The Joint Staff C4 Systems Directorate

Implementing the Joint Battle Management Command & Control Roadmap Panel

Colonel Rob Gearhart, USMC
Joint Staff J6I, Integration & Information Assurance Division

Interoperability & JBMC2

The JS J6 C4 Systems Directorate Assists US Joint Forces Command in executing MID-912 Responsibilities for Overseeing and Directing JBMC2 Capabilities for Joint Integration and Interoperability by:

- Educating Sponsors

- Engaging Program Managers

- Enforcing Joint Interoperability Requirements

Interoperability Certification Criteria

- Joint Capabilities Integration & Development System (JCIDS) Documents Staffed by J-8 for Comment/Review and Certified for Interoperability by J-6

- CJCSI 3170.01D, CJCSM 3170.01A, and CJCSI 6212.01C Format and Criteria

  – Includes Net Ready – Key Performance Parameter

  - Adherence to Net Centric Operations & Warfare Reference Model (NCOW-RM)

  - Required Integrated Architecture Products

  - Adherence to the Global Information Grid (GIG) architecture through Key Interface Profiles (KIPs)

  - Information Assurance

  – System Registration JCPAT-E and DOD IT Registry (FISMA)

  – IT Standards Conformance Profile (DISRonline)

  – J-6 Interoperability Certification Memorandum Provided to Document Sponsor via the JCIDS Process

Interoperability & JBMC2

The Net Ready Key Performance Parameter (NR-KPP) defines current J6 Interoperability Requirements

- The NR-KPP will assure seamless operation of the Global Information Grid (GIG)

- The NR-KPP is the Key to Achieving Interoperability in a Net Centric Environment
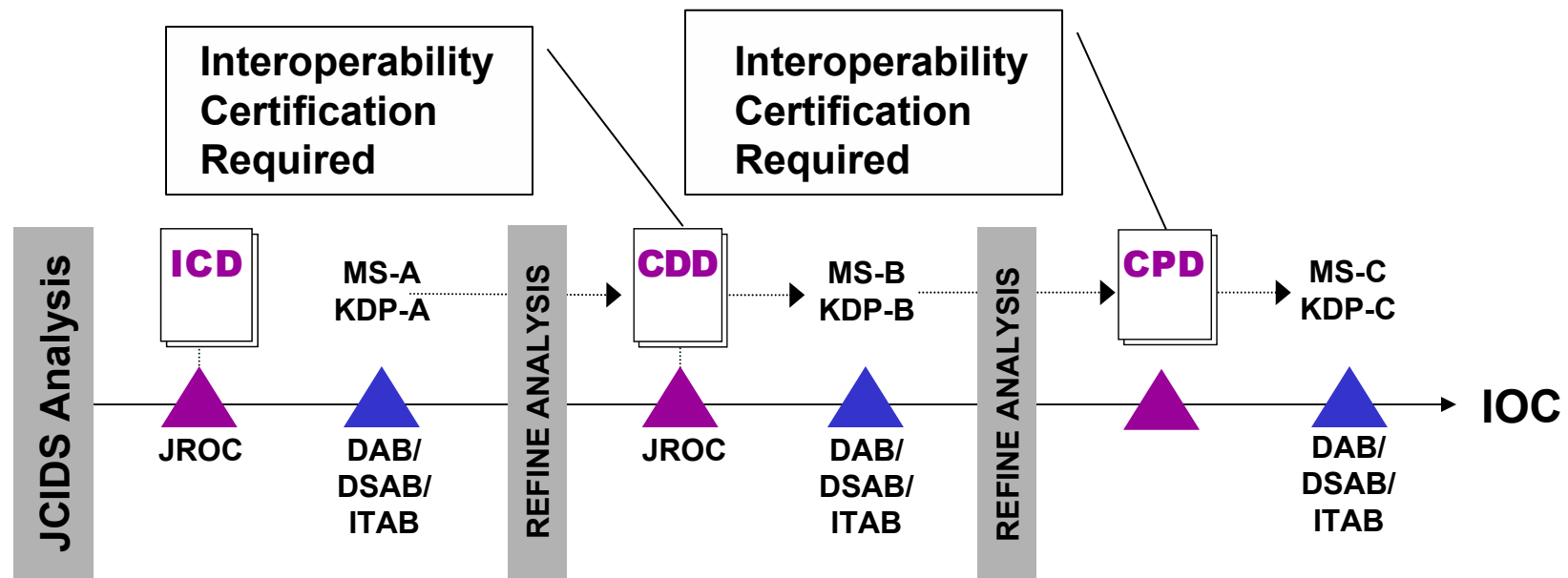
J6 Interoperability Certification Achieved Through:

1. Joint Capabilities Integration & Development System (JCIDS) Reviews

2. CJCSI 6212.01C Interoperability and Supportability of Information Technology and National Security Systems

3. Joint Interoperability Test Command (JITC) and the Interoperability Test Panel (ITP)

> **There are approximately 236 Initiatives within the JBMC2 Roadmap**

Interoperability and JCIDS

• No Milestone C Decisions Have Been Approved Without J6 Certification since the JCIDS Process was Launched in June 2003

• Interoperability Certification Through JCIDS is Working

Interoperability Certification Required

Interoperability Certification Required

| JCIDS Analysis | ICD | MS-A KDP-A | REFINE ANALYSIS | CDD | MS-B KDP-B | REFINE ANALYSIS | CPD | MS-C KDP-C |

JROC — DAB/DSAB/ITAB — JROC — DAB/DSAB/ITAB — DAB/DSAB/ITAB — IOC

Joint Capabilities Integration and Development System (JCIDS)

Current Acquisition Programs = success

Fielded, Post-Acquisition Programs = challenge

Programs prior to Interoperability Requirements

Interoperability Requirements Applied
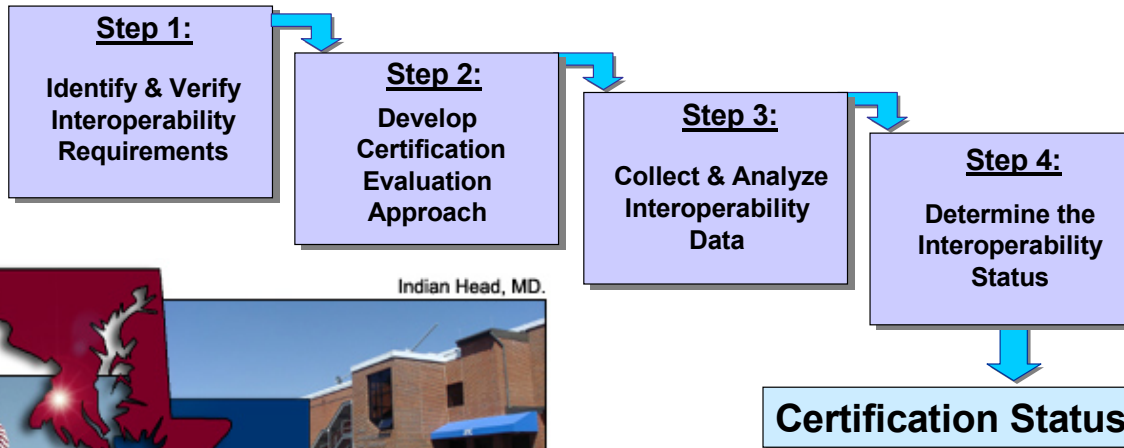
What is left

Interoperability through CJCSI 6212

- <u>The Challenge</u> – Enforcing current DoD Interoperability Standards for Fielded Systems

- The Joint C4I Program Assessment Tool (JCPAT), System Tracking Program (STP), and DoD Information Technology Registry (DoD IT Registry) databases indicate

  - **236 JBMC2 Roadmap Initiatives**

  - **127 of 236 are not J6 Interoperability Certified**

  - **158 of 236 are not Joint Interoperability Test Command (JITC) Certified**

- <u>Corrective actions and initiatives</u>

  - Enforcement of CJCSI 6212 requirement for tri-annual test recertification by the Joint Interoperability Test Command (JITC)

  - Military Communications & Electronics Board (MCEB) Interoperability Test Panel (ITP) Reviews

  - MCEB and/or Interoperability Senior Review Panel Referral

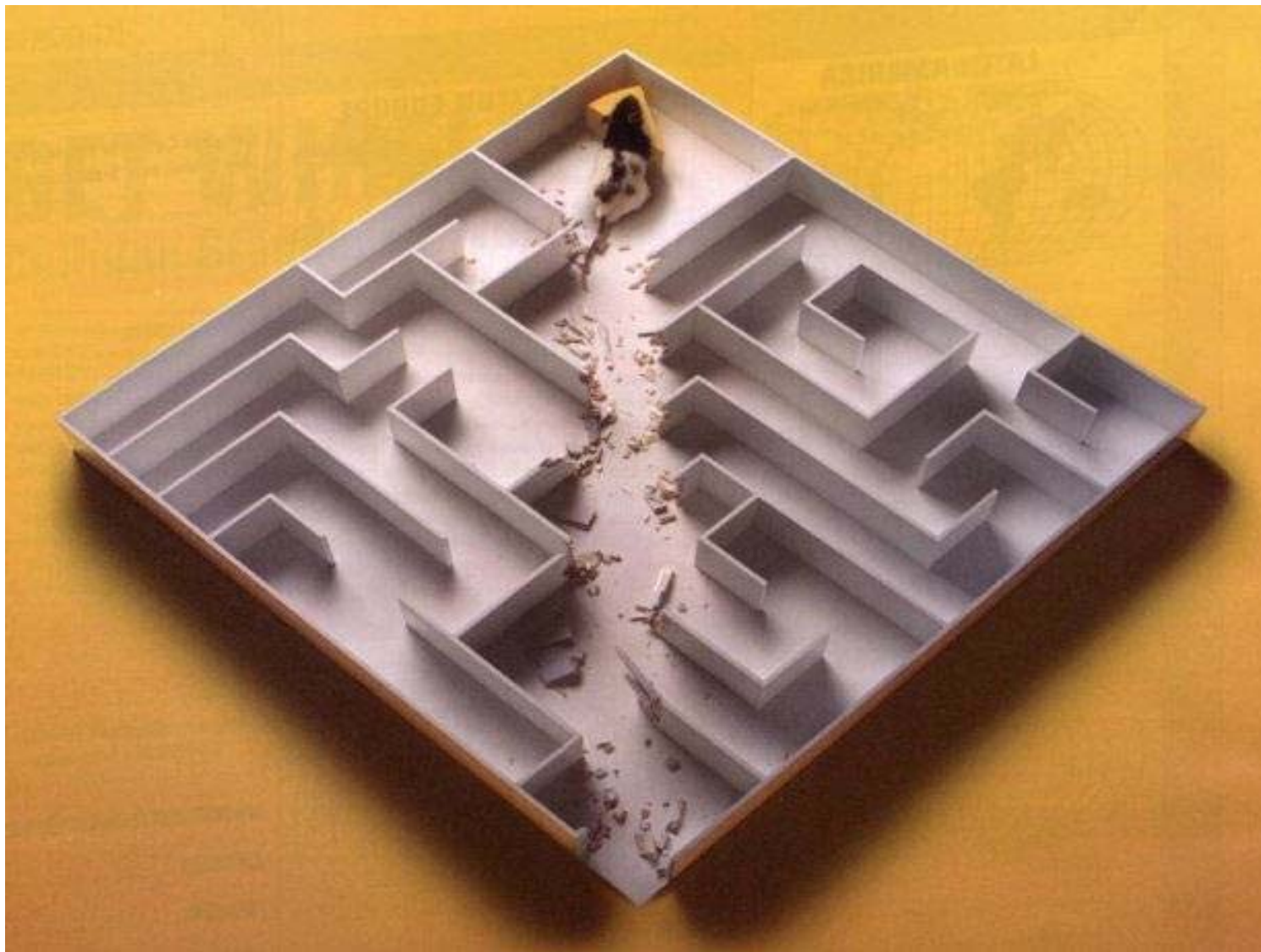# *Interoperability through Testing*

Four Basic Steps

Step 1:

Identify & Verify Interoperability Requirements

Step 2:

Develop Certification Evaluation Approach

Step 3:

Collect & Analyze Interoperability Data

Step 4:

Determine the Interoperability Status

Indian Head, MD.

Ft. Huachuca, AZ.

Certification Status

Certification Activity	FY 2002	FY 2003	FY 2004	FY 2005
JITC Interoperability Test Certifications	99	91	73	36*
JITC Interoperability Assessments	0	8	32	12*
JITC Conformance Certifications	59	82	76	28*
MCEB ITP ICTOs Granted	32	43	77	37*

* As of 16 Mar 05

The Goal - Full J6 Interoperability & JITC Test Certification, Including the Net Ready Key Performance Parameter, of the Initiatives that Comprise JBMC2 with Documentation in JCPAT and the DoD IT Registry.

STREET LEGAL

J6 Can Help You Through the Interoperability Requirements Maze

Joint Staff J6 POCs

- <u>Enforcement & Testing Branch (J6I)</u>

   LTC(P) Brian Hamilton, USA

   703-614-7784 / brian.hamilton@js.pentagon.mil

- <u>JCIDS Branch (J6I)</u>

   CDR Charles C. Moore II, USN

   703-697-4232 / charles.moore@js.pentagon.mil

- <u>Net Readiness Assessments Branch (J6I)</u>

   Mr. Tom Gaetjen

   703-614-7815 / james.gaetjen@js.pentagon.mil

Data Strategy BACK-UP

BACK UP SLIDES

Interoperability through Data Strategy

- Guidance on Net-Centric Data Strategy:

  - DOD Net-Centric Data Strategy (9 May 2003).

  - DODD 8320.2 *Data Sharing in a Net-Centric Department of Defense* (2 Dec 2004).

  - Net-Centric Operations and Warfare Reference Model (NCOW-RM) v1.1.

- Inclusion of Data Strategy implementation in CJSCI 6212.01D (Draft).

- J6 will assess data strategy implementation as part of NR-KPP.

- Involvement of Warfighting Mission Area Managers and Domain Managers in Community of Interest (COI) oversight.