SYSTEMS ENGINEERING AND THE NEW JCIDS PROCESS

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AGENDA

Introduction

What does the JCIDS Manual Do?

How does this impact Systems Engineers

Benefits for Programs

Wrap-up/Discussion

WHAT HAPPENED

- **Requirements organizations were tasked to develop DoDAF* artifacts**
    - Some had help from program offices
    - Many hired SETA contractors to develop
        - Often resulted in "Shelfware"

*DoDAF – Department of Defense Architecture Framework current version: 2.02

JCSI 3170.01 – JAN 2015

Para 7f:

- **Emphasize close collaboration with the acquisition community during the refinement of capability for ongoing acquisition programs.**

JCIDS MANUAL – FEB 2105

Enclosure D – page 131

Note 2: S/P The sponsor, …, works jointly with the program office to develop the DoDAF architecture data.

Architecture Descriptions Required by JCIDS and NR-KPP Instruction

Document	OV-1	OV-3	OV-4	OV-5a	CV-2	CV-3	CV-6	SV-7	SV-8
ICD/DCR	S	S	S	S	S	S	S		
CDD/CPD	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	S/P	S/P
Note 1	All capability requirement documents should leverage and update DODAF views generated during the CBA or other prior analysis, to facilitate more efficient reuse and leverage in follow-on activities throughout the requirements and acquisition processes.								
Note 2	S: The Sponsor, or operational user/representative, is responsible for development of the architecture data. S/P: The Sponsor, or operational user/representative, works jointly with the program office (depending upon program stage), to develop the architecture data. DOD Components may have additional architectural/regulatory requirements for CDDs/CPDs. (e.g. – HQDA requires the SV-10c, USMC requires the SV-3, etc.)								
Note 3	The OV-5a must use UJTs (and Service task list extensions, if applicable) for alignment of activities. In cases where the program supports an activity not represented in the UJTL, the shortcomings are to be identified in the activity taxonomy and considered for incorporation upon the next update of the UJTL.								

From page 131 of JCIDS Manual

JCIDS MANUAL – FEB 2105

Enclosure D, Appendix E – page 250

Note 2:

- **S/P: The sponsor, …, works jointly with the program office to develop the architecture data.**

- **P: The sponsor, …, should obtain this architectural data from the program office.**

7

ARCHITECTURE DESCRIPTIONS REQUIRED BY JCIDS AND NR-KPP INSTRUCTION (P 250)

Document	AV-2	OV-2	OV-5b	OV-6c	DIV-1	DIV-2	DIV-3	PV-2	SV-1	SV-2 or SvcV-2	SV-4 or SvcV-4	SV-5a or SvcV-5	SV-6 or SvcV-6	SV-7 or SvcV-7	StdV-1	StdV-2
IS-ICD (RDPs/CPs)	S		S						S					P		
CDD/CPD	S/P	S	S	S	S	S	P	P	S/P	P	P	P	S/P	P	P	P
Note 1	The Sponsor uses the OV-4 and OV-5a, required by Table D-1 for all capability requirement documents, together with the OV-2 and SV-2 to determine if the NR KPP is applicable. In cases where the Sponsor proposes that the NR KPP is not applicable, the OV-2 and SV-2 will be provided to the certification authority for review along with the other DODAF views submitted in accordance with Table D-1.															
Note 2	S: The Sponsor, or operational user/representative, is responsible for development of the architecture data. S/P: The Sponsor, or operational user/representative, works jointly with the program office (depending upon program stage), to develop the architecture data. P: The sponsor, or operational user/representative should obtain this architecture data from the program office. DOD Component may have additional architectural/regulatory requirements for CDDs/CPDs. (e.g. – HQDA requires the SV-10c, USMC requires the SV-3, etc.)															
Note 3	The technical portion of the StdV-1 and StdV-2 are built using the DODIN Technical Guidance-DISR standards profiling resources and, within six months of submitting JCIDS documentation, must be current and published for compliance. Use of non-mandated DISR standards in the StdV-1 must be approved by the PM or other duly designated Component official and documented by a waiver notification provided to the DOD CIO.															
Note 4	The DIV-3 must identify system elements that support access to the data source by the DOD enterprise, including Web Service Description Language registration information, service end point, and DOD Meta Data Registry namespace identification.															

8
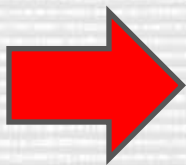
IMPACT ON SEs

- **Now responsible for directly supporting requirements community to develop DoDAF artifacts**
- **Opportunity to:**
  - Direct/control architecture
  - Implement Open Systems Architecture
  - Specify interface standards (StdV-1)

SUMMARY

- **JCIDS process includes program office participation**
- **SEs have opportunity to guide DoDAF development**
- **One architecture understood and followed by all**