EM[&] Engineering Management & Integration

Is There Order or Chaos After 5000?

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Is There Order or Chaos After 5000?

- 5000 is dead; Long live 5000!
- The Mandate for Change
- So, What has Changed?
- What Does it Mean to Tailor?
- Acquisition Life Cycle as an Integration Mechanism
- How to Help Apprentice Tailors
- Critical Success Factors
- Brave New World









2. APPLICABILITY

2.1. This Directive applies to the Office of the Secretary of Defense, the Military Departments, the Chairman of the Joint Chiefs of Staff, the Combatant Commands, Office of the

acquisition policy
 environment that fosters
 efficiency, flexibility,
 creativity, and innovation."

"revision to create an

"simplified and flexible management framework for translating mission needs and technology opportunities ...into stable, affordable, and well-managed acquisition programs..."

The Charges Against LCM

- DoD 5000 was "overly prescriptive" and an impediment to the "efficiency, creativity, and innovation" needed.
- It costs extra; It costs too much.
- It's done after the fact.
- It's not <u>really</u> required. Is it?
- Nobody does it; why do I have to?
- I already know how to do my job.
- It's documents. I hate documents.
- No one uses what it produces.
- It does not help the decision process.
- It does not contribute to my getting my job done.

• It's documentation for documentation's sake.



Renewed Emphasis

- Flexibility
- Evolutionary Development
- Integrated Architectures
- Tailoring the Acquisition Process
- Cost Realism
- Focus on Outcomes
- Enable Responsibility in Decisions

Acquisition Management Framework



Requirements & Acquisition Process





- Stealth resistance to change
- Inflexible flexibility
- "Opening the door to fraud, waste, and abuse"
- Buy the COTS, then find the reason
- "This, too, shall pass..."



 and, the worst danger of all: staying the same

> Counterpoint: Education reduces Risk

Coping with Change

Is it okay if your ICD and CDD looks like a MNS and ORD?





- "MDAs and program managers shall tailor various aspects of the acquisition system, including
 - program information,
 acquisition phases,
 - the timing and scope of decision reviews,
 - decision levels, and



acquisition strategies

to fit the particular conditions of an individual program and minimize the time it takes to satisfy the validated need or exploit the technology opportunity,

consistent with common sense, sound business management practice, applicable laws and regulations, and the time-sensitive nature of the user's requirement."

Unseamly Tailoring



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- Having a Pattern to follow, one can:
 - adjust the size,
 - fit the nature of a different fabric,
 - add trim and appearance features,
 - alter sections to fit different needs,
 - reuse styles and techniques
- and still be following the Pattern!



Tailoring

- Not haphazard; It is an organized process.
- Recording and justifying decisions whether procedures stay of go in steamlining
- Identifying substitutes and constraints
- Ensuring flexibility, speed, and accountability
- Making adjustments for
 - Implementation strategy
 - Complexity
 - Oversight requirements
 - Cost range
 - Technical risk
 - Management tolerance for risk



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DFAS System Life Cycle

System Acquisition



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Understanding Management Decisions





SLC Web Resources

	SYSTEM SECURITY AUTHORIZA	TION AGREEMENT	www.dfa	www.dfas.mil			
The System Security Authorization Agreement (SSA) Release 6.0 formal agreement between the Designated Appro System authority (CA), the Program Manager (PM), and the System in the Detailed Costs. In a table simila you n Cycle Cost Estimate (LCCE) or a you n year versus actual expenditures not b current and fiture years). Cost a to M any changes from the IPR brief.			SYSTEM LIFE CYCLE May 17, 2002 m Life Cycle (SLC) Structure Standard Process View) ion Review and Improvement ument Initial Requirements Business Process		 process task details briefing guidance templates 		
	Cost Category Y PMO Operations Requirements Gathering/Analysis Information Assurance TSO Cost COTS Product Buy/Support Technication	Analysis Establish Cus Mission Need Es Establish Miss Milestone Reviev Conduct Miles Actual	se 6.0 SY: Define Operational Requirements e: Concept and Technology Devel	STEM LIFE CYCLE	May 17, 2002		
NOTI accor 5000.	Network Infrastructure (DISA) Development Testing Operational Test and Evaluation Maintenance Total	Concept and Techn Program Plannin Appoint Progra Perform COTS Perform COTS Analyze Acouit Determine Acc	ss Area: Requirements Develop gement Responsibility: Busines Level: Enterprise, Application sk Name: Define Operational Rec	ment and Management s Line Executive, Produ quirements	ct Line Executive		
requi stand progr	In a table similar to below, list n dates, and either their actual con revised completion date. Mileston Milestone Orig Remisements Analysis	ar to below, list n Determine Life 2. Purpose: Define the operational concept for a new system. Define the high-level objective for the system, the type of data to be processed, the users to be supported, the initial operational support requirement, and the operational performance parameters. ae Orig Determine Internet Propose: Define the operational concept for a new system. Define the high-level objective for the system, the type of data to be processed, the users to be supported, the initial operational support requirement, and the operational performance parameters. ae Orig Determine Internet Propose: Determine In					
and J finich system starth shoul know	Milestone B Development – Release 1 DT&E – Release 1 Development – Release 2 DT&E – Release 2 Milestone C OT&E	Prepare Cost / Perform Funds Estimate Life (a.) Perform Econo Establish Data Establish Test 5. Ent Establish Risk Develop Program and	Chairman of the Joint Chiefs of St (Operational Requirements Docur trance Criteria:	taff Instruction (CJCSI) 3 ment Generation))	170.01B (see Enclosure E		
task 1 prepa conte	IOC FOC Deployment schedule. Identify w users in what releases. Consider . This is updated from the Milestone	Develop Podri S. 1 Develop Budg b. 3 Establish/Main Perform Relea 6. Pro Plan Clinger-C Manage Progr a. 1 Establish Prog b. 1	Operational Requirements Docum ocedures: Establish a Requirements Integral Define the operational capability	word) nent (ORD) Standard (W ted Product Team (RIPT	ord) D		
EM& 28 Ja		Manage Progr. C. I Operational Req. d. I Define Operati e. I System Requirer f. I Identify User/C f. I Prepare C4LS 9. I	Define the threat (e.g., fraud, secu- Identify shortcomings of existing a Determine capabilities required for Determine required program supp Identify force structure impacts (e	urity) systems ir the system cort .g., transition, installation	n, deployment, and training)	Chikofsky - 19	



SLC Views

Release 6.0	SYSTEM LIFE CYCLE	May 17, 2002				
	Information Assurance Only Process Area View	/		. <i></i> .		
This list shows the phases an Information Assurance proces cycle structure with the Inform	ind activities of the life cycle structure and the tasks for the ess area (<u>highlighted and underlined</u>). To view the entire life mation Assurance tasks highlighted, select "Entire SLC Structure"			Views by:		
below:	Delasa 6.0		May 17, 2002	- Process area		
Pre-Systems Acquis Business Process Milestone Review Milestone Review	Ins Acquis Ins Acquis Is Process Need Est Practitioner View Practitioner View			- Job role		
Concept and Techno Program Planning Operational Requ System Requirem	This list shows the phases Assurance Analyst role (<u>hic</u> with the Quality Assurance	and activities of the life cycle structure a <u>inhighted and underlined</u>). To view th Analyst tasks highlighted, select "Entire <u>Entire SLC Structure</u>	- Management			
Define Informa Repeatable) System Architectu Define and Est Information Assu	Pre-Systems Acqui Business Proce Mission Need Es Milestone Revier	responsibility				
Conduct DITS(Milestone Review	Concept and Techr Program Plannir Establish Pro					
System Developmen Program Planning <u>Develop Contin</u> Technical Project	Operational Req System Require Perform Syst					
Test Planning System Developm	System Archited Information Ass Milestone Revie					
Develop Purchase/Cu	System Developme Program Plannir Technical Projec					
Deployment Plan Establish Cont Developmental Te	System Develop					
Operational Test 4 Information Assu <u>Conduct DITS0</u> <u>Conduct DITS0</u>	Develop Perform Establish	Application Development - *2 Allocated Baseline - *3		www.dfoo.mil		
Configuration Ma Milestone Review	Perform Perform Purchase/C	SOA Audit of Product SOA Review of Process ustomize/Integrate		> Poforonoo Library		
Production and Depl Information Assu	Establish Perform Perform	1 Allocated Baseline - *3 SQA Audit of Product SQA Review of Process		 Reference Library Process Asset Library 		
Deployment and 8 Operation and Pe	Deployment Pla Developmental 1	,	> System Life Cycle			
I&I January 2003	Conduct Test Readiness Review (Release Repeatable) Operational Test and Evaluation Conduct Test Readiness Review (Release Repeatable)			Chikofsky		

Help for the Apprentice Tailors

- Levels of acquisition process tailoring
 - Agency / MDA
 - Program
- Education
 - What it means to tailor
 - Rewards and risks of tailoring decisions
- Tools for the pattern
- Easy ways to record tailoring decisions
- Making tools accessible and tailorable to program management
- Tailored Acquisition Process reviews

- Visibility
- Recording tailoring decisions
- Consistency
- Accessibility
- Recognizing acquisition and sustainment as part of the same process
- Focused user involvement
- Understanding requirements, whenever recognized in the acquisition process
- Empower to manage, not to avoid risk



Stay tuned...

the DoD 5000 revisions, and our understanding of them, are a work in progress...

