



Networks and Information Integration OIPT Leader Feedback

**John Landon
DASD(C3ISR & IT Acquisition)**



Legislative Changes

FY07 NDAA

- Section 816 – MAIS Programs
- Section 811 – Time-Certain Development for DoD IT Business Systems

FY06 NDAA

- Section 801 – Requirement for Certification Before Major Defense Acquisition Program (MDAP) May Proceed To Milestone B
- Section 802 – Requirements Applicable to MDAPs Exceeding Baseline Costs
- Section 806 – Congressional Notification of Cancellation of MAIS
- Section 812 – Acquisition of Services





Legislative Changes

FY07 NDAA

Section 816 – MAIS Programs

- Section 811 – Time-Certain Development for DoD IT Business Systems

FY06 NDAA

- Section 801 – Requirement for Certification Before Major Defense Acquisition Program (MDAP) May Proceed To Milestone B
- Section 802 – Requirements Applicable to MDAPs Exceeding Baseline Costs
- Section 806 – Congressional Notification of Cancellation of MAIS
- Section 812 – Acquisition of Services

MAIS definition codified in statute

- Includes a “service” as a MAIS, but only if it is for the acquisition of an AIS

Requires annual SAR-like report starting with the FY09 budget

Program Manager must submit quarterly written reports disclosing variances

Requires Nunn-McCurdy-like reporting when breaches occur



Legislative Changes

❑ FY07 NDAA

- Section 816 – MAIS Programs
- **Section 811 – Time-Certain Development for DoD IT Business Systems**

❑ FY06 NDAA

- Section 801 – Requirement for Certification Before Major Defense Acquisition Program (MDAP) May Proceed To Milestone B
- Section 802 – Requirements Applicable to MDAPs Exceeding Baseline Costs
- Section 806 – Congressional Notification of Cancellation of MAIS
- Section 812 – Acquisition of Services

❑ For “IT business systems” MDA must determine system will achieve IOC in 5 years or less before granting Milestone A

❑ If system does not achieve IOC within 5 years, it is a “critical change in program,” i.e., Sec. 816 breach

❑ IT business system: “Any DoD IT business system that is not an NSS”

Note: This requirement is not limited to MAIS—applies to all business systems



Legislative Changes

- ❑ FY07 NDAA
 - Section 816 – MAIS Programs
 - Section 811 – Time-Certain Development for DoD IT Business Systems
- ❑ FY06 NDAA
 - **Section 801 – Requirement for Certification Before Major Defense Acquisition Program (MDAP) May Proceed To Milestone B**
 - Section 802 – Requirements Applicable to MDAPs Exceeding Baseline Costs
 - Section 806 – Congressional Notification of Cancellation of MAIS
 - Section 812 – Acquisition of Services

- ❑ **MDA must certify:**
 - **Technology demonstrated**
 - **High likelihood of accomplishing intended mission**
 - **Program is affordable with resources within FYDP**
 - **AoA completed**
 - **Program is affordable considering ability to accomplish mission using alternative systems**
 - **JROC has accomplished its duties with respect to the program**
 - **Complies with relevant policies, regulations, and directives**



Legislative Changes

❑ FY07 NDAA

- Section 816 – MAIS Programs
- Section 811 – Time-Certain Development for DoD IT Business Systems

❑ FY06 NDAA

- Section 801 – Requirement for Certification Before Major Defense Acquisition Program (MDAP) May Proceed To Milestone B

▪ **Section 802 – Requirements Applicable to MDAPs Exceeding Baseline Costs**

- Section 806 – Congressional Notification of Cancellation of MAIS
- Section 812 – Acquisition of Services

Provides statutory definition for Nunn-McCurdy breaches:

❑ **Significant Cost Growth**

- **15% Increase in Program Acquisition Unit Cost – Current Baseline**
- **30% Increase in Program Acquisition Unit Cost – Original Baseline**

❑ **Critical Cost growth**

- **25% Increase in Program Acquisition Unit Cost – Current Baseline**
- **50% Increase in Program Acquisition Unit Cost – Original Baseline**



Legislative Changes

FY07 NDAA

- Section 816 – MAIS Programs
- Section 811 – Time-Certain Development for DoD IT Business Systems

FY06 NDAA

- Section 801 – Requirement for Certification Before Major Defense Acquisition Program (MDAP) May Proceed To Milestone B
- Section 802 – Requirements Applicable to MDAPs Exceeding Baseline Costs

Section 806 – Congressional Notification of Cancellation of MAIS

- Section 812 – Acquisition of Services

SecDef must notify Congress before:

- **Canceling a MAIS that has been fielded or approved to be**
- **Making a change that will significantly reduce the scope of a program that has been fielded or approved to be**

Notification shall include:

- **Specific justification**
- **Impact**
- **Steps to achieve program objectives**
- **Other info relevant to change in Acquisition Strategy**



Legislative Changes

FY07 NDAA

- Section 816 – MAIS Programs
- Section 811 – Time-Certain Development for DoD IT Business Systems

FY06 NDAA

- Section 801 – Requirement for Certification Before Major Defense Acquisition Program (MDAP) May Proceed To Milestone B
- Section 802 – Requirements Applicable to MDAPs Exceeding Baseline Costs
- Section 806 – Congressional Notification of Cancellation of MAIS
- **Section 812 – Acquisition of Services**

Requires management structure analogous to that used for weapon systems

Phased implementation thru October 2009

Establishes categories for review levels, decision authorities and procedures

- **Estimated values \geq \$250M;**
- **\geq \$10M and $<$ \$250M;**
- **$>$ \$100K and $<$ \$10M**

Designates Senior Officials & outlines duties

- **SAEs for the Military Department**
- **USD(AT&L) for DoD Components outside the Military Departments**

Implementing policy memo at <http://www.acq.osd.mil/dpap/policy/policyvault/2006-3064-ATL.pdf>



Legislative Changes

❑ FY07 NDAA

- Section 816 – MAIS Programs
- Section 811 – Time-Certain Development for DoD IT Business Systems

❑ FY06 NDAA

- Section 801 – Requirement for Certification Before Major Defense Acquisition Program (MDAP) May Proceed To Milestone B
- Section 802 – Requirements Applicable to MDAPs Exceeding Baseline Costs
- Section 806 – Congressional Notification of Cancellation of MAIS
- Section 812 – Acquisition of Services



Lack of Confidence in Program Execution



Net Centric Considerations and Impact on Acquisition

- Net Ready Key Performance Parameter (KPP) and Key Interface Profiles (KIPs)**
 - CJCSI 3170.01, Joint Capabilities Integration And Development System
 - CJCSI 6212.01, Interoperability and Supportability Of Information Technology And National Security Systems
- Communities of Interest (COIs) for Data Sharing**
 - DoD 8320.02-G, Guidance for Implementing Net-Centric Data Sharing -- <http://www.dod.mil/cio-nii/datastrat/index.shtml>
- Data Strategy (Tagging for Discovery)**
 - DoDD 8320.2, Data Sharing in a Net-Centric Department of Defense
- Government-wide emphasis on Information Assurance**
- Service Oriented Architectures (vice interfaces)**

New Demands on Program Designs



Insight Into Program Execution

Integrated Master Schedule and Critical Path

Execution Metrics

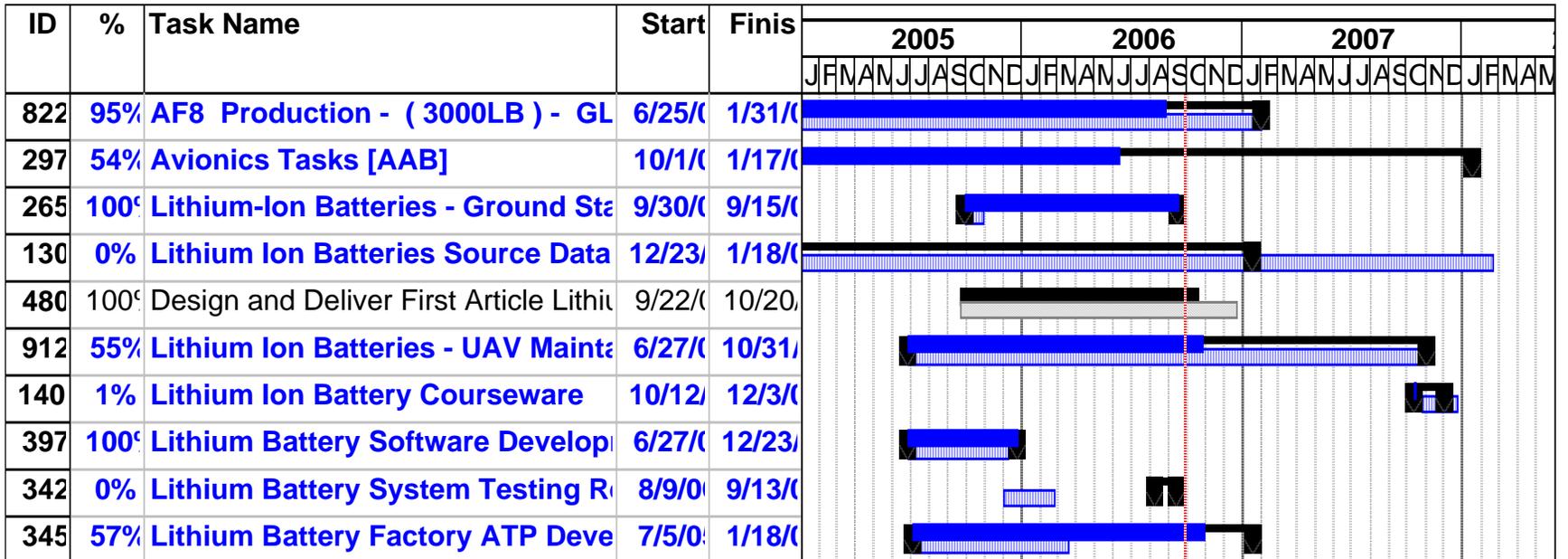
Risk Management

Communicate Your Program Execution



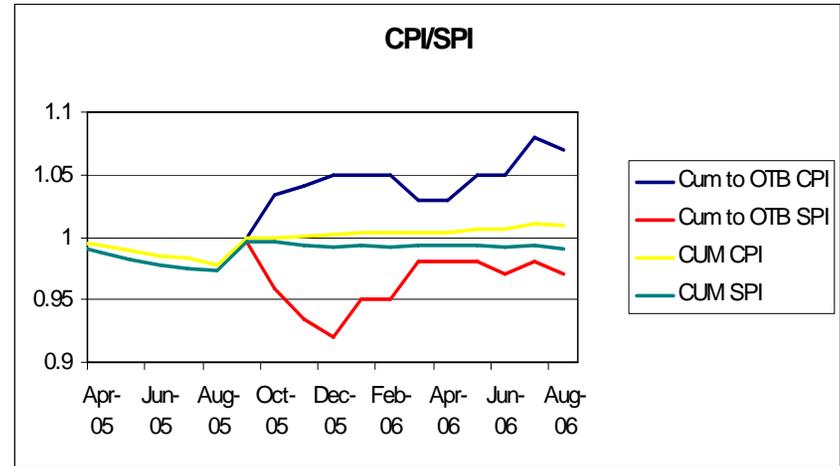
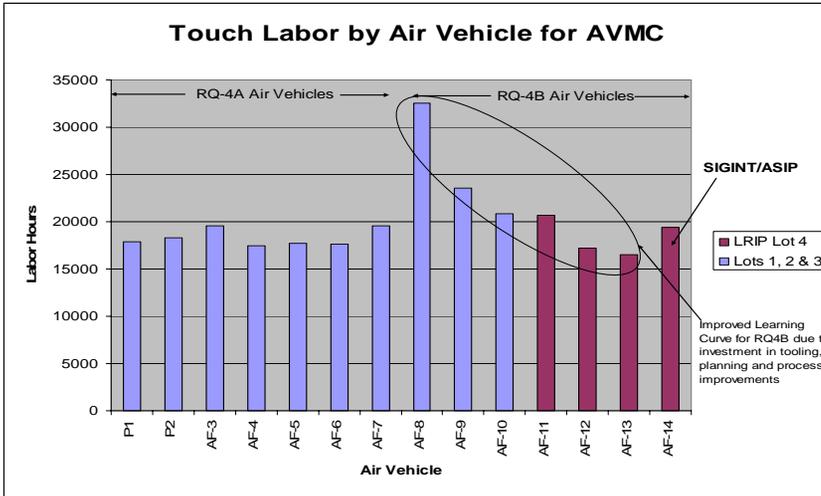
Integrated Master Schedule & Critical Path

M/E SEPTEMBER 2006 SPIRAL 3		CUM TO DATE FROM OTB					CONTRACT CUM TO DATE				
SPIRAL 3 Projects		BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
		OTB CUM TO DATE					CONTRACT CUM TO DATE				
		BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
Lithium Ion Battery - Phase 1											
Labor		414,632	360,305	413,860	(54,327)	(53,554)	961,372	907,045	960,599	(54,327)	(53,554)
Material		312,963	325,335	296,145	12,372	29,189	732,193	744,565	715,376	12,372	29,189
NRE Total		727,595	685,640	710,005	(41,955)	(24,365)	1,693,565	1,651,610	1,675,975	(41,955)	(24,365)
UB											
MR											
SEPM Allocation		787,091	803,990	796,063	16,898	7,927	1,476,761	1,492,465	1,486,079	15,704	6,385
ILS Allocation		86,870	78,867	77,765	(8,003)	1,102	495,408	487,449	489,035	(7,960)	(1,587)
Total Lithium Ion Battery - Phase 1		1,601,557	1,568,497	1,583,833	(33,060)	(15,336)	3,665,734	3,631,524	3,651,090	(34,211)	(19,566)
Labor and Material Broken Out by IPT											
AXX	Avionics	620,035	617,281	617,870	(2,755)	(589)	1,394,100	1,391,345	1,391,934	(2,755)	(589)
FXX	Software	35,760	35,760	20,137	(0)	15,623	56,128	56,128	40,505	(0)	15,623
GXX	Ground Segment	15,275	15,368	59,869	93	(44,501)	20,342	20,436	64,937	93	(44,501)
HXX	Air Vehicle	17,232	17,232	12,130	(0)	5,103	180,787	180,787	175,684	0	5,103
TXX	Test	39,293	-	-	(39,293)	-	42,207	2,914	2,914	(39,293)	-
NRE Total		727,595	685,640	710,005	(41,954)	(24,365)	1,693,565	1,651,610	1,675,975	(41,955)	(24,365)





Program Execution Metrics & Risk Management



Probability of Occurrence (Pf)	Consequence of Occurrence (Cf)				
	Negligible 1	Minor 2	Moderate 3	Serious 4	Critical 5
5 91-100%	Yellow	Yellow	Red	Red	Red
4 61-90%	Green	Green	Yellow	Red	Red
3 41-60%	Green	Green	Yellow	Yellow	Red
2 11-40%	Green	Green	Green	Yellow	Yellow
1 0-10%	Green	Green	Green	Green	Green

Ref.	Title	Team
1.	EERU Stabilization	Payloads
2.	Enhanced ERU Focus Control	Payloads
3.	EISS Asset Availability for Multiple Program Requirements	Payloads
4.	EISS SAR Antenna Position Impact to ASIP Payload	Payloads
5.	Lack of Block 20 Ballast	Air Vehicle
6.	Lack of spares by mission need date	Product Support
7.	RFC Software Quality Improvement	Ground Segment
8.	RQ-4B VTail Box Spar Productivity	Air Vehicle
9.	RQ-4B Endurance due to ASIP Payload Weight Growth	Payloads
10.	RQ-4A/B System EMIC (EMI/EMC) Performance and Control Plans Will Not Be Accomplished	SEIT
11.	MP-RTIP Bandwidth and Product Storage	SEIT
12.	Avionics IPT Communications Skill Staffing Shortage	Avionics/Comms
13.	Frequency allocation approval for Basic ISS SAR (DD1494)	Payloads
14.	DGPS Navigational Performance - OmniStar and SCAT-1	Avionics/Comms
15.	MP-RTIP Production Readiness for AF-18 Cut-in	Production

UNCLASSIFIED

Risk Assessment Summary

Title
EERU Stabilization

Requirement
Enhanced ISS EMD flight test required before Enhanced ISS Production deliveries. Correct stabilization necessary to meet ORD NIIRS requirement

Risk Element (Statement)
If issues (specifically ERU Stabilization) are identified during flight test with the EMD unit, then no time exists to correct these issues in the Production deliveries causing LRIP deliveries and subsequent DD-250 to be substantially delayed.

Probability
5 - Somewhat to very likely (91-100%).

Consequence
Problems will not be identified in a timely manner. Lack of resources will result in longer testing or lesser quality units delivered and entering IOT&E. Production deliveries will be delayed and costs will overrun due to required retrofit of LRIP units. Problems will not be identified in a timely manner. Lack of resources will result in longer planned test or lesser quality units being delivered and entering IOT&E. Inability to resolve stabilization integration issues will delay FCA flights. Technical: Incorrect/not optimized stabilization will result in image artifacts that will severely to critically impact image quality.

Program Phase: EMD 2B
Team: Payloads
Customer Owner: Kelton, Mike Maj.
NGC Owner: Scheurer, Don
Customer POC: Price, John
NGC POC: Stokes, Jeff

Phone: 937-255-4374
Phone: 858-618-2565
Phone: 937-255-6465
Phone: 858-618-5372

Category	Prob	Cons	Level
	Tech	5	5

766.5 Consequence of Occurrence (Cf)

Probability of Occurrence (Pf)	Consequence of Occurrence (Cf)				
	Negligible 1	Minor 2	Moderate 3	Serious 4	Critical 5
5 91-100%	Yellow	Yellow	Red	Red	Red
4 61-90%	Green	Green	Yellow	Red	Red
3 41-60%	Green	Green	Yellow	Yellow	Red
2 11-40%	Green	Green	Green	Yellow	Yellow
1 0-10%	Green	Green	Green	Green	Green

UNCLASSIFIED

Communicate Your Program Execution



References

- ❑ **Acquisition Community Connection**
 - <https://acc.dau.mil>
- ❑ **AT&L policy memo, 10 U.S.C. 2366a Certifications**
 - <http://www.acq.osd.mil/dpap/policy/policyvault/2006-1061-AT.pdf>
- ❑ **AT&L policy memo, Acquisition of Services**
 - <http://www.acq.osd.mil/dpap/policy/policyvault/2006-3064-ATL.pdf>
- ❑ **CJCSI 3170.01, Joint Capabilities Integration And Development System**
 - http://www.dtic.mil/cjcs_directives/cdata/unlimit/3170_01.pdf
- ❑ **CJCSI 6212.01, Interoperability and Supportability Of Information Technology And National Security Systems**
 - http://www.dtic.mil/cjcs_directives/cdata/unlimit/6212_01.pdf
- ❑ **Net Centric Data Strategy**
 - <http://www.dod.mil/cio-nii/datastrat/index.shtml>
- ❑ **Defense Acquisition Guidebook**
 - <http://akss.dau.mil/dag/>



NII Sponsored Breakout Session #1 Net Ready KPP: A Practical Approach

A Joint Staff J-6 and Networks Information Integration collaborative presentation covers the NR KPP and the Information Support Plan.

The J-6 will provide the basic construct of the NR KPP and how it benefits today's war-fighter and the evolution to net centric operations.

NII will discuss a new data centric approach to gathering ISP information. The new ISP approach focuses the effort on analysis of the information-related aspects of the war-fighting or business processes that an acquisition program will support. The goal of this approach is to:

- 1) reduce the development cost associated with the NR-KPP and the ISP
- 2) improve accessibility and reusability of the ISP data, and
- 3) focus the ISP and NR-KPP effort on analysis of the most relevant aspects of information supportability.

Col Brian Hamilton JS J-6

Roger Thorstenson NII-DoD CIO



NII Sponsored Breakout Session #2 Capability Portfolio Management (CPM)

Provides an update on the Joint Network Operations (JNO) Capability Portfolio as one of several joint management test cases.

Significant time is allocated that invites Q&A and discussion on effective ways in which Services, Agencies, PEOs and PMs can engage with Capability Portfolio Managers and associated executive governance bodies.

The update will recap the JNO CPM mission, portfolio scope, governance context (e.g. C2CIB), portfolio POM08 Assessment approach and impact of JNO in the POM08 program review, highlights from DepSECDEF CPM Memo, preliminary lessons learned, and projected way ahead in FY07.

Dr Troy Meink

NII-DoD CIO

Phil Minor

NII-DoD CIO