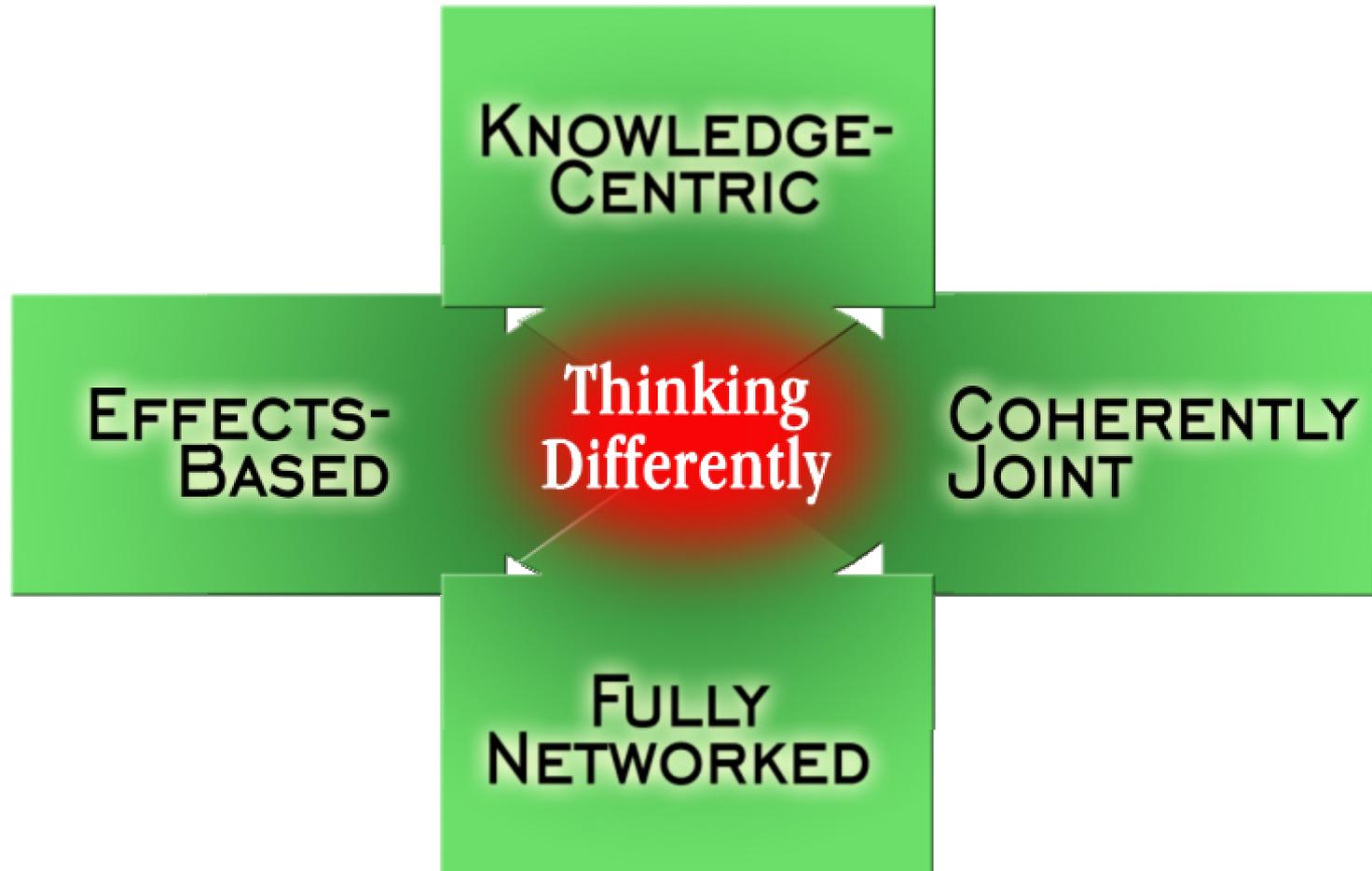




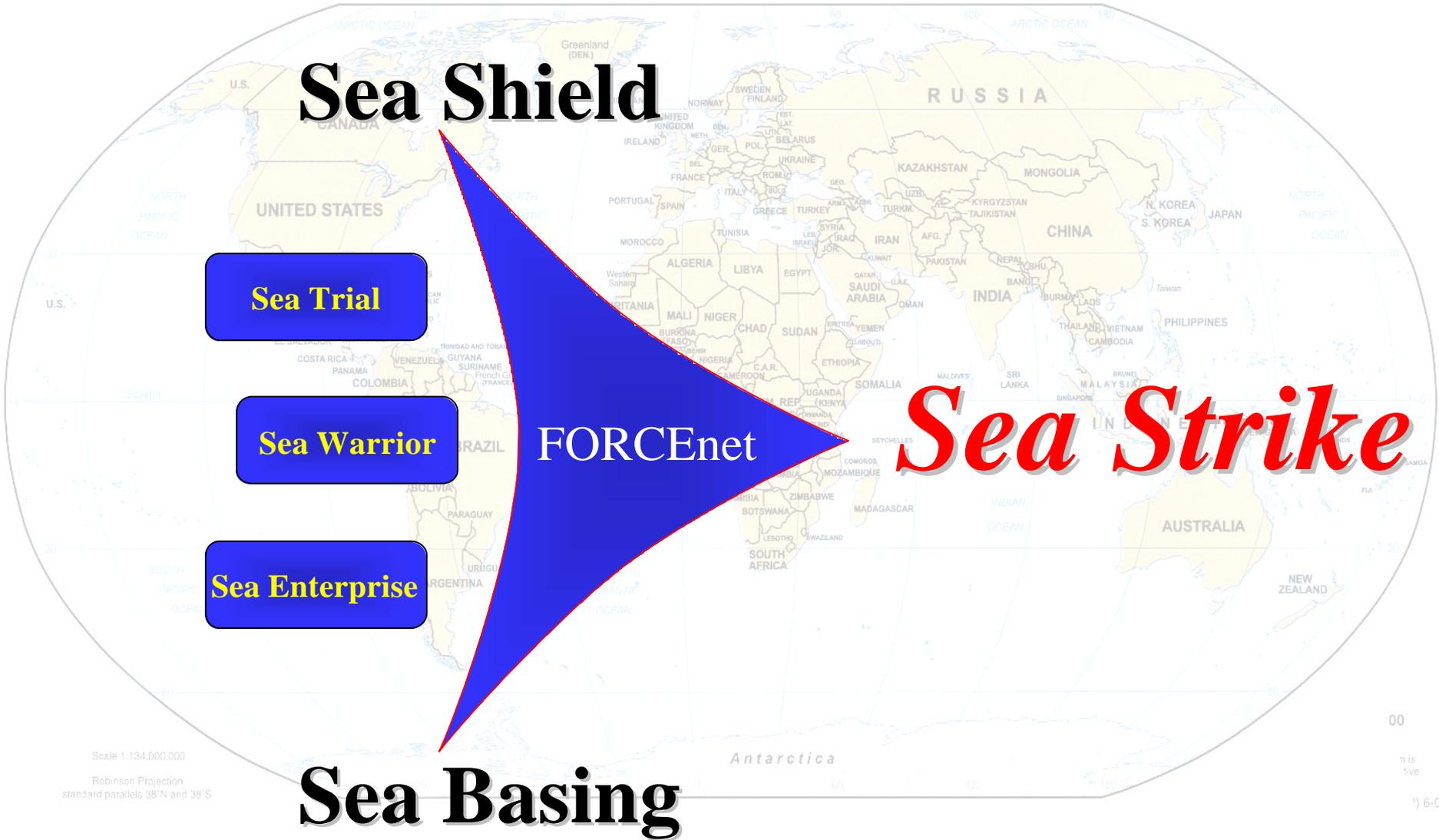
# Agenda

- DoD Transformation Characteristics
- Navy's Revolutionary Metamorphosis through Sea Power 21
  - Expeditionary Strike Group
- The Joint Battle Space at the end of the Decade: Millennium Challenge 02
  - Joint Fires Initiative
- Areas of Opportunity for Industry

# *Characteristics of Future Joint Operations*



# SEA POWER 21



**Sea Shield**

**Sea Trial**

**Sea Warrior**

**Sea Enterprise**

**FORCEnet**

***Sea Strike***

**Sea Basing**

Scale 1:134,000,000  
Robinson Projection  
standard parallels 38°N and 38°S

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# LANT ESG COMPOSITION



USS ENTERPRISE CVN 65)



USS GETTYSBURG (CG 64)



USS MCFAUL (DDG 74)

USS COLE (DDG 67)

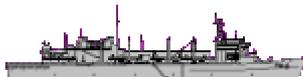
USS STOUT (DDG 55)



USS THORN (DD 988 )



USS HARTFORD  
USS SPRINGFIELD

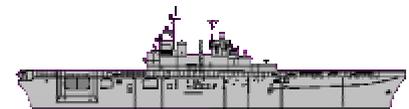


USNS SUPPLY (TAOE 6)

**SAIPAN ESG  
CPR6/22 MEU(SOC)**

**ENT CVBG  
CCDG12/CDS18/CVW 1**

**4 SH-60B RAILS IN EACH**



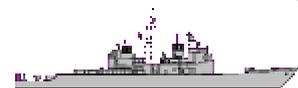
USS SAIPAN (LHA 2 )



USS PONCE (LPD 15)



USS GUNSTON HALL (LSD 44)



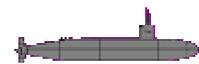
USS PHIL SEA (CG 58)



USS GONZALEZ (DDG 66)



USS NICHOLAS (FFG 47)



USS MIAMI (SSN 755)

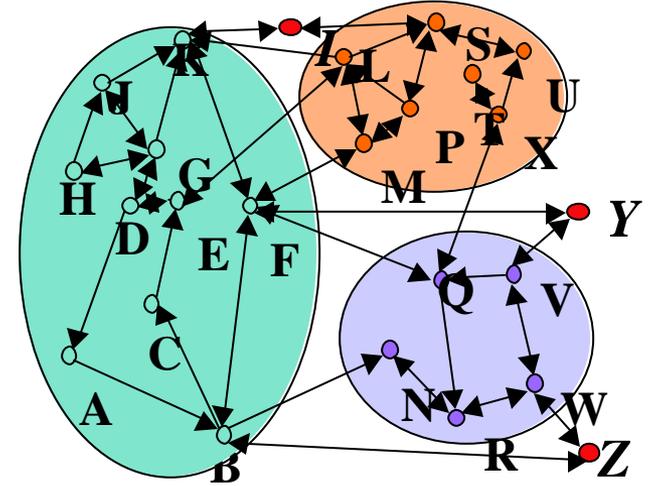
# Millennium Challenge-02 Hypothesis

**IF...** *A Standing JFHQ*



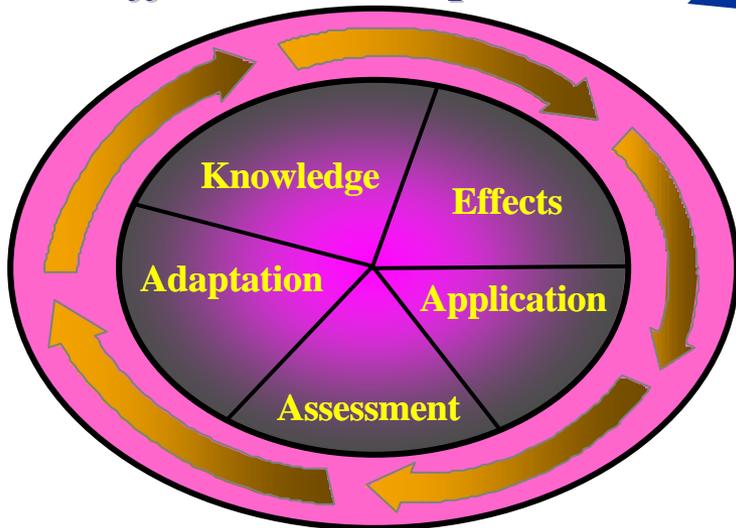
Informed by

*Operational Net Assessment*



Employs

*Effects Based Operations*

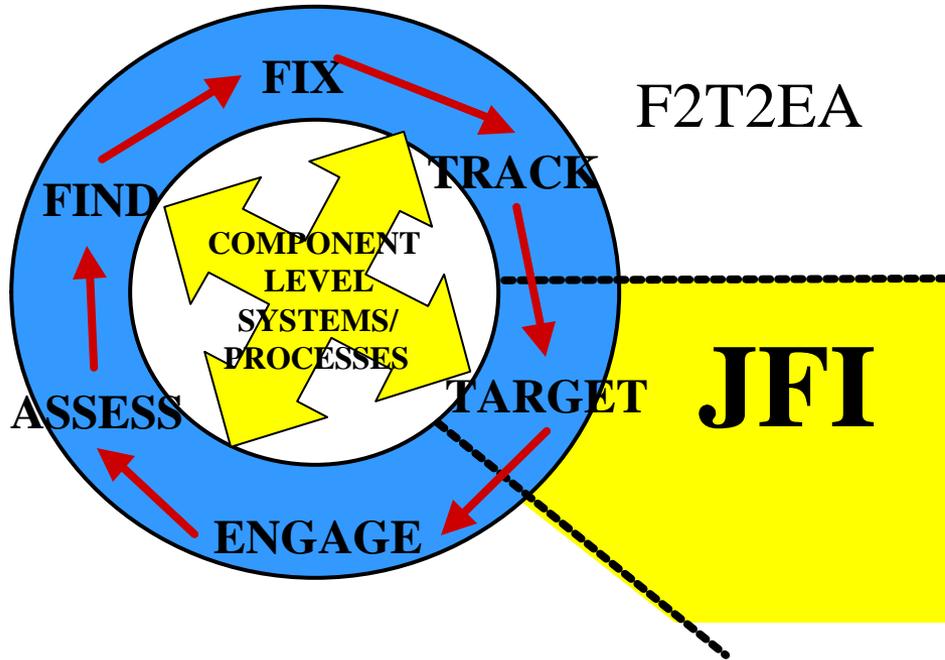


**THEN...**



*Today's Joint Force can have the decision superiority necessary to enable rapid and decisive operations*

# Joint Fires Initiative (JFI)



Improved:

- Battle Space Awareness
- Cross-Component Coordination
- Hand-off of Time Sensitive Targets

Distributed Integrated Fires:  
JFLCC, JFACC, JSOTF, JFMCC, JTF JFE.

Mission Coordination: Time Sensitive Targets														
Nominator	Track	Target	Description	Pri	NLT	PSD	MCC	ACC	LCC	SOF	JTF	MSN	CM	CA
JFACC	E10022	AC0003	TRUCK CONVOY-CHEMU	1B	34:15			EXE		FRD				



# Opportunities for Industry



- **IMPROVE THE COLLABORATIVE ENVIRONMENT**
  - International Standards
  - Interoperable Tools
  - Affordable Bandwidth
- **IMPROVE THE MODELING and SIMULATION FEDERATION**
  - Fidelity
  - Consistency
- **IMPROVE TST TOOL KIT**
  - COLLATERAL DAMAGE ESTIMATOR
  - AIRSPACE DECONFLICTION
  - INTEL PREP OF BATTLEFIELD