



UNCLASSIFIED

Joint Capabilities Integration & Development System



JCIDS Overview

14 April 2009

**Joint Staff / J-8
Capabilities and Acquisition Division**

Joint Capabilities Integration and Development System



- GOAL: Provide the Joint Force with the capabilities needed to perform across the range of military operations and challenges.
- Supported by:
 - Integrated, collaborative review process.
 - Leveraged expertise of all government agencies.
 - Joint Operating Concepts.

JCIDS along with the Defense Acquisition System and the Planning, Programming, Budgeting and Execution processes form the principal DOD decision support processes for developing capabilities required by the military forces to support the national military strategy and the defense strategy



Capabilities-Based Planning

Strategic Guidance (OSD (P))

- National Security Strategy
- National Defense Strategy
- National Military Strategy
- Contingency Planning Guidance
- QDR
- Guidance for the Development of the Force

Analytic Agenda (OSD (P)/J-8)

- Defense Planning Scenarios
- Multi-Service Force Deployment
- Operational Availability Studies
- Global Force Management

Joint Concepts (J7)

- CJCSI 3010.02B
- Capstone Concept for Joint Operations (CCJO)
- Joint Concept Development & Experimentation Process Guide
- JCDE Campaign Plan
- Joint Concepts

Force Management

CBP

Adaptive Planning

JCIDS (J8)

DoD 5000 (OSD AT&L)

PPBE (OSD (C/PA&E))

- CJCSI 3170.01
- JROC validation and approval of JCIDS documents
- Functional Capabilities Boards
- Evaluation of COCOM needs (lessons learned, joint urgent needs, etc.)

- Concept Decisions
- Defense Acquisition Boards
- Acquisition Decision Memos
- Selected Acquisition Reports/ Defense Acquisition Executive Summaries
- Capability portfolio management

- Program Objective Memorandum/ Budget Estimate Submission
- Program Review
- Program Decision Memos/ Program Budget Decisions
- President's Budget

Common Lexicon – Joint Capability Areas

Threat vs Capabilities Based Planning



Requirements Generation System (RGS)- ~30 years of experiences

Joint Capabilities Integration and Development System (JCIDS)

Partially Interoperable Capabilities

Late Integration

Services Build Systems

Service Experimentation, Assessment & Analysis, Validation, Selection of Solutions

Service Unique Strategic Visions and Requirements

Strategic Direction

Joint Warfighting Concept Development

Joint Experimentation, Assessment & Analysis, Validation, Selection of Solutions

COCOMs, Services' Unique Strategic Visions

Joint Capabilities

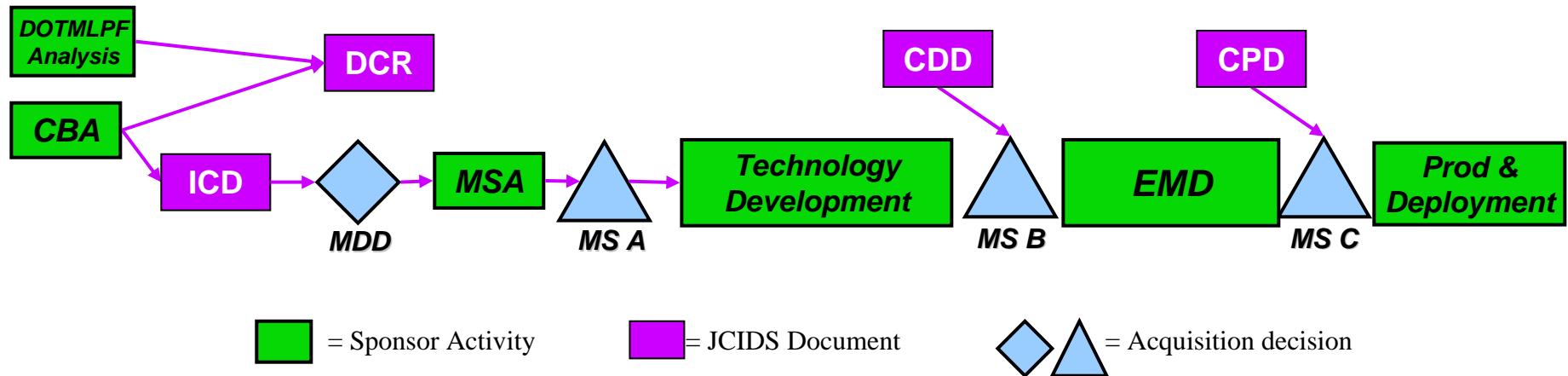


Joint Urgent Operational Needs

- **Urgent Needs are worked through either the joint or Service processes (CJCSI 3470.01)**
 - **Joint Rapid Acquisition Cell (JRAC)**
 - **Combat MNS, Urgent Needs Statements, etc.**
- **If the solution is to become part of the formal inventory, appropriate JCIDS documentation and approvals are required**
 - **If the capability will be sustained only for the duration of the current conflict, no JCIDS documentation is required**
 - **If further development or multiple increments are expected a CDD**
 - **If no development or COTS, a CPD**



JCIDS and Acquisition



CBA = Capabilities Based Assessment
 MDD = Materiel Development Decision
 MSA = Materiel Solutions Analysis
 EMD = Engineering & Manufacturing Development

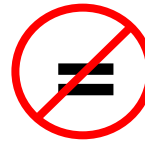
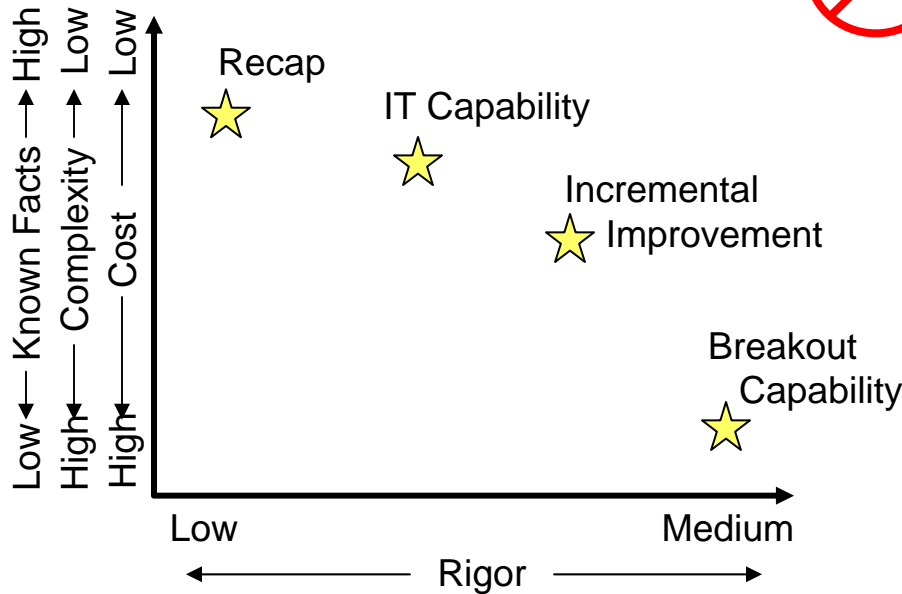
CBA Analysis – How Much is Enough?



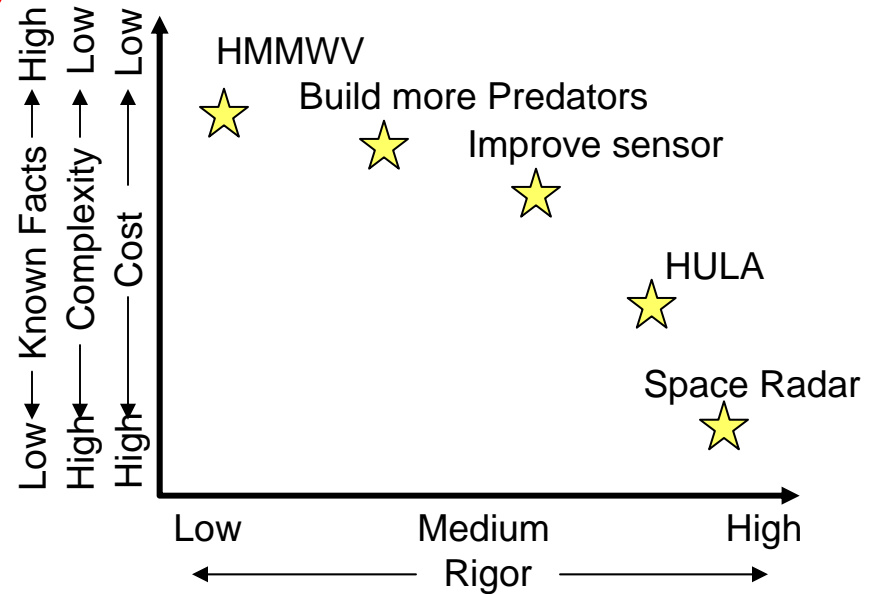
Objectives:

- Complete CBA within
 - 60-90 days (non-transformational and/or narrow scope)
 - 90-180 days (transformational or broad scope).
- Produce enduring relevant capabilities

JROC Gap Analysis/CBA



MDA Solution Analysis/AoA



“Relevant but imperfect” analysis not “perfect but irrelevant” analysis
 Component responsible for determining depth of analysis and defending results



Focus of The CBA

What does the CBA identify?

- **The mission**
 - Concept of Operations
 - Assumptions
 - Timeframe
- **Capability definition**
 - Use SWarF identified attributes
- **Gaps**
 - Operational risk
 - Priorities
- **Desired solution type**
 - Breakout – 5x improvement over current, fundamental change
 - Incremental – modify an existing system
 - IT system
 - Non-materiel
- **Recommendations**
 - Sets the conditions for the ICD and AoA

ICD



- **Breakout**
 - Revolutionary change to the conduct of warfare
 - Multiple times increase in capability over existing systems
 - Technological innovation/leap

- **Incremental**
 - A capability achieved through
 - Evolution of an existing capability
 - Modification of an existing weapon system

- **IT System**
 - A capability developed and deployed using information technology

- **Non-Materiel Change**
 - Employs existing capabilities in alternate ways to accomplish the mission



JROC Organization

JROC DECISION CHAIN



FINAL DECISION AUTHORITY

CJCS

ADVICE TO SECDEF

JROC

**RECOMMENDATION APPROVAL/
TOP LEVEL GUIDANCE**

JCB

ISSUE DEVELOPMENT

FCB

INITIAL ISSUE REVIEW

FCB WG

ANALYTIC FOUNDATION

JROC MEMBERSHIP

Chair: VCJCS

Council Members:

- Vice Chief of Staff, Army
- Vice Chief of Naval Operations
- Vice Chief of Staff, Air Force
- Assistant Commandant of the Marine Corps

JROC: Joint Requirements Oversight Council
 JCB: Joint Capabilities Board
 FCB: Functional Capabilities Board
 FCB WG: Functional Capabilities Board Working Group

COCOMs have a standing invitation to attend all JROC sessions



COCOM Empowerment

- **Objective: Enhance COCOM authority and responsibility in the JCIDS process**
- **Method: Delegate JCB authority to appropriate COCOM**
 - Command and Control delegated to JFCOM
 - Special Operations capabilities delegated to SOCOM
- **The COCOM Deputy Commander chairs the JCB for topics in those portfolios**
- **Next steps:**
 - Delegate Logistics to TRANSCOM
 - Delegate Net-Centric and Battlespace Awareness to STRATCOM
 - Evaluate effectiveness of the delegation



JCIDS Gatekeeper

- **Perform an initial review of all JCIDS proposals**
- **The Gatekeeper (VDJ8) determines:**
 - **Joint Potential Designator**
 - JROC Interest
 - JCB Interest
 - Joint Integration
 - Joint Information
 - Independent
 - **Lead and supporting Functional Capabilities Boards**
- **Formal Staffing begins after Gatekeeper decisions**



Functional Capability Boards

Command & Control

Maj Gen
Kennedy
JFCOM J-8

Battlespace Awareness

Brig Gen
Grundhauser
JS J-2

Logistics

RDML
Prendergast
JS J-4

Force Support

Brig Gen
Robinson
JS J-8

Protection

RADM Macy
JS J-8

Force Application

Brig Gen
Robinson
JS J-8

Net-Centric

Maj Gen Basla
JS J-6

Building Partnerships

Mr Norwood
JS J-5

FCB Membership: (O-6 level)

Services

Combatant Command Reps

OSD (AT&L)

OSD (I)

USecAF (Space)

ASD NII/ DOD CIO

D, PA&E

DIA Rep (Threat)

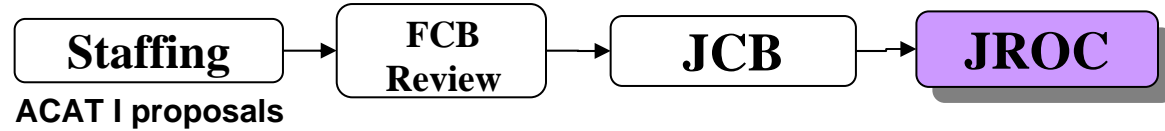
ODNI/IRB

Other DoD Agencies as necessary

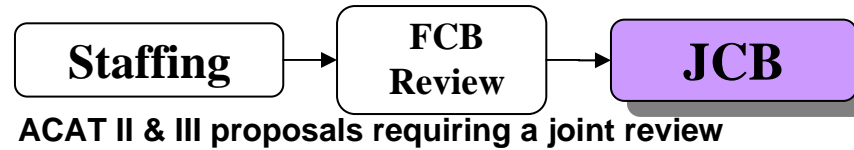


JCIDS Approval Tracks

JROC Interest



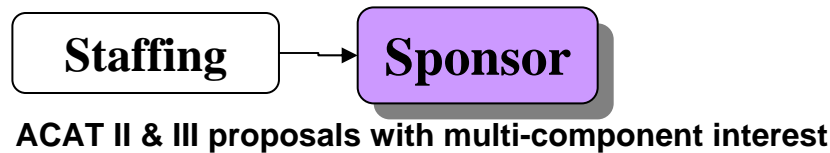
JCB Interest



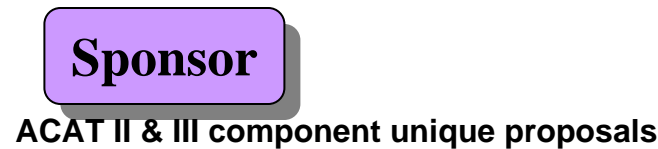
Joint Integration



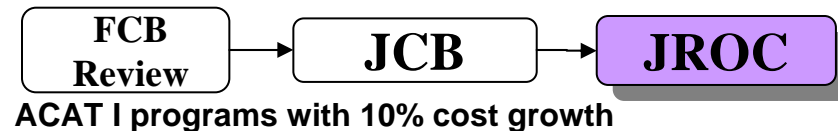
Joint Information



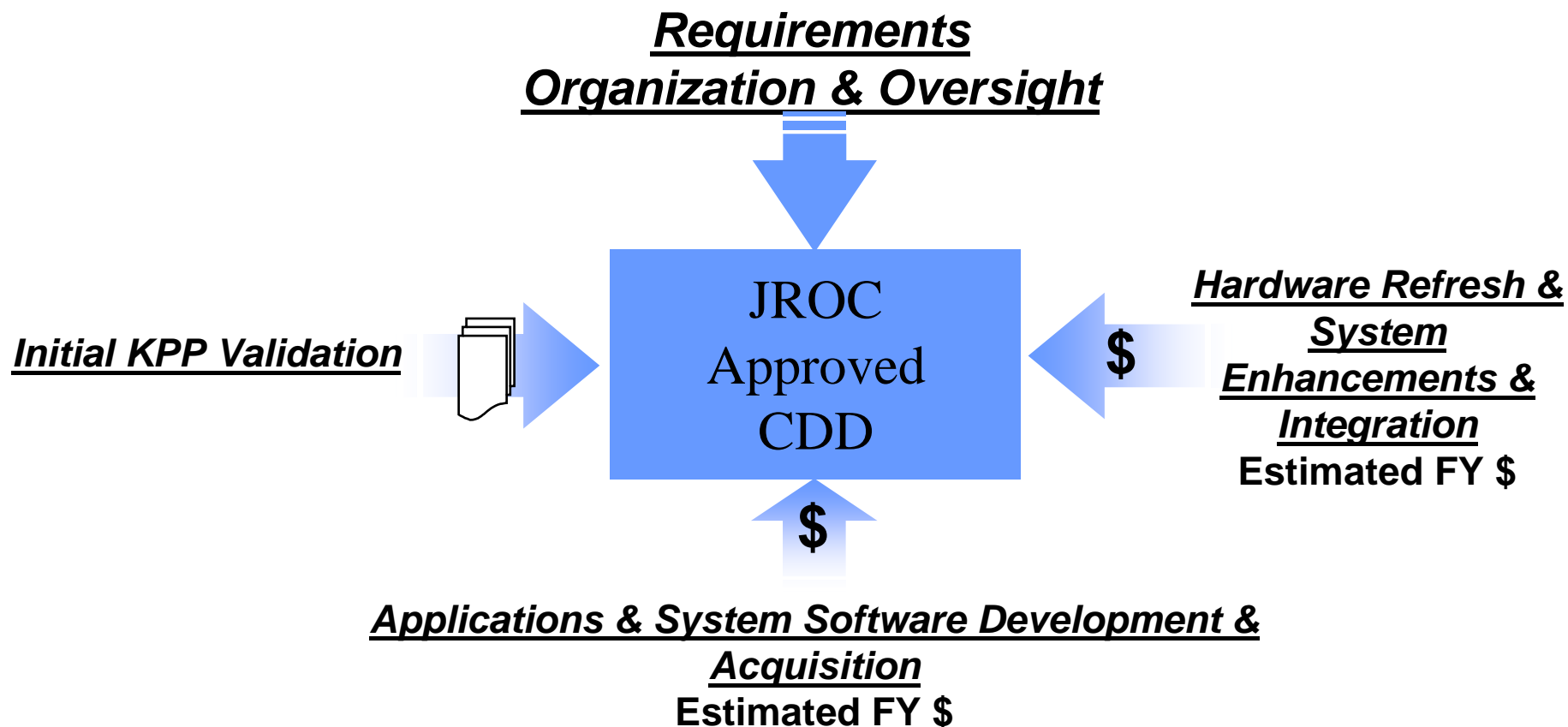
Independent



Tripwires



Requirements Oversight & Governance for IT Systems



- No return to the JROC required unless additional funding required
- CPD not required unless MDA needs it for a MS C



Summary

- **JCIDS is one portion of the entire CBP process**
- **JCIDS was implemented as a 70% solution**
 - Issues with the JCIDS process are resolved as identified
- **Provides an enhanced methodology to identify and describe capabilities gaps and redundancies**
- **Helps to prioritize capability proposals**
- **Facilitates joint review of capability proposals independent of ACAT (Acquisition Category)**
- **Engages the acquisition community early**
- **Improves the identification of non-material alternatives**
- **Improves collaboration with other departments and agencies**

**Continuous improvement
Support Flexibility and Agility
Maintain Relevance**

Additional Information



- Knowledge Management/Decision Support Tool website:

<http://jrockmds1.js.smil.mil/guestjrcz/gbase.guesthome>

- Joint Staff Intellipedia

(SIPRNet) <http://www.intelink.sgov.gov/wiki/JCIDS>

(NIPRNet) <https://www.intelink.gov/wiki/JCIDS>

- Joint Staff POC:

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(703)-697-7525, DSN 227-7525

or

J-8/CAD betsy.mcchesney@js.pentagon.mil

(703)-695-4745, DSN 225-4745



QUESTIONS?

Joint Potential Designator Guidance



- **Capabilities in Battlespace Awareness, Command & Control, Logistics and Net-Centric**
 - Initially considered JROC Interest
 - These capabilities are enablers that cut across Service boundaries
 - The Gatekeeper and the FCBs may lower the JPD based on scope of the capability and other factors
- **Capabilities in Force Application and Protection**
 - Initially considered Independent or Joint Information
 - Gatekeeper and FCBs may raise the JPD based on
 - ACAT I – statutory requirements for JROC
 - Other issues including joint warfighter impact and interoperability considerations
- **Capabilities in Force Support, Building Partnerships, and Corporate Management & Support**
 - Initially considered Independent
 - Gatekeeper and FCBs may raise the JPD if issues require joint oversight

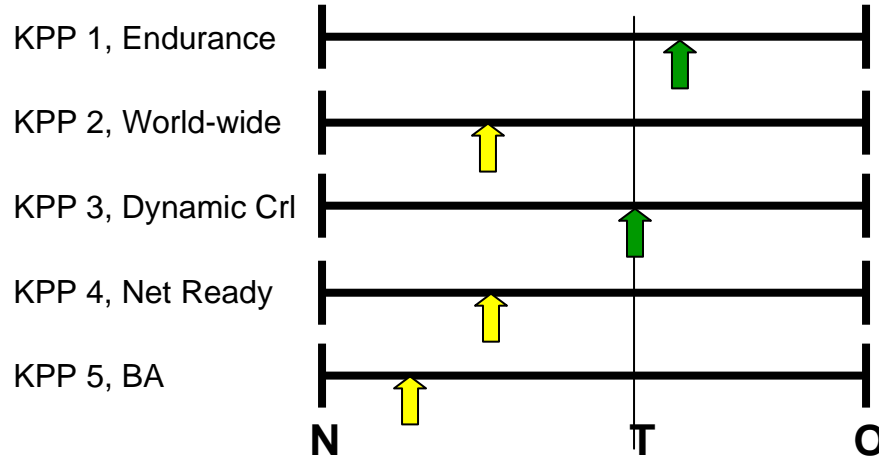


Cost drivers, Tech Readiness, and Performance

Top Cost Drivers

- | | |
|--------------------------|-------|
| 1. Force Structure | 26.9% |
| 2. KPP BA SIGINT | 9.0% |
| 3. Electronic Protection | 6.0% |
| 4. KPP BA Optical | 4.8% |
| 5. C ³ | 1.9% |

Performance (KPPs & select KSAs)

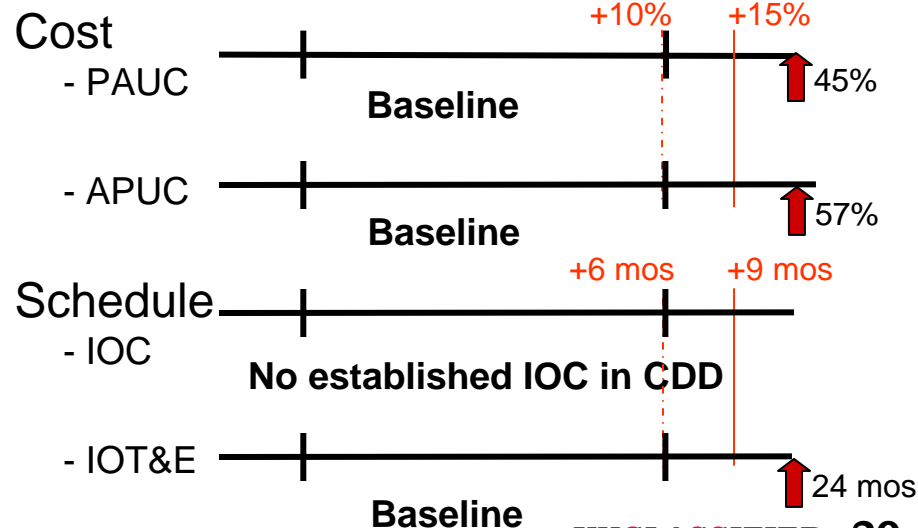


Tech Readiness Assessment

Critical Technologies	To Date	Estimate @ IOT&E
Endurance	TRL 6	TRL 8
World-wide operations	TRL 6	TRL 6
Dynamic Control	TRL 6	TRL 8
Net Ready	TRL 5	TRL 6
Battlespace Awareness EO	TRL 6	TRL 8
Battlespace Awareness IR	TRL 6	TRL 8
Battlespace Awareness Radar	TRL 6	TRL 8
Battlespace Awareness SIGINT	TRL 4	TRL 8
Battlespace Awareness MTI	TRL 6	TRL 8

Acquisition Program Baseline (APB)

Dec baseline



Interrelationships, Dependencies and Synchronization with Complementary Systems



CONUS Basing:

Beale	1			
Grand Forks	2			

C	S	P

OCONUS Basing:

CENTCOM	2			
EUCOM	2			
PACOM	2			

Exploitation:

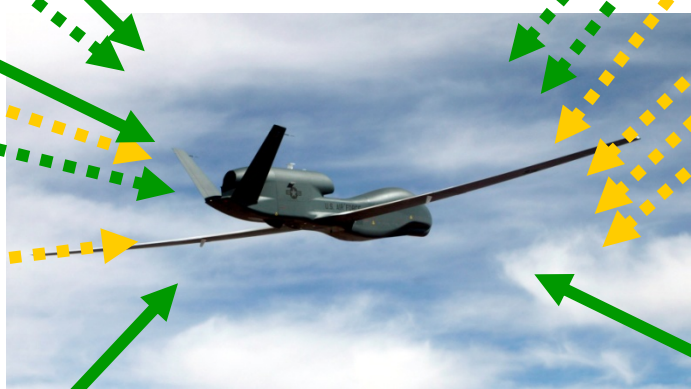
DCGS 10.2	1			
DCGS WAN	1			
DCGS-AF	1			
DCGS-A (TES)	3			
TEG	3			
JSIPS-N	3			
CROFA	1			
RSOC	1			

Battlespace Awareness:

ASIP	2			
RTIP	2			
E-10	2			

C2:

JTRS Cluster 2	2			
JTRS Waveform	1			
FAB-T	1			
CDL	1			
DISN	3			
ETP	1			
GIG	3			
NIPRNet	3			
SIPRNet	3			
JWICS	3			
INMARSAT	3			
UHF SATCOM	1			
GPS	1			



	Solid denotes current system
	Dash denotes future system
	Arrow to denotes support to
	Arrow from denotes supports
	No known platform or system issues
	Monitoring potential interoperability issues

PM DAES Rating:	I	C	S	P	Not Rated	Fielded
	1					

I = Integration.
 Color denotes Synchronization of effort with this program
 Number denotes degree of dependency:
 1 - Critical , 2 - Significant , 3 - Enabler