Joint Command and Control Capability Portfolio Management (JC2 CPM)

Transforming the Force to Efficiently and Effectively Execute Precision Engagement

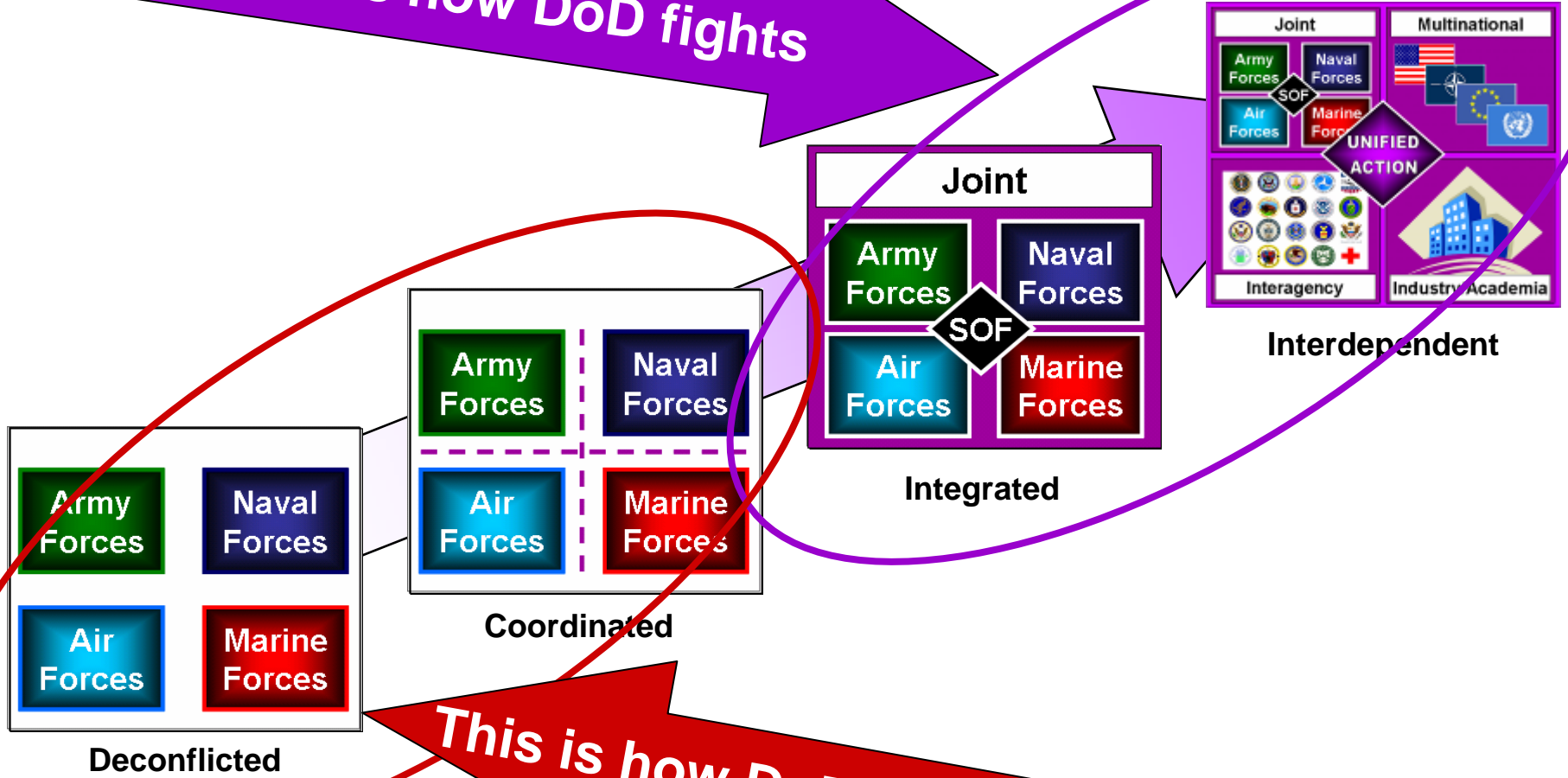## *to*

Precision Strike Association Summer Forum

11 July 2007

Major General Mike Hostage
USJFCOM J8
Joint Capability Developer

Transforming a Joint Force?

This is how DoD fights

This is how DoD provides Capability

Deconflicted

Army Forces — Naval Forces — Air Forces — Marine Forces

Coordinated

Army Forces — Naval Forces — Air Forces — Marine Forces

Integrated

Joint: Army Forces — Naval Forces — Air Forces — Marine Forces — SOF

Interdependent

Joint: Army Forces, Naval Forces, Air Forces, Marine Forces, SOF — Multinational — UNIFIED ACTION — Interagency — Industry/Academia

JC2 Development Challenges

- No designated, empowered Joint Advocate for joint capabilities

- We organize, train and equip C2 at the Service level but fight at joint level

- Lack of prioritization and balance across entire Joint Capability Area

- Unable to view JC2 across entire portfolio of contributing investments

2006 Quadrennial Defense Review (QDR) Report

The Department's Solution

- **Capability Portfolio Management**
  - Capability-based planning and management efforts to enable strategic choice and make capability tradeoffs
  - Integrate requirements/capabilities, acquisition and programmatics

- **Four capability areas selected as test cases**
  - Joint Command & Control (JC2)…**Commander USJFCOM**
  - Joint Net-Centric Operations (JNO)
  - Battlespace Awareness (BA)
  - Joint Logistics (JL)

> **DSD Memo (14 Sep 06) designated Commander USJFCOM as JC2 Capability Portfolio Manager (JC2 CPM)**

Capability Portfolio Management (CPM) (26 Sep 06 DAWG)

MISSION: Establish capability portfolio management, responding to Department leadership, that delivers integrated joint C2 capabilities, improves interoperability, identifies and captures efficiencies, reduces capability redundancies and gaps, and increases joint operational effectiveness.

CPM Objectives

- **Advocate Warfighter operational requirements**
- **Provide authoritative Joint C2 direction:**
  - **Common data lexicon and strategy**
  - **Defined joint architectures**
  - **Interoperability standards**
- **Promote teamwork - leverage C/S/A expertise and insight**
- **Promote cross-program, enterprise-wide analysis for Joint C2**
- **Establish and use a persistent test and evaluation environment**
- **Identify issues, frame choices, and sustain "creative tension" to inform senior leader decisions**
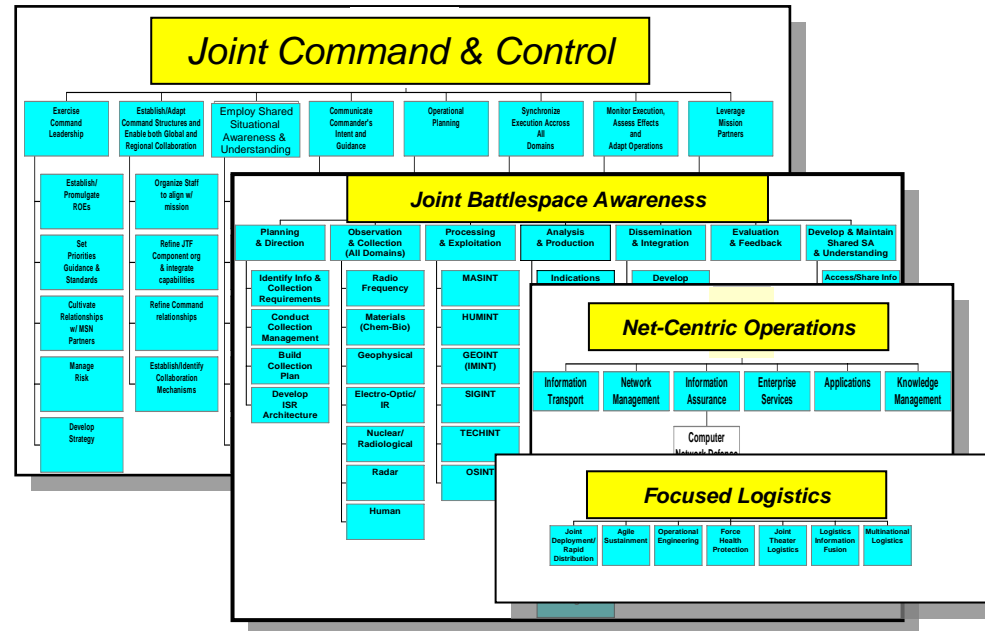
Joint Capability Development Goal

Moving from …

System-based   *to*   Capability-based

B-1B

F-117A

F-16

F/A-18

22 Joint Warfighting Capability Areas

Joint Command & Control

| Exercise Command Leadership | Establish/Adapt Command Structures and Enable both Global and Regional Collaboration | Employ Shared Situational Awareness & Understanding | Communicate Commander's Intent and Guidance | Operational Planning | Synchronize Execution Across All Domains | Monitor Execution, Assess Effects and Adapt Operations | Leverage Mission Partners |

- Establish/Promulgate ROEs / Organize Staff to align w/ mission
- Set Priorities Guidance & Standards / Refine JTF Component org & integrate capabilities
- Cultivate Relationships w/ MSN Partners / Refine Command relationships
- Manage Risk / Establish/Identify Collaboration Mechanisms
- Develop Strategy

Joint Battlespace Awareness

| Planning & Direction | Observation & Collection (All Domains) | Processing & Exploitation | Analysis & Production | Dissemination & Integration | Evaluation & Feedback | Develop & Maintain Shared SA & Understanding |

- Identify Info & Collection Requirements / Radio Frequency / MASINT / Indications / Develop / Access/Share Info
- Conduct Collection Management / Materials (Chem-Bio) / HUMINT
- Build Collection Plan / Geophysical / GEOINT (IMINT)
- Develop ISR Architecture / Electro-Optic/IR / SIGINT
- Nuclear/Radiological / TECHINT
- Radar / OSINT
- Human

Net-Centric Operations

| Information Transport | Network Management | Information Assurance | Enterprise Services | Applications | Knowledge Management |

Computer Network Defense

Focused Logistics

| Joint Deployment/ Rapid Distribution | Agile Sustainment | Operational Engineering | Force Health Protection | Joint Theater Logistics | Logistics Information Fusion | Multinational Logistics |

6

Capability Portfolio Management Engine

JOINT WARFIGHTER

Assigned Mission

JTF HQ

Service Tasks

UJTLs
X.X
X.X.X
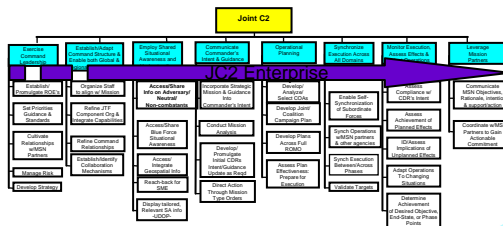X.X.X.X
X.X.X.X.X

Joint Tasks

AUTLs
MCTL
NTTL
AFTL

Operational Activities / Tasks / Sub-tasks

CAPABILITY MAPPING

Strategic Objectives

- Provide relevant information to decision makers
- Provide warfighters shared situational awareness and understanding
- Provide coalition forces, subordinate units and mission partners access to timely, relevant, accurate, and actionable information
- Provide a common, standard lexicon among DOD, non-DOD agencies and allied/coalition members
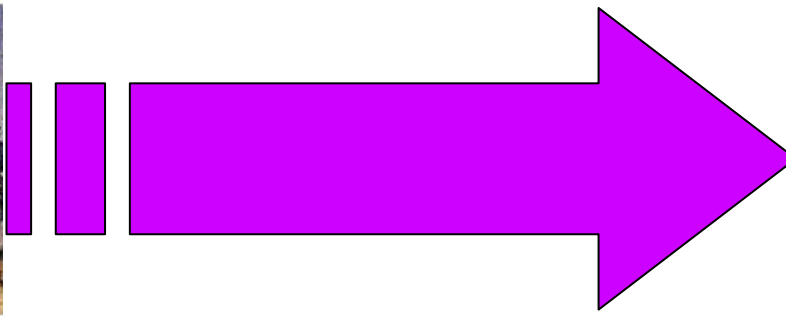- Provide the means for commanders to promulgate accurate and timely intent

Joint C2

JC2 Enterprise

Capability Mix

SERVICES

Programmatic Data & Details

JC2 Interest Programs & Initiatives

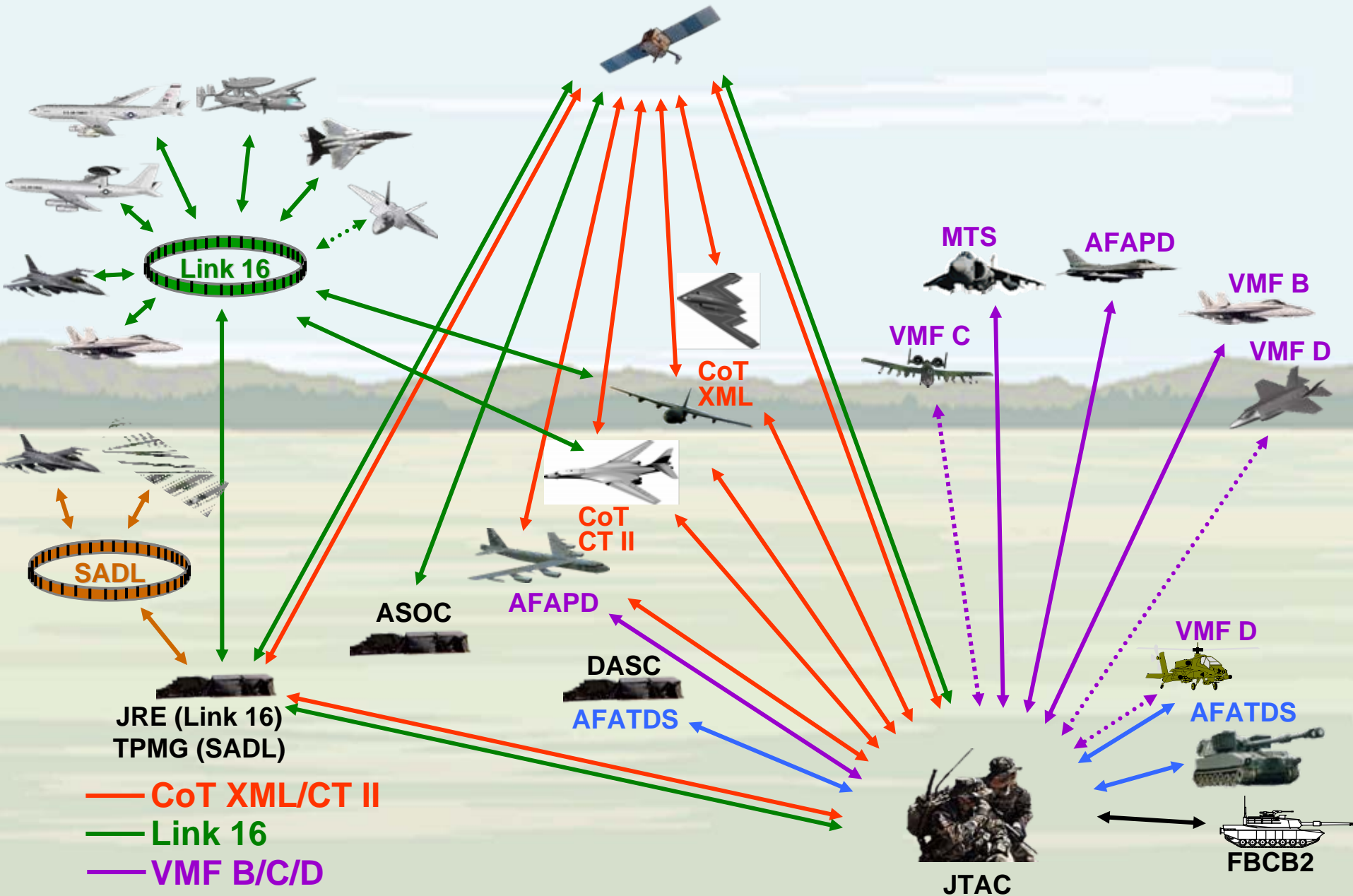|	
ABCS	JADOCS
AFATDS	JALIS
AMDPCS	JBFSA
AOC-WS	JEPES
ArcView GIS	JFAST
ATDLS	JMS
BCS-M	JMTK
C2PC	JMV
CAC2S	JMINS
CATS/HPAC	JOPES
CCIC2S	PRMS/JPRA
CDET	JTAT
CEC	JTAV
CHATS	JTCW
C/JMTK	JTIDS
CMMA	JTRS
CMWS	JTT
CSEL	JWARN
DCTS	MAT
DIE	MIDS
DJC2	MIS
FBCB2	MUOS
FCS	NCES
GBS	NECC
GCCS-A	ONA
GCCS-I3	PFPS/Falcon View
GCCS-J	SECOMP-I
GCCS-M	SJFHQ
GCSS	SOFTools
GSORTS	TACP/ASOC
IMETS	TBMCS
IMOM	TBMWD
ISPAN	TCO
IRC	TKC2
IWS	WIN-T

Duality of Portfolio Management

- Establishment of the Vision of Future Capability
  - Born Joint
  - Net Enabled Command Capability (NECC)
  - DoD C2 Roadmap, JBMC2 Roadmap, C2 Migration Plan
  - Architectures, Data Strategy, Standards

- Migration of Legacy Programs
  - POM Guidance
  - Focus Integration Team (FIT)
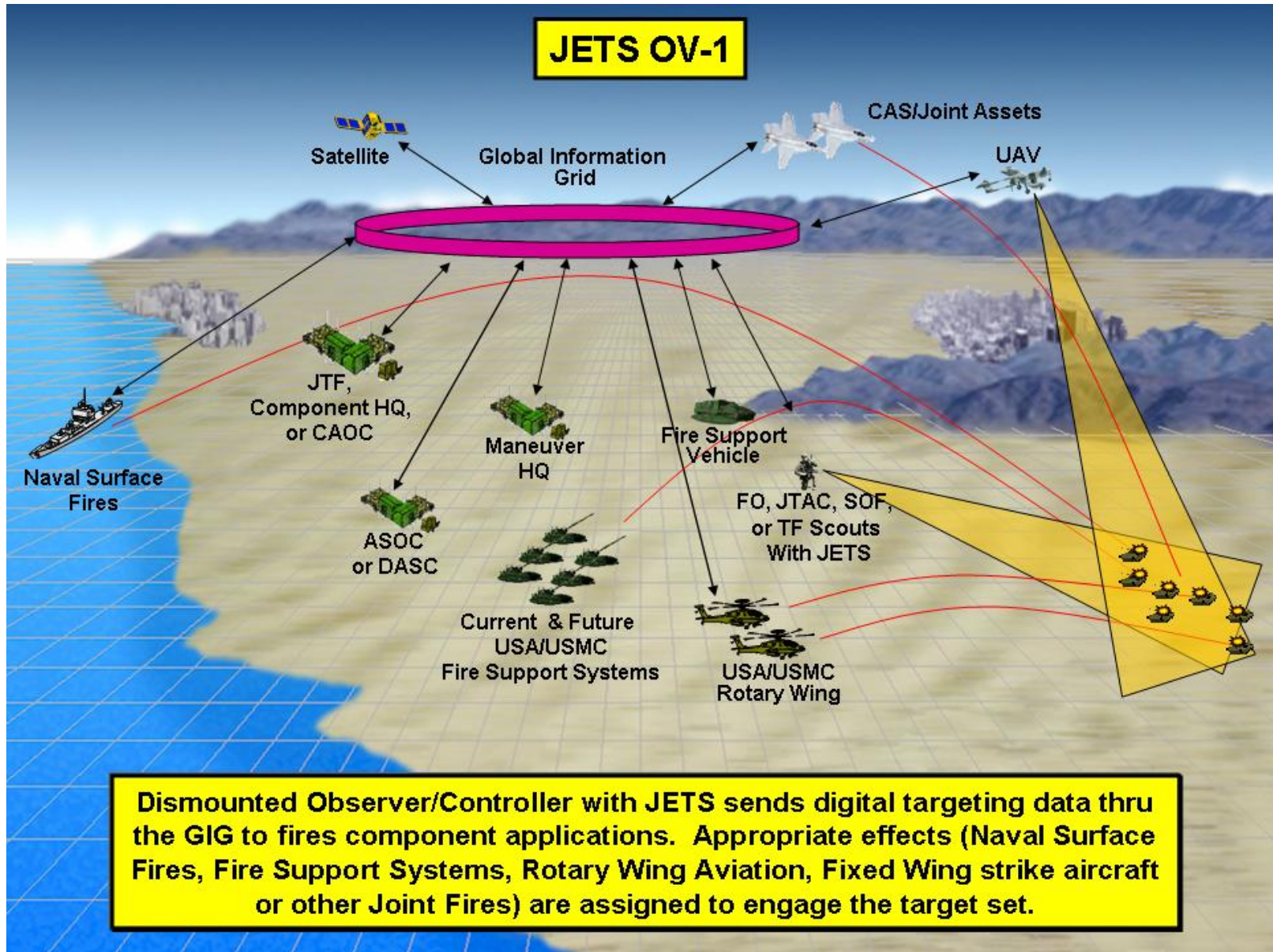
CPM Process must address both
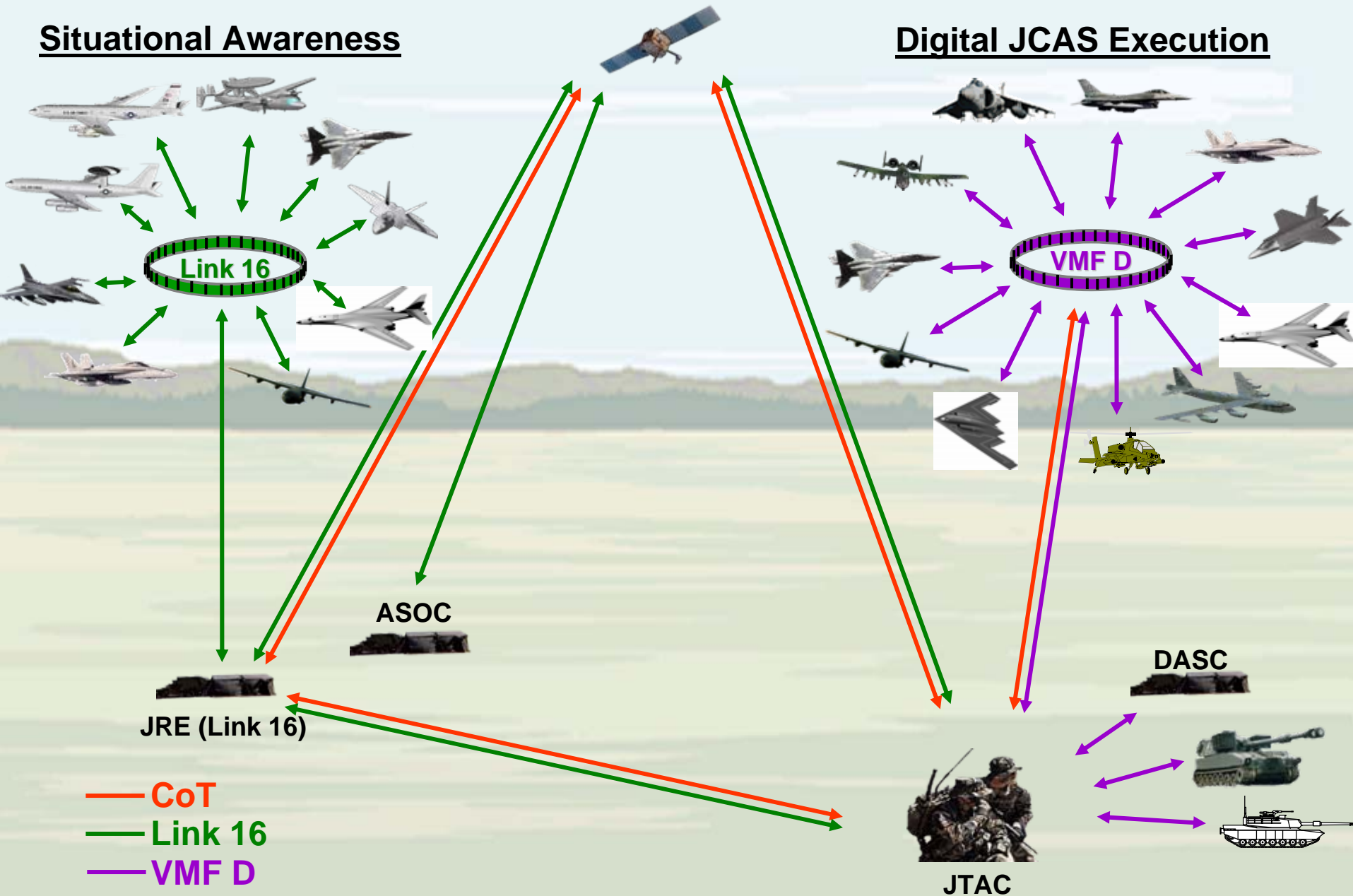
Digital JCAS Interoperability – Today

Dismounted JTAC

Joint Effects Targeting System

JETS OV-1

Satellite

Global Information Grid

CAS/Joint Assets

UAV

JTF, Component HQ, or CAOC

Maneuver HQ

Fire Support Vehicle

Naval Surface Fires

ASOC or DASC

FO, JTAC, SOF, or TF Scouts With JETS

Current & Future USA/USMC Fire Support Systems

USA/USMC Rotary Wing

Dismounted Observer/Controller with JETS sends digital targeting data thru the GIG to fires component applications. Appropriate effects (Naval Surface Fires, Fire Support Systems, Rotary Wing Aviation, Fixed Wing strike aircraft or other Joint Fires) are assigned to engage the target set.

Digital JCAS Interoperability – 2013

Situational Awareness

Digital JCAS Execution

Link 16

VMF D

ASOC

JRE (Link 16)

DASC

JTAC

CoT
Link 16
VMF D

Focus Integration Team

- Establish partnership with C/S/A SMEs

- Leverage existing capability analysis
  - Focus on gaps, efficiencies, redundancies

- Produce POM / APOM recommendations to achieve enhancements

- Assess Service / Agency POMs for guidance compliance
  - Develop input to consolidated JC2 CPM Issue Paper as required

Persistent Engagement

APOM 09 FIT Cells

- JTF Headquarters

- Deployable C2

- Integrated Fires/Blue Force Tracker

- Common Operational Picture

- Adaptive Planning

- Force Readiness

- Collaborative Information Environment

- Joint Execution Mission Management

- Common Tactical Picture

- Cross Domain Solutions

- Machine Foreign Language Translation

- NECC Migration Strategy

- Effects Based Approach to Operations

All stakeholders partnered and leveraged

Way Ahead

JC2 Capability Portfolio Manager will:

– Ensure COCOM Warfighting perspective is represented

– Institutionalize C/S/A teaming for Joint Solutions

– Work within priorities across capability portfolio

– Seek optimum C2 capability decisions across C/S/A C2 capability domain

Requirement Driven / Capability Based /

Fiscally Informed and Warfighter Supportive

Questions