



United States
Joint Forces Command

"Leading the way in Transformation"



Joint Deployment, Employment, & Sustainment (JDES) as an Adaptive System

Presentation to the OSD

Adaptive Enterprise Seminar

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Rosslyn, VA

**Colonel Dave Saffold
JDES Concept Team Lead
Director, Joint Logistics Transformation Center
JFCOM J-9
757 836 8342**

Outline

- DELIVERING INNOVATION**
- CHAIRMAN AND COMBATANT COMMANDER GUIDANCE**
- THE PROBLEM**
- SYNOPSIS OF THE CENTRAL IDEA (JDES)**
- CONCEPT HYPOTHESIS AND CONCEPT OVERVIEW**
- FUTURE WORK RELATED TO THE JDES CONCEPT**
 - Joint Sea Basing Example**
- JDES CONCEPT DEVELOPMENT & EXPERIMENTATION PLAN**

Why A Joint Deployment, Employment Sustainment Concept?

Transformation Planning Guidance:

Rapidly **deploy, employ, sustain, and redeploy** in austere regions and anti-access and area denial environments;

Joint Operating Concepts: Major Combat Operations, Stability Operations

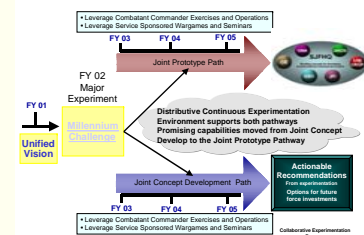


Emerging Joint Lessons Learned - Again: “Operation Enduring Freedom”, “Operation Iraqi Freedom”

TRANSCOM, DLA, JFCOM JLL Team, Services

Joint Experimentation: Mission Area Analysis Places **JDES as a command priority** + Millennium Challenge 02, Unified Quest 03, Pinnacle Impact 03, Unified Course 03

Joint Concept Development & Experimentation Strategy



Chairman JCS Memorandum To Commander US JFCOM, 23 Apr 03; “Deployment and Mobilization Process Reforms”
“**Develop a future deployment process** concept that evaluates the whole process starting from a “blank piece of paper”.”

Joint Concept Development Path Experimental Focus

- Combatant Commanders
- Joint Staff
- Services

Warfighter-Centric!

Achieving Decision Superiority

1. **Achieving info superiority (anticipatory understanding)**
2. Decision making in a Collaborative Information Environment
3. **Coalition and interagency info sharing**
4. Global integration
5. **Joint ISR**

Items in **RED** have priority

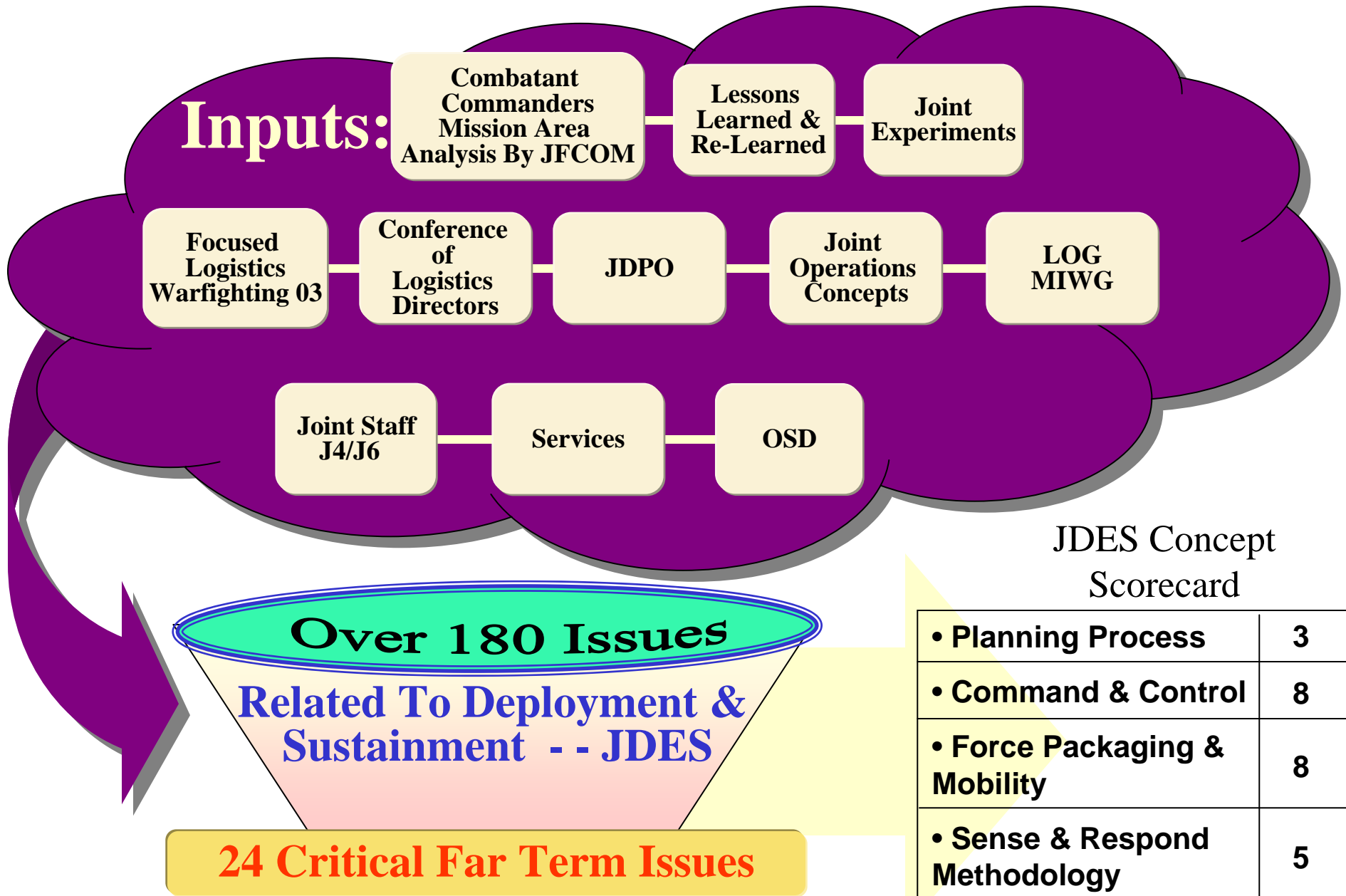
Creating Coherent Effects

1. Info operations and info assurance
2. **Joint maneuver and strike:**
 - a. **Global**
 - b. **Operational**
 - c. **Tactical**
3. **Interagency ops**
4. **Multinational ops**
5. Precise effects
6. **Urban operations**
7. Deny sanctuary
8. Transition Ops

Conducting and Supporting Distributed Operations

1. **Force projection: Deployment, Employment and Sustainability**
2. Force protection and base protection
3. **Counter anti-access and area-denial (includes Forcible Entry Ops)**
4. Low density high demand assets
5. Proper decentralization

Joint Mission Area Analysis for JDES...



The Problem JDES Is Responding To

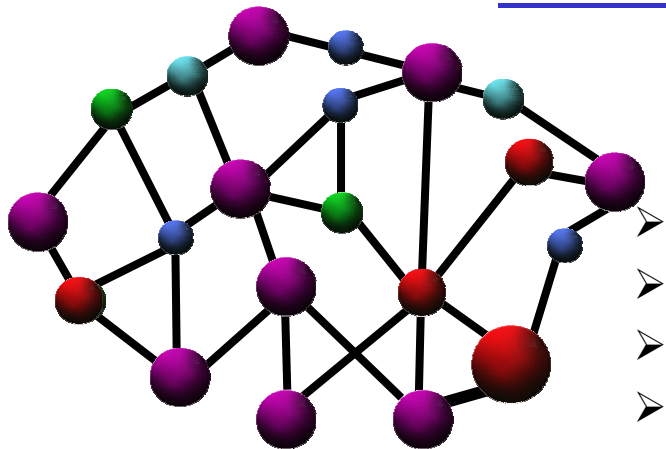
Deployment, employment and sustainment processes and systems are **neither responsive nor dynamic enough to respond** to how we will “conduct activities in support of multiple simultaneous, distributed, decentralized battles and campaigns.” ¹

Joint Force **Commanders have limited options** to plan and execute the deployment, employment and sustainment of joint, coalition, and interagency capabilities in a globally distributed, non-contiguous environment.

¹ [Joint Operations Concepts](#) 3 Oct 2003, 3A7

JOpsC Common Core Capabilities ¹

1. Achieve common understanding of all dimensions of the battlespace throughout the joint force.
2. Make joint decisions and take action throughout the joint force *faster than the opponent*.
3. Adapt in scope, scale, and method as the situation requires.
4. Rapidly deploy selected portions of the joint force who can immediately transition to execution, even in the absence of developed infrastructure.
5. Create and sustain continuous pressure throughout the battlespace for as little or as long as it take to accomplish strategic or operational aims.
6. Disintegrate, disorient, dislocate, or destroy any opponent with a combination of lethal and non-lethal means.
7. Conduct deployment and sustainment activities in support of multiple simultaneous, distributed, decentralized battles and campaigns.
8. Do all of the above in an inter-agency and multi-national context.



¹ Joint Operations Concepts 3 Oct 2003

JOpsC Attributes:

- Fully Integrated
- Expeditionary
- Networked
- Decentralized
- Adaptable
- Decision Superiority
- Lethal (or Effective)

JDES Concept Overview

- More than a logistics concept. JDES responds to the challenges and capabilities within the Joint Operations Concepts
- JDES focuses at the operational levelTakes into account the blurring between strategic, operational and tactical levels of war.....
- Is based on a “Sense and Respond” methodology. Multiple means to combine and recombine capabilities to meet requirements. Stresses initiative at all levels.
- Merges planning, execution, assessment and adaptation of DES functions / activities within a single construct
- Postulates a change to processes, procedures and relationships between supported and supporting organizations
- Supports expanding the “Directive Authority Over Logistics”

Synopsis Of The Central Idea (JDES)

JDES is the **integration** of deployment, employment and sustainment activities to enable multiple, simultaneous, distributed operations, thereby fostering a dramatic **improvement in capabilities** made available to combatant commanders.

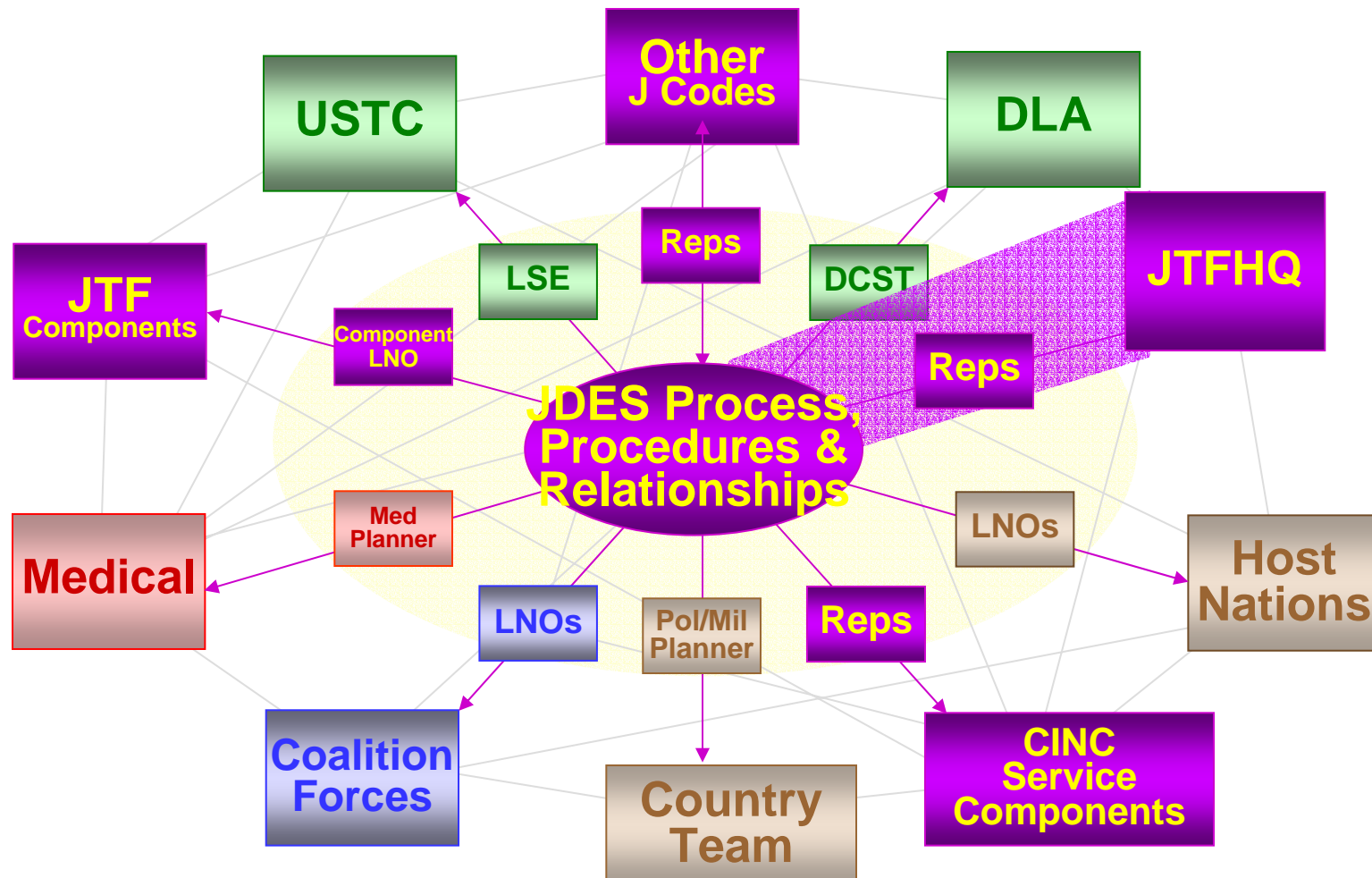
HOW? - Develop a Predictive, Adaptive and Responsive Planning and Execution Process/System AND enable with an expanded “lift” capability

- **A collaborative Planning and Execution Process**
- **Develop decision support tools and common “pictures” to aid commands to plan, execute, assess and adapt**
- **Improve our understanding of capabilities.....globally**
- **Strengthen relationships between “Supported” and “Supporting” commands, multinational, coalition and interagency partners to develop a better understanding of capabilities.**
- **Change processes and behavior as a result of “strengthened” and “informed” relationships**
- **Facilitate initiative at all levels as a result - - Sense and Respond**

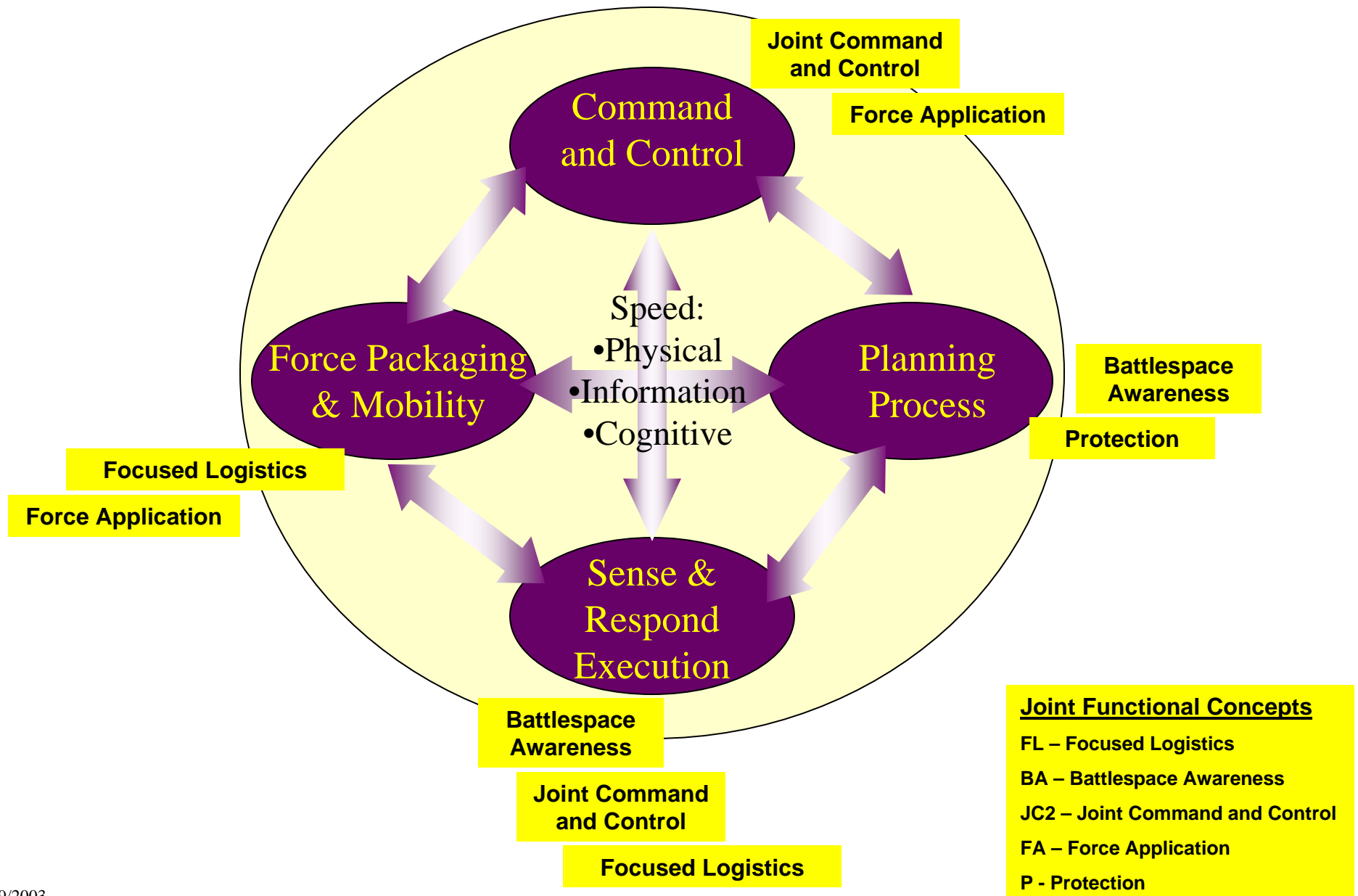
Planning Process, Command and Control, Force Packing & Mobility
Options, Sense & Respond Execution

JDES Is About Process, Procedures And Relationships

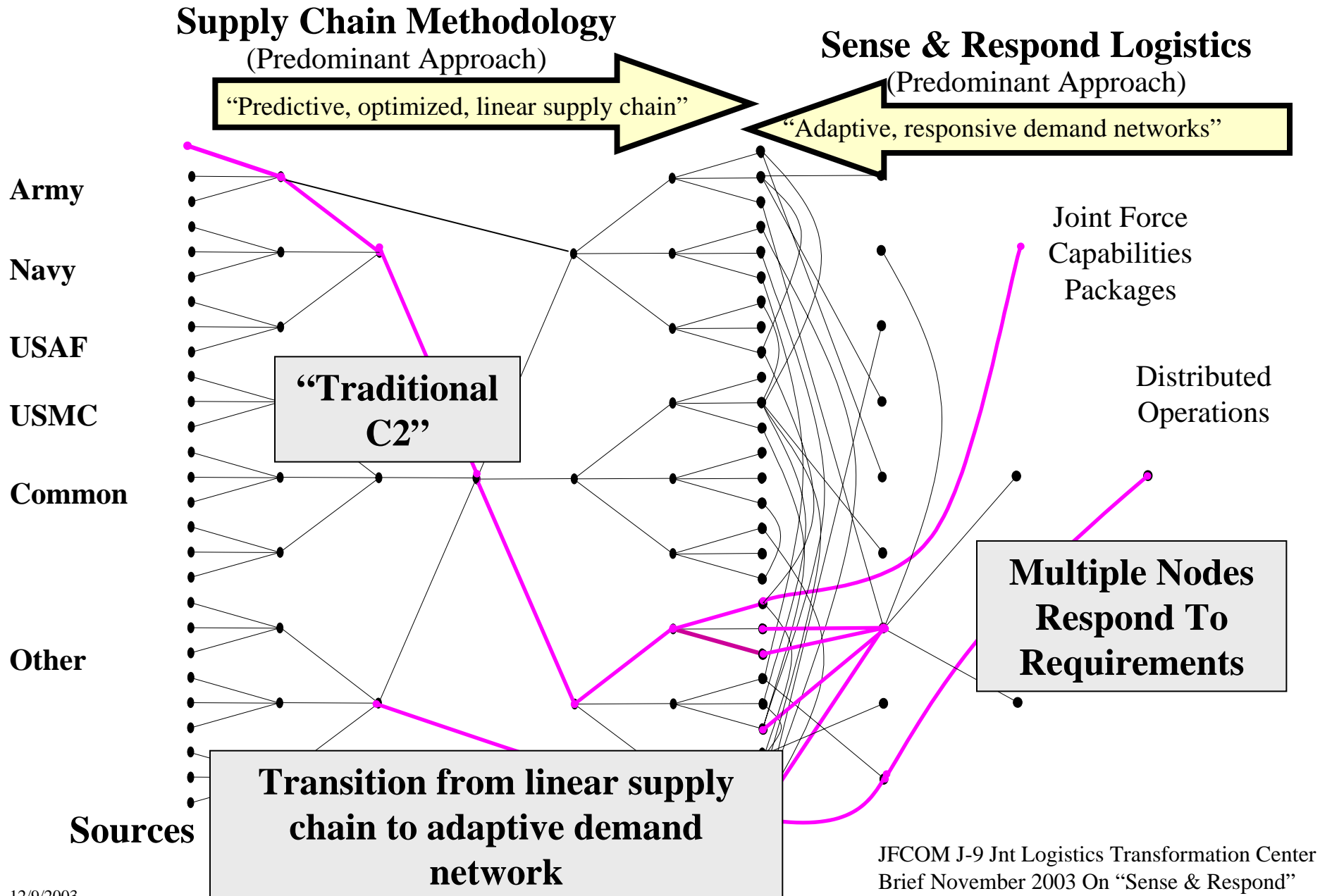
- Millennium Challenge 02 Finding: Collaborative Information Environment can quickly bring the intellectual talent to weigh in on the decision making process resulting in a faster, “Higher Resolution” decision



JDES Has “Stock” In The Joint Functional Concepts



JDES Uses A Sense & Respond Methodology



JDES Hypothesis

If:

- **Planning and execution processes** are transformed to be responsive in a **collaborative environment**
- Our **understanding of our own capabilities** is dramatically improved
- Our **understanding of our coalition partners' capabilities** is dramatically improved
- The **horizontal and vertical seams** in the way we **deploy, employ and sustain** joint operations are **reduced or eliminated**
- The **agility to move and distribute material** is expanded

Then:

Our options dramatically improve and.....

radical improvements in **deployment, employment and sustainment** in a **distributive, globally non-contiguous** environment can be realized.

JDES Concept's Desired Outcome

A significant improvement in our capabilities to plan and execute the movement and sustainment of forces in a joint and multinational context as it relates to:

Pre-crisis preparedness (Shaping For Success)

Rapid global employment

Strategic and operational mobility

Force endurance

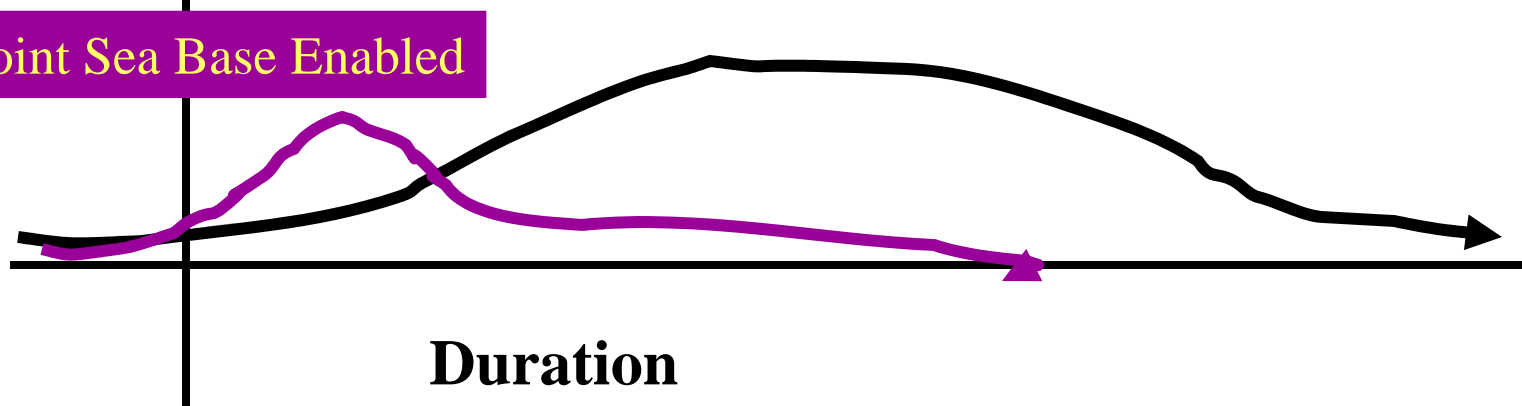
The aim of the Joint deployment, employment and sustainment concept is to describe the means to project, build and sustain military capability in seemingly unimaginable ways, regardless of conditions, in order to achieve military and strategic objectives.

Joint Sea Basing ("A maritime component of JDES")

**Combat
Capability
and desired
effects
generation**

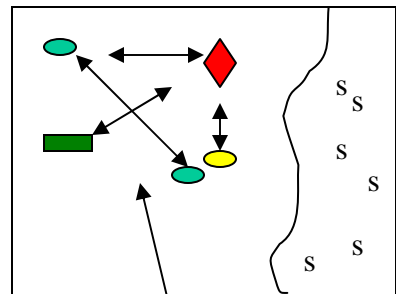
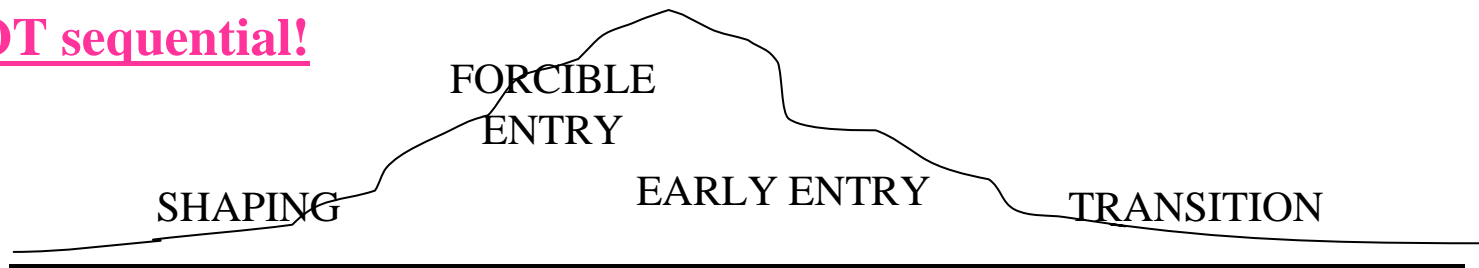
How? "Pro Bowl team concept"; mix & match world class capabilities; highly synchronized, networked, **adaptable** & interdependent

Joint Sea Base Enabled

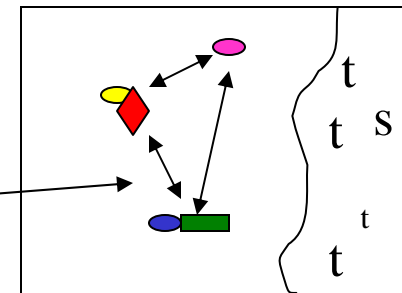
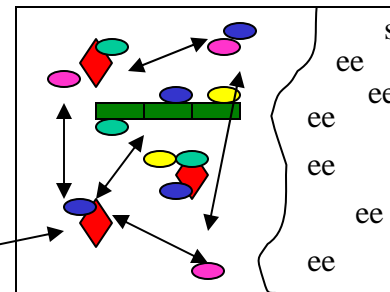
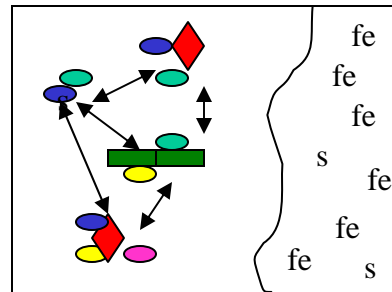


Creating desired effects via a networked, adaptive, “joint force projection grid”

NOT sequential!



Desired effects



Through adaptive Joint C2, the JFC senses changes in capabilities required to create desired effects, and “morphs” the JSB to respond! (“Sense & Respond”)

**Continuous
Global
Reachback**

Future Work Related To JDES

- **Joint Command and Control**

 - Relationships and Processes

 - Combatant Commander's Directive Authority

- **Joint Planning & Execution Process –**

 - Relationships

 - Processes

 - Roles of supporting and supported organizations

- **JDES Options:**

 - Joint Sea-Basing**

 - Advance Mobility applied to moving and sustaining the force

- **JDES adopts and uses a Sense and Respond Methodology**

- **Collaborative Environment**

 - Information Management, Fusion (Moving to Knowledge)

- **Global Distribution Supporting Distributed Operations**

- **JDES In Coalition Operations**

- **Doctrine, Policy & Law**

- **Others**

QUESTIONS

JDES – Informs The Focused Logistics Functional Concept

Focused Logistics Functional Concept ✨

△ Joint Deployment, Employment & Sustainment



Joint Functions Linked To Logistics

- ✓ **Strategic and Intra Theater Mobility – Aerial & Sea Port Operations**
- ✓ **Ground Transportation & Management**
- ✓ **Medical Treatment & Evacuation**
- ✓ **Ammunition Distribution & Storage**
- ✓ **Bulk and Retail Fuel & Water Support (Receipt, Issue, Store)**
- ✓ **Supply Management & Distribution** (Food, Building Mat'l, Major End Items, Barrier / Engineer Support Mat'l, Repair Parts)
- ✓ **Maintenance Operations & Management (Aviation & Ground Systems)**
- ✓ **Food Management / Inspection**
- ✓ **Contracting and Sustainment Acquisition**
- ✓ **Host Nation Support**
 - Military Support To Civil Authorities & Civil Affairs**
 - Engineering**
 - Enemy Prisoners Of War**
 - Postal Operations**
 - Mortuary Affairs**
 - Veterinary**
 - Comptroller**
 - Legal**
 - Military and Civilian Personnel Replacement**