

National Security Space

Vigilant – Agile – Preeminent

NSS Acquisition Policy 03-01 Update and Process Brief



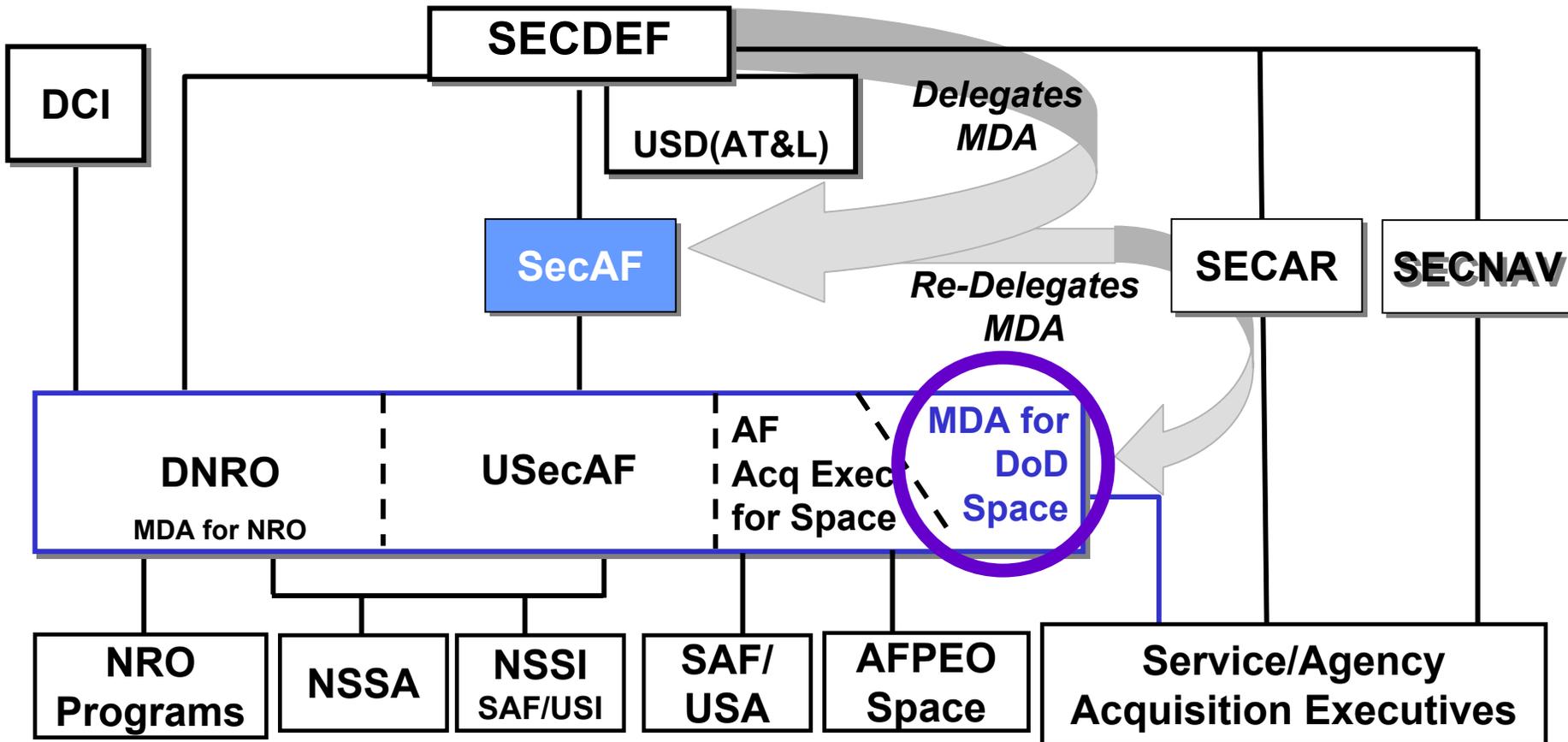
***Lt Col Leslie Blackham, USAF, SAF/USA
16-18 Dec 03***

Agenda

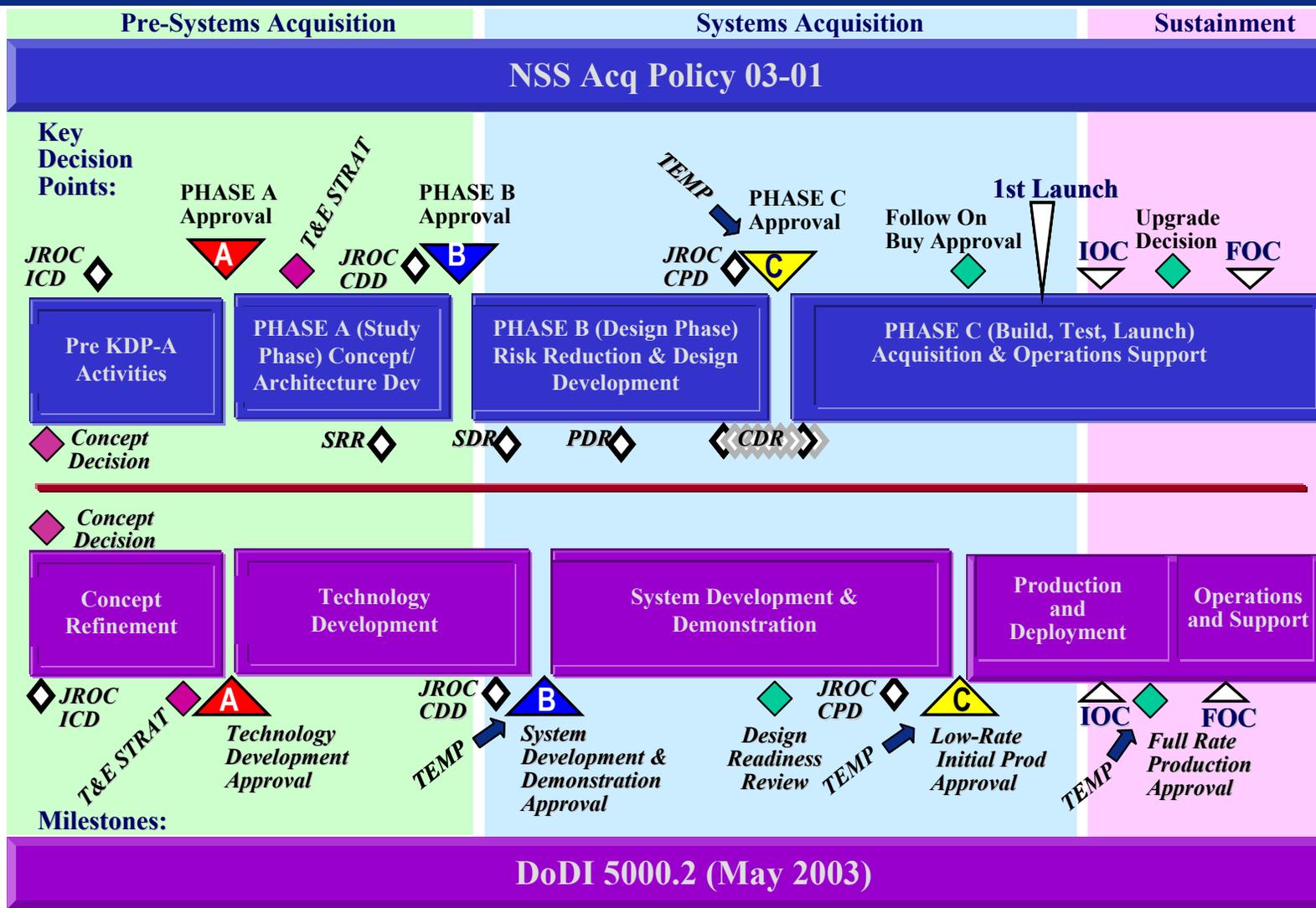
- **Policy Overview**
- **What is different**
- **DSAB Process**
- **Roles and Responsibilities**
- **Frequently Asked Questions**

Policy Overview

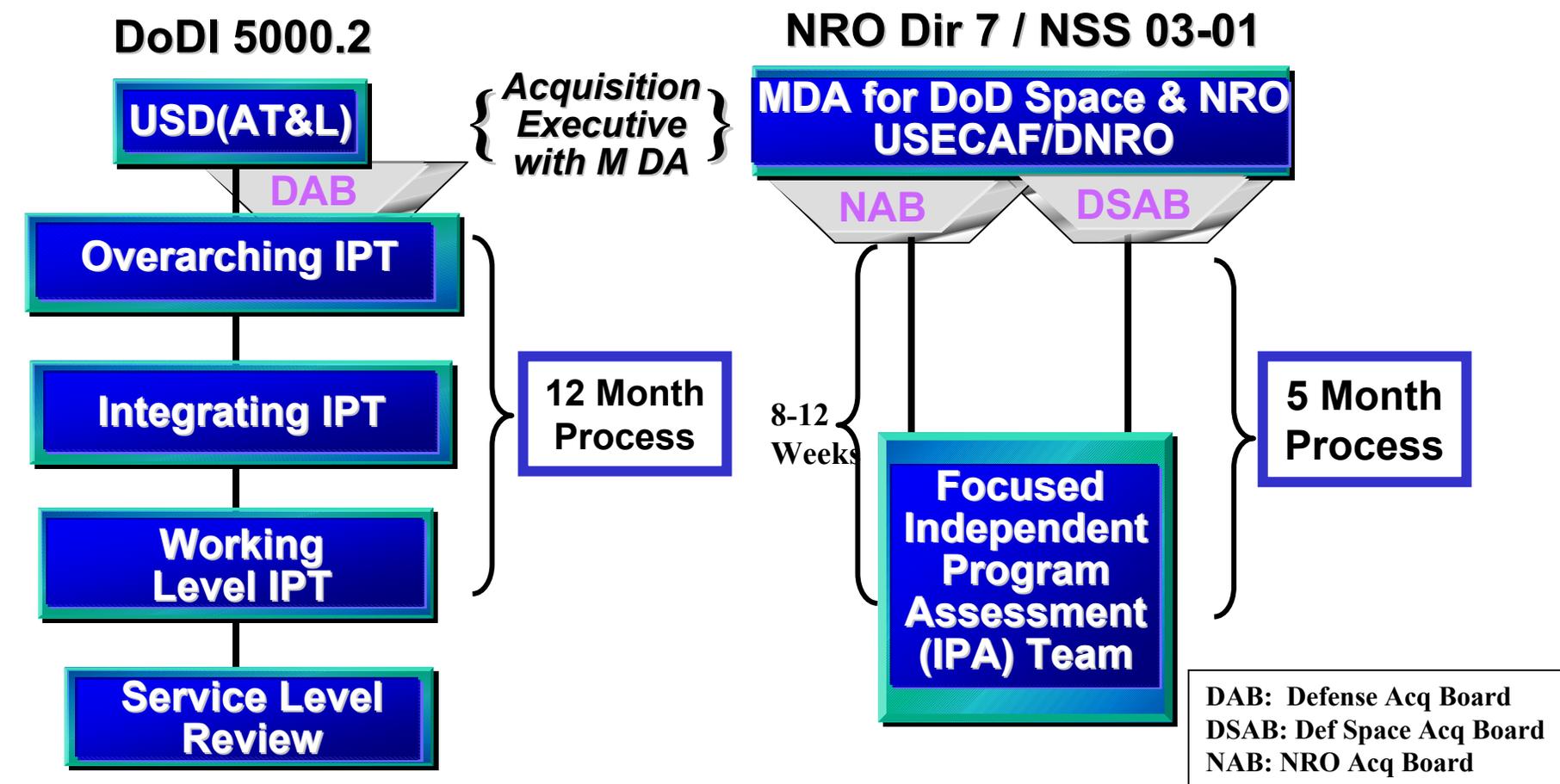
USECAF/DNRO MDA for National Security Space (NSS)



Tailored Process for Space: Acquisition Phase Comparison



Reduces Acquisition Decision Cycle Time



Key difference is length of review process not the depth

Improve Probability of Success

New NSS Acq Process:

- **Conducts timely, focused independent program assessments before proceeding into next acq phase via:**
 - **Independent Program Assessment Team (IPAT) process**
 - **OSD CAIG to lead ICA/ICE process as part of IPA**
 - **ICAT members will include AF, Army, Navy and NRO**

- **Defense Space Acquisition Board (DSAB)**
 - **One decision maker, open – inclusive process and discussion**
 - **Extends to acquisition strategies, IPRs, etc.**

NSS Acquisition Policy 03-01

- **4 Mar 03 NSS Acq Policy 03-01 Interim Guidance issued**
- **March – Sept 03 Policy reviewed by OSD, Joint Staff, Services, NRO -- Comment disposition, update completed**
- **6 Oct 03 NSS Acq Policy 03-01 Signed**
- **Next Steps**
 - **“Living Document”**
 - **Guidebook in work -- addresses process details**
 - **Educate the National Security Space community**

What is different with NSS 03-01?

What's Different?

- **New Acquisition Model tailored for space systems:**
 - **Emphasis is on development and launch vs O&M costs**
- **Acquisition Phase Reviews in NSS 03-01:**
 - **Key Decision Points vs Milestones**
 - **Earlier in process**
 - **Different entry/exit criteria**
- **Acquisition Phases Different**
 - **Concept/Architecture Development vs Technology Development**
 - **Risk Reduction & Design Development vs System Development & Demonstration**
 - **Acquisition & Operations Support versus Production and Deployment**

Acquisition Categories and Milestone Decision Authority

	Non-Space Programs		Space Programs
Classification	Sub-Designation	MDA	MDA
MDAP Greater than \$365M RDT&E \$2.19B Proc	ACAT ID	USD(AT&L)	USecAF
	ACAT IC	SAF/AQ as delegated by SecAF	
MAIS	ACAT IAM	ASD(NII)/DoD CIO	
	ACAT IAC	AF CIO as delegated by DoD CIO	
Major System Greater than \$140M RDT&E \$660M Proc	ACAT II	SAF/AQ	AFPEO/SP
Non-major System (Space – Minor) Less than \$140M \$660M Proc	ACAT III	AFPEO, DAC, or lower	
Technology projects	ATDs, ACTDs, joint warfighting experiments, concept refinement	USD(AT&L) or ASD(NII)/DoD CIO or SAF/AQ	

Acquisition Phase Name Comparison

<u>Very Old 5000</u>	<u>Old 5000</u>	<u>New 5000</u>	<u>NSS 03-01</u>
MS 0 Concept Exploration	MS A Concept and Technology Development	Pre Acquisition Activities Rqmts Document, CONOP, AoA report	Pre KDP Activities Rqmts Document, CONOP, AoA report
MS 1 Prog Def & Risk Reduction	DAE Review Approves start of Component Adv Dev	MS A Technology Development Phase	KDP-A Study Phase (Ends with SRR)
			KDP-B (Prog Initiation) Design Phase (SDR, PDR & *CDR)
MS II Engineering and Manf Dev	MS B (Prog Initiation) System Dev and Demonstration	MS B (Prog Initiation) System Dev and Demonstration (Starts Sys Integ Sub-phase)	
	DAE Review	Mid-Phase Design Readiness Review (Starts System Demonstration Sub- Phase)	KDP-C Build Phase (*CDR, build, test launch, support
LRIP Decision	MS C (LRIP Decision) Prod & Deployment Phase	MS C (LRIP Decision) Prod & Deployment Phase	“Follow-on Buy” or LRIP decision as appropriate
MS III Full-Rate Production Decision	DAE Review Full Rate Prod Decision	MDA Review Full Rate Production Decision	Major Upgrade Decision or Full-Rate Production decision as appropriate

What's Different

- **Coordination/Approval Levels**
 - **Read Enclosure 3**
- **When documents/plans are due for Key Decision Points**
 - **T&E Strategy, TEMP, C4ISP different between NSS 03-01 and DoDI 5000.2**

What's Not Different

- **Key Documentation: ICD, CDD, APB, TEMP, T&E Strategy, C4ISP**
- **Requirements Process: CJCSI 3170.01**
- **Emphasis on Decision Cycle Time Reduction & Evolutionary Acquisition to field more capable systems faster**
- **The need to do the following as part of the Acquisition Process**
 - **Consider technology from gov't labs as well as industry**
 - **Conduct market research & analysis of multiple concepts**
 - **Perform Independent technology assessments**
 - **Provide a program protection plan**

What's the Same

■ Flexibility

DoDD 5000.1 “Flexibility. There is no one way to structure an acquisition program to accomplish the objective of the Defense Acquisition System. MDAs and PMs shall tailor”

NSS 03-01 “Flexible: The “model” acquisition processed outlined in this document should be tailored to properly fit the circumstances of each NSS program.”

■ Discipline

“DoDD 5000.1 “Discipline. PMs shall manage programs consistent with statute ... Approved program baseline parameters shall serve as control objectives.”

“NSS 03-01 “Disciplined: All parties to this space acquisition policy must exercise the discipline necessary to achieve its goals...”

***Flexibility Combined with Discipline
Essential to Success***

KDP Checklist / NSS Acquisition Phases

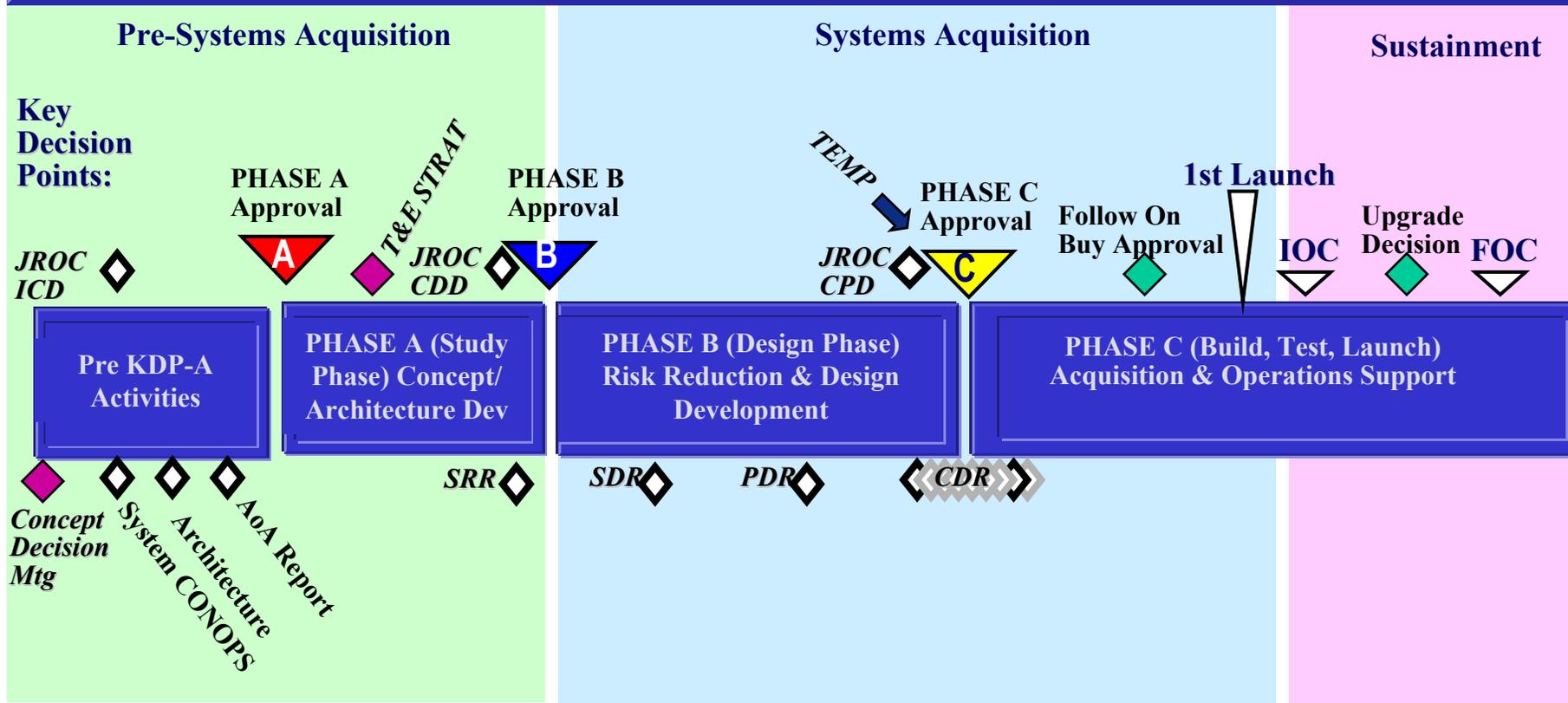
- **Prior to KDP-A:**
 - User Provides: Valid ICD, AoA Report, Systems-Level CONOPS, OV Architecture
 - SPO Provides: IPS, MDA Approved Acq Strategy, Draft ADM
 - **MDA Approval at KDP-A authorizes entry into PHASE A / “Study Phase” for Concept and Architecture Development**

 - **Prior to KDP-B:**
 - User Provides: Valid CDD, updated System-Level CONOPS & OV Architecture
 - SPO Provides: IPS, MDA Approved Acq Strategy, Draft ADM, Draft APB, SRR, Technology Assessment, updated OV Architecture, OT&E Approved T&E Strategy
 - **MDA Approval at KDP-B authorizes entry into PHASE B / “Design Phase” for Risk Reduction and Design Development**

 - **Prior to KDP-C:**
 - User Provides: Valid CPD, updated System-Level OV Architecture
 - SPO Provides : IPS, MDA Approved Acq Strategy, Draft ADM, Draft APB, OT&E Approved TEMP
 - **MDA Approval at KDP-C authorizes entry into PHASE C / “Build Phase” for Acquisition (i.e., Build, Test, Launch) and Support to Operations**
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Defense Space Acquisition Board (DSAB) Process

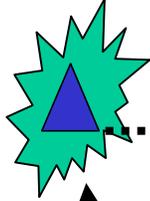
Small Quantity Acquisition Phase Model -- NSS Acq Policy 03-01



Notional Timeline

**SPO & OSD CAIG POC
Develop ICA Data
For KDP-As**

Program
'Conception'



weeks
to
months

**DSAB Rqst
Ltr Rec'd**

ICA Start

DAY 15

90 Days

ICAT Does Cost Estimate

IPA Builds
DSAB Brief

**Cost Data
Gathering & Analysis
Planning Meeting**

DAY 1

DAY 10

**DSAB
Plan
Mtg**

ICA Team

**IPA Readiness
Review**

DAY 60

2
wks

2 to 4
wks

4
wks

**DSAB
DAY140**

12 to 18
months

IPA Team

**IPA
Start**

**IPA
Ends**
DAY 75 DAY 105

Prog Office

SPO builds IPS

60 Days

**SPO & OSD CAIG POC
Develop ICE Data
For KDP-B & KDP-C**

DSAB Process

DSAB Initiation

- SPDs/PMs written request initiates DSAB process
 - First Assess – “Are you ready?”
 - “Has your FAR-compliant acquisition strategy been approved by MDA?”
- Request sent through the PEO or CAE to the DoD Space MDA
- Requests should typically be made a minimum of five months prior to desired DSAB date

DSAB Request Letter

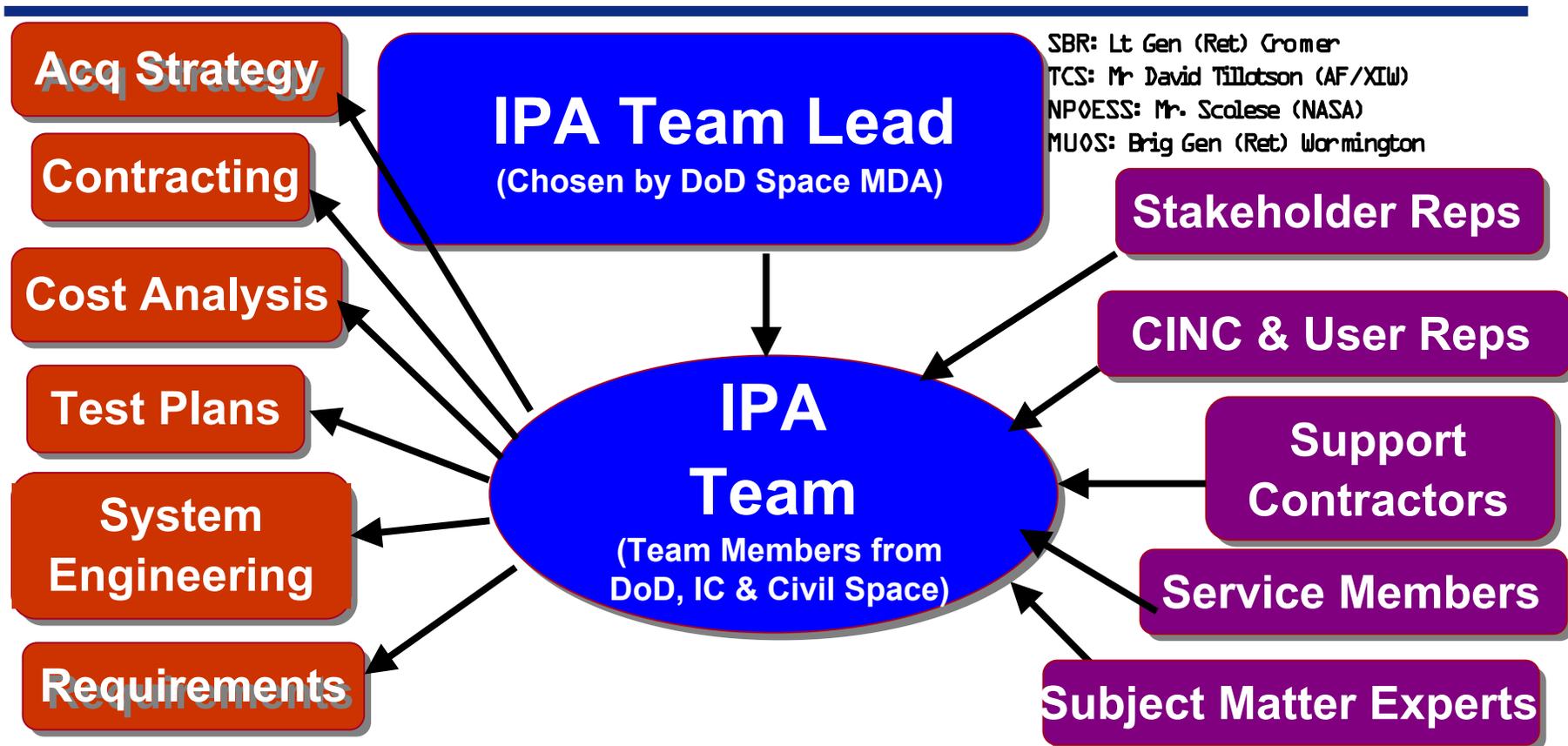
- DSAB request letter shall include: a) program name, b) desired DSAB date, c) KDP being met, d) identification of KDP pre-requisite checklist shortfalls
- PEO should provide DoD Space MDA with approved Space System Acquisition Strategy

DSAB Planning Mtg

DSAB Planning Meeting

- Prior to the DSAB Planning Meeting, the DSAB Executive Secretary, IPAT Leader, and ICAT Leader will meet with the DoD Space MDA to receive guidance for the IPA activity.
- DSAB Planning Meeting - typically 10 calendar days of receipt of a formal DSAB written request
- Purpose:
 - Review and tailor the DSAB review reqts of the IPS, IPA, and ICA items
 - The DSAB Executive Secretary, SPD/PM, IPA and ICAT leads, along with representatives from ASD(NII), DOT&E, J-8, STRATCOM, and NSSA discuss DoD Space MDA issues, concerns, and strategies;
- Content
 - Discuss recommendations to streamline the process based on each individual program's unique qualities
 - Discuss tentative dates for the ICA start, IPA Readiness Review meeting, actual IPA start, and DSAB
 - Discuss items required for IPA readiness review
- IPA Team selection occurs immediately after DSAB Planning Meeting
 - Team selection is critical and organizations must provide qualified members

IPA Team Composition & Review Areas



"The kind of review that the USecAF/DNRO would do personally if he had the time"

**Notional DSAB Invite List for AF Space MDAP*

USAF

SAF/AQ
SAF/FM
SAF/US(D)
SAF/GC
USAF/XO
USAF/XP
USAF/IL
USAF/XI
AFSPC/CC
AFMC/CC
AFPEO/SP
SAF/USI
SAF/USA

- * Tailored To Individual Program
- * Requires Empowered Participants

Mission Partners

DOC; NASA
NOAA; DOT

MDA for DoD Space

Stakeholders, Users, & Customers

USD(AT&L); USD(P); USD(C)
OSD(PA&E); Dir OT&E; ASD/NIJ;
USD(I); DDR&E; DDNRO; Dir NSSA
USec Army; Army /G8; SMDC/CC
USec Navy; Navy N7
Dir DARPA; VCJCS; JCS J8
USSTRATCOM
Navy Space Command

- MDA is the Single Point Decision Maker for DoD Space Acquisitions
- VCJCS is DSAB Co-Chair
- DSAB members make recommendations to the MDA

Roles & Responsibilities

SAF/USA/USI roles and responsibilities wrt DSAB process

- **SAF/USA owns the process**
 - **Writes/Interprets the policy**
 - **Coordinates and staffs key acquisition documents:**
 - **SSAS, APB, ADM, DAES, SAR, etc**
- **SAF/USA is USecAF staff for Component Acquisition Executive role**
 - **Monitors compliance with ADM direction**
 - **Tracks actions after the KDP-C**
- **SAF/USA PEMs are still the primary program liaison**
- **Others: AQR, AQC, AQX, GC still support USecAF in his role as CAE and MDA**

SAF/USA/USI roles and responsibilities wrt DSAB process

- **USI is DSAB Secretariat**
- **Implements the DSAB process**
 - Sets up the IPAs, process-related meetings, DSAB
 - SMC/AXD facilitates the IPAs for the DSABs & PSABs
- **Retains DSAB records**
- **Initial Activities**
 - Assists DoD Space MDA with nomination of potential IPAT leaders
 - Notifies Chairman, OSD CAIG, Vice Chairman of the Joint Chiefs of Staff, USSTRATCOM, ASD(NII), the Services, and those OSD, Joint Staff, and other entities who have an interest in the program
 - Identifies IPAT and ICAT Leaders
 - Establishes date for the DSAB Planning Meeting
- **Additional USI responsibilities**
 - Maintains USecAF's acquisition key events schedule

NSS 03-01 Points Of Contact

- **DSAB Executive Secretariat – SAF/USI National Security Space Integration**
 - **DSAB POC – Col Rouge**
 - John Crider (john.crider@pentagon.af.mil)
 - Mike Dwyer (michael.dwyer@pentagon.af.mil)
- **NSS 03-01 Policy – SAF/USA Director of Space Acquisitions**
 - **NSS 03-01 POC – LTC Leslie Blackham**
(leslie.blackham@pentagon.af.mil)
- **SMC DSAB facilitator – SMC/AXD**
 - **Facilitator – Maj Dave Tsui**
(david.tsui@losangeles.af.mil)
- **Web Page**
 - <http://www.safus.hq.af.mil/usa/usap/index.html>