Headquarters U.S. Air Force

Integrity - Service - Excellence

Middle Tier of Acquisitions (MTA)/Section 804 Acquisition Strategy Panel (ASP) Template

This template is for guidance and is not mandatory

Please refer to the notes section for valuable guidance

Rank, Name
Office Symbol
Date of Briefing
Version #
Updated: March 19

Additional MTA/SECT 804 Guidance/Information located at Secretariat SharePoint:
https://cs2.eis.af.mil/sites/10263/dir/integration/execution/Secretariat/Forms/AllItems.aspx

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Outline

- Bottom Line Up Front (BLUF)
- Program Structure
- Factors Shaping Strategy
- Acquisition Strategy
- Product Support Strategy
- Business Considerations
- System Engineering
- Test & Evaluation
- Guardrails
- Documentation Plan
- What Worries Me
- Recommendations
- Back-Up

ASPs scheduled for 1 hour
Goal should be to present ~30-35 charts

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Bottom Line Up Front

(Decisions Requested & Key Program Info)

- **Decisions Requested**
  - Approve Designation as MTA/Section 804
  - Approve Acquisition Strategy (see notes)
  - Approve Applicable delegations/waivers (e.g., Source Selection Authority)
- **Issues/Concerns**
  - List “show stoppers”
  - What are your concerns?

See Notes page for additional information

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Program Structure

Requirements/Direction

Using Organization(s):
Capabilities Document: (ICD, CDD, CPD)
Joint requirement:
FMS:
Technical Risk:
ADM:

Decision Authority

MDA:
PEO Program: (AFPEO/XX)
ACAT Level:
SSA:
Delegations: (SSA, ASP Chair, LCMP, etc)

Financial Data

Est. Contract Value (Pre-EMD):
Est. Total Program (qty):
Fund Type (Pre-EMD):
New Start (Congressional):

Strategy

Competitive or sole source:
Contract Type:
Estimated Contract Award:
Schedule: (MS A, MS B, IOC)

Program Schedule

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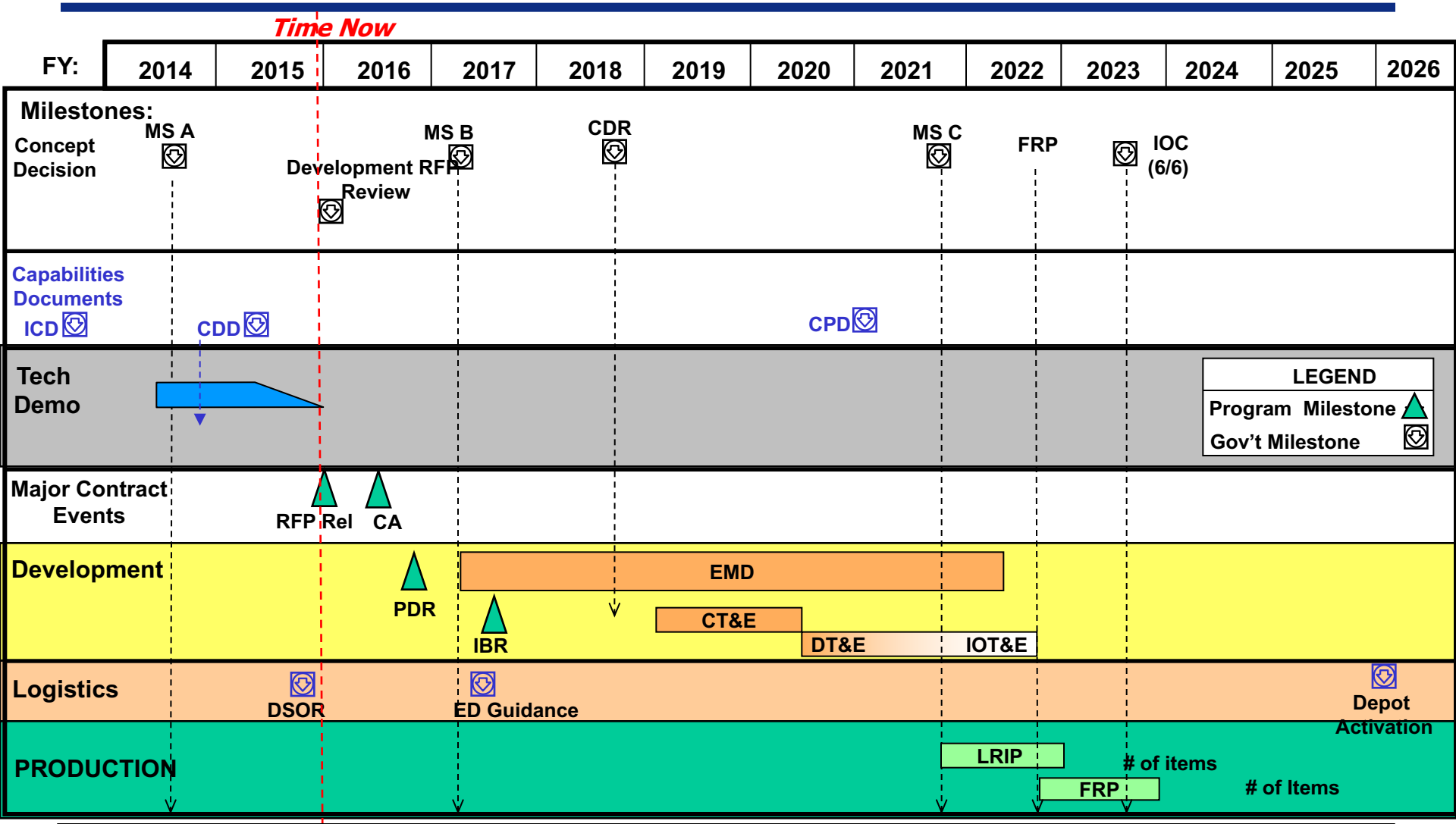

Discuss MTA/Sect 804 Transition Strategy

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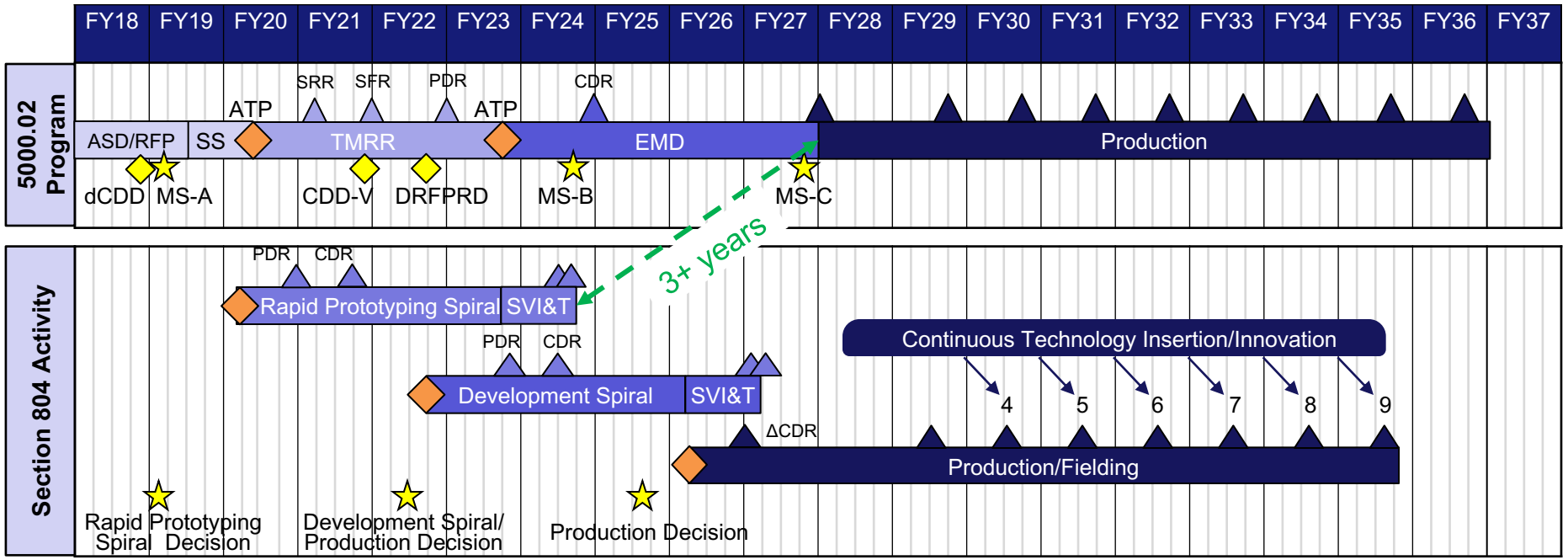
Traditional vs MTA

Schedule Benefit



Summarize Benefits/Impacts

- Initial capability available 3 years earlier…

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Factors Shaping Strategy

- **Discuss Capability Required**
  - Effect of Capability & Gap it will mitigate
  - CONOPS, OV-1
  - Key Performance Parameters (KPPs) & Key System Attribute (KSAs)
  - Reliability, Availability, Maintainability Requirements
  - Acquisition Approach
  - Collaboration accomplished in developing capabilities
- **Has industry been involved? Have they influenced requirements?**
  - Identify requirements Industry has indicated they can't meet either in capability document or affordability goal

See notes

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Factors Shaping Strategy

Affordability Requirement

- **Affordability goals**
  - Do you have enough information to develop an affordability goal?
  - Using both average unit acquisition cost & average annual operating & support cost per unit what will you be able to present at MS A/B event?
- **Strategy for achieving this "KPP"-like topic**
  - Identify specific contract provisions (e.g., Goals & Incentives in RFP)
  - Identify changes to quantities such as EOQs that are necessary to achieve target
  - Identify schedule changes necessary to achieve goal
- **Impact of procurement rate (EOQ) & schedule on affordability goal**
- **Affordability Requirement Source**

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Affordability Caps:
Notional System

Affordability Goals

Description	Cost Target
APUC	$27.8M
O&S	$40.3B

Cost Drivers & Trade

Description	Trade Excursion	Date
- Range Readjustment	Speed/Range Tradeoff Review	2Q FY11
- Reliability Growth	RAM Study	3Q FY11
- Engine Redesign	NAVAIR /CTR Focus Group	3Q FY11
- Prognostics & Health Mgmt.	Independent Logistics Assessment	3Q FY12
- F/A-XY Avionics Reuse	NAVAIR Tiger Team	3Q FY12
- Reduced Ordnance Load	JROC Review	4Q FY12

Indicate Source of Affordability Cap

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Factors Shaping Strategy:
Cost Capability Analysis

- **Discuss what is included in acquisition strategy to help find right balance between operational capabilities & affordability**
  - How will acquisition strategy examine trade space between operational requirements & cost?
  - Discuss plan for conducting cost capability analysis during Risk Reduction to identify opportunities to trade off operational capabilities to achieve a more affordable program
    - Which requirements are most costly &/or risky?
    - Which requirements could result in cost savings if adjusted?
    - Where is knee in cost capability “curve” for most costly or risky requirements?
  - How do you plan to engage with industry to get their understanding of how requirements might be traded to make program more affordable?

Focus is on Risk Reduction

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Factors Shaping Strategy:
Program Cost Estimate/Funding

- **Identify cost estimate & methodology**
  - Confidence level (55-80%)
  - LCC estimate (product support %)
- **Program Office Estimate or Service Cost Position?**
- **Address any AFCAA/OSD CAPE issues that may exist**
- **Address funding shortfalls**
  - Explain budget plans
  - RDT&E plan for executing obligations & expenditures
  - Explain MAJCOM commitment to cover shortfall as applicable

Proffer a fully funded Acquisition Strategy
See Notes Page

Funding Profile

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Program Funding & Quantities			Acquisition to O&S Cost Ratio Total Req'd Acq (BYXX$M): 4,456 30% Total Req'd O&S (BYXX$M): 10,358 70%					(BY yyyy) PAUC: APUC:	Curr Est 55.7M 50.4M	Δ Current +4.6% -3.2%	Δ Original +10.2% +60.2%
($ in Millions / Then Year)	Prior	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY18-22	To Comp	Prog Total
RDT&E	Primary Line Items: APPN 0400D - BA 7 - PE 1160403BB; APPN 1319N - BA 5 - PE 0604262N; APPN 3600F - BA 5 - PE 0401318F										
Prior $ (PB 17)	108.0	32.4	44.2	45.1	37.9	12.4	5.3	3.2	103.9	-	288.5
Current $ (POM 18)	**108.0**	**30.0**	**43.1**	**45.6**	**38.3**	**12.5**	**5.4**	**3.2**	**105.0**	**-**	**286.1**
Delta $ (Current - Prior)	-	(2.4)	(1.1)	0.5	0.4	0.1	0.1	-	1.1	-	(2.4)
Required[1] $	**108.0**	**32.4**	**44.2**	**45.6**	**46.0**	**15.0**	**6.5**	**4.0**	**117.1**	**-**	**301.7**
Delta $ (Current - Required)	**-**	**(2.4)**	**(1.1)**	**-**	**(7.7)**	**(2.5)**	**(1.1)**	**(0.8)**	**(12.1)**	**-**	**(15.6)**
PROCUREMENT	Primary Line Items: APPN 0300D - BA 2 - BLI 1000CV2200; APPN 1506N - BA 1 - BLI 0164; APPN 3010F - BA 4 - BLI V022A0										
Prior $ (PB 17)	-	99.9	150.4	200.2	304.8	618.6	627.6	360.1	2,111.3	2,257.3	4,618.9
Current $ (POM 18)	**-**	**99.5**	**148.2**	**203.1**	**309.2**	**522.9**	**530.5**	**538.1**	**2,103.8**	**1,954.5**	**4,306.0**
Delta $ (Current - Prior)	-	(0.4)	(2.2)	2.9	4.4	(95.7)	(97.1)	178.0	(7.6)	(302.8)	(313.0)
Required[1] $	**-**	**99.9**	**150.4**	**203.1**	**312.3**	**528.1**	**535.8**	**543.5**	**2,122.8**	**1,974.1**	**4,347.1**
Delta $ (Current - Required)	**-**	**(0.4)**	**(2.2)**	**-**	**(3.1)**	**(5.2)**	**(5.3)**	**(5.4)**	**(19.0)**	**(19.5)**	**(41.2)**
MILCON	Primary Line Items: APPN 0500D - BA 1 - PE 1140494BB; APPN 1205N - BA 1 - PE 0204696N										
Prior $ (PB 17)	-	-	1.3	1.6	-	2.1	2.3	3.0	9.0	15.3	25.6
Current $ (POM 18)	**-**	**-**	**1.4**	**1.7**	**-**	**2.0**	**2.1**	**3.0**	**8.8**	**12.6**	**22.8**
Delta $ (Current - Prior)	-	-	0.1	0.1	-	(0.1)	(0.2)	-	(0.2)	(2.7)	(2.8)
Required[1] $	**-**	**-**	**1.4**	**1.7**	**-**	**2.0**	**2.1**	**3.0**	**8.8**	**12.6**	**22.8**
Delta $ (Current - Required)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
SYSTEM O&M[2]	Primary Line Items: APPN 0100D - BA 1 - PE 1120172BB; APPN 1106N - BA 1 - PE 0206312M										
Prior $ (PB 17)	-	6.1	8.3	10.4	26.5	37.8	55.0	91.4	221.1	-	235.5
Current $ (POM 18)	**-**	**6.1**	**8.3**	**11.4**	**29.2**	**41.6**	**60.5**	**98.6**	**241.2**	**-**	**255.6**
Delta $ (Current - Prior)	-	-	-	1.0	2.7	3.8	5.5	7.2	20.1	-	20.1
Required[1] $	**-**	**6.1**	**8.3**	**11.4**	**29.2**	**41.6**	**60.5**	**98.6**	**241.2**	**5,904.8**	**6,160.4**
Delta $ (Current - Required)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**(5,904.8)**	**(5,904.8)**
TOTAL											
Prior $ (PB 17)	108.0	138.4	204.2	257.3	369.2	670.9	690.2	457.7	2,445.3	2,272.6	5,168.5
Current $ (POM 18)	**108.0**	**135.6**	**201.0**	**261.8**	**376.6**	**579.0**	**598.5**	**642.9**	**2,458.8**	**1,967.1**	**4,870.5**
Delta $ (Current - Prior)	-	(2.8)	(3.2)	4.5	7.4	(91.9)	(91.7)	185.2	13.5	(305.5)	(298.0)
Required[1] $	**108.0**	**138.4**	**204.3**	**261.8**	**387.4**	**586.7**	**604.9**	**649.1**	**2,489.9**	**7,891.4**	**10,832.0**
Delta $ (Current - Required)	**-**	**(2.8)**	**(3.3)**	**-**	**(10.8)**	**(7.7)**	**(6.4)**	**(6.2)**	**(31.1)**	**(5,924.3)**	**(5,961.5)**
QUANTITIES[3]											
Prior Qty (PB 17)	0	2	3	4	6	12	12	0	34	41	80
Current Qty (POM 18)	**0**	**2**	**3**	**4**	**6**	**10**	**10**	**10**	**40**	**35**	**80**
Delta Qty (Current - Prior)	0	0	0	0	0	(2)	(2)	10	6	(6)	0
Required[1] Qty	**0**	**2**	**3**	**4**	**6**	**9**	**9**	**9**	**37**	**38**	**80**
Delta Qty (Current - Required)	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**3**	**(3)**	**0**

Chart is Mandatory

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Program Risks

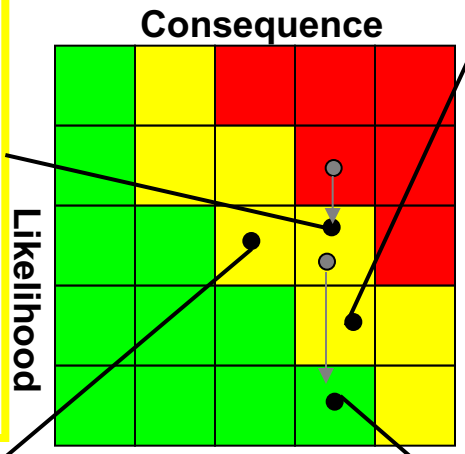
Insufficient funding to execute aircraft buys

Driver: Two Forward Price Rate Agreement (FPRA) increases (driven by a reduction in the base vs. predictions, erosion in the commercial business, efficiencies in production, a recent strike, and pension liabilities) and potential additional rate impacts due to Pension Protection Act compliance and projected business base loss in FY14 due to fewer aircraft buys are creating budget pressure to execute yearly budgeted a/c quantities and pressurizing APB and Nunn-McCurdy acquisition thresholds.

Mitigation Plan:

- ✓ Finalize technical evaluation and negotiation
- ▪ Assess future rate increases and impacts on FYDP(ongoing)
  - ▪ Pension Protection Act assessment (AIR 4.2 Lead)
    - • Business base (DCMA lead)
- • Continue to Pursue cost reduction/control initiatives
- ✓ Update program manager's cost estimate
- ✓ Engage Service for funding resolution
- •Support PEO(A)/DCMA rate control initiative with company

Date: Oct 10 (FRP decision)



Failure to Meet Total Ownership Cost Reduction Goals

Driver: Delayed I and D level standup, dynamic component DL&T disposition, extended ICS, items not making reliability targets

Mitigation Plan:

- ▪ Conduct BCA for long term sustainment/PBL strategy
- • Stand up Organic Intermediate and Depot Level repair
- • Approval of H-1 DL&T's
- • Execute 5 year Interim Support Plan contract awards
- • CILR drives component redesign efforts/BCAs

Date: Ongoing

Supply Chain Management to Support Increase to FRP

Driver: Poor performance of key suppliers, long lead times (bearings, forgings, castings), LLT purchase orders, staffing, parts shortages, and limited capacity in critical suppliers

Mitigation Plan:

- ✓ Obtain Advanced Procurement in FY10
- ✓ Hire Govt Supply Chain Manager (V-22)
- ✓ Identify dual source for critical suppliers
- ✓ Rationalize supply base
- ✓ Place reps on-site at critical suppliers
- ✓ Hire staffing to meet demand
- ✓ Utilize company gated process for outsourcing
- ✓ Award FY10 Long Lead
- ✓ Support Prime key supplier visits with govt reps
- ✓ Production Readiness Review (support FRP decision)

Date: COMPLETE Jul 10 (Risk will be closed)

Ability to Achieve Affordability Goals to Meet Inventory Objectives

Driver: Higher than anticipated costs due to enterprise growth (overhead rates); raw materials; cabin; supplier performance; increased labor hours. Two rate increases (driven by a reduction in the base vs. predictions, erosion in the commercial business, efficiencies in production, a recent strike, and pension liabilities) have recently created additional budget pressure.

Mitigation Plan:

- ✓ Establish Affordability plan
- ✓ Implement GFE CRIs (Engines, OTO)
- ✓ Obtain Advanced Procurement in FY10
- ✓ Execute Long Term Agreements/Long Term Contracts
- ✓ Finalize inspection requirements
- ✓ Assess impacts of PB11 Budget and rate increases with Lot 7 Production Proposal
- ✓ Include spares in production contract
- • Complete Business Case Analysis for MYP
- • If supported by BCA, ensure MYP budget approval/lay-in and implement MYP to begin in FY14

Date: On-going

See Notes Page & Backup Chars

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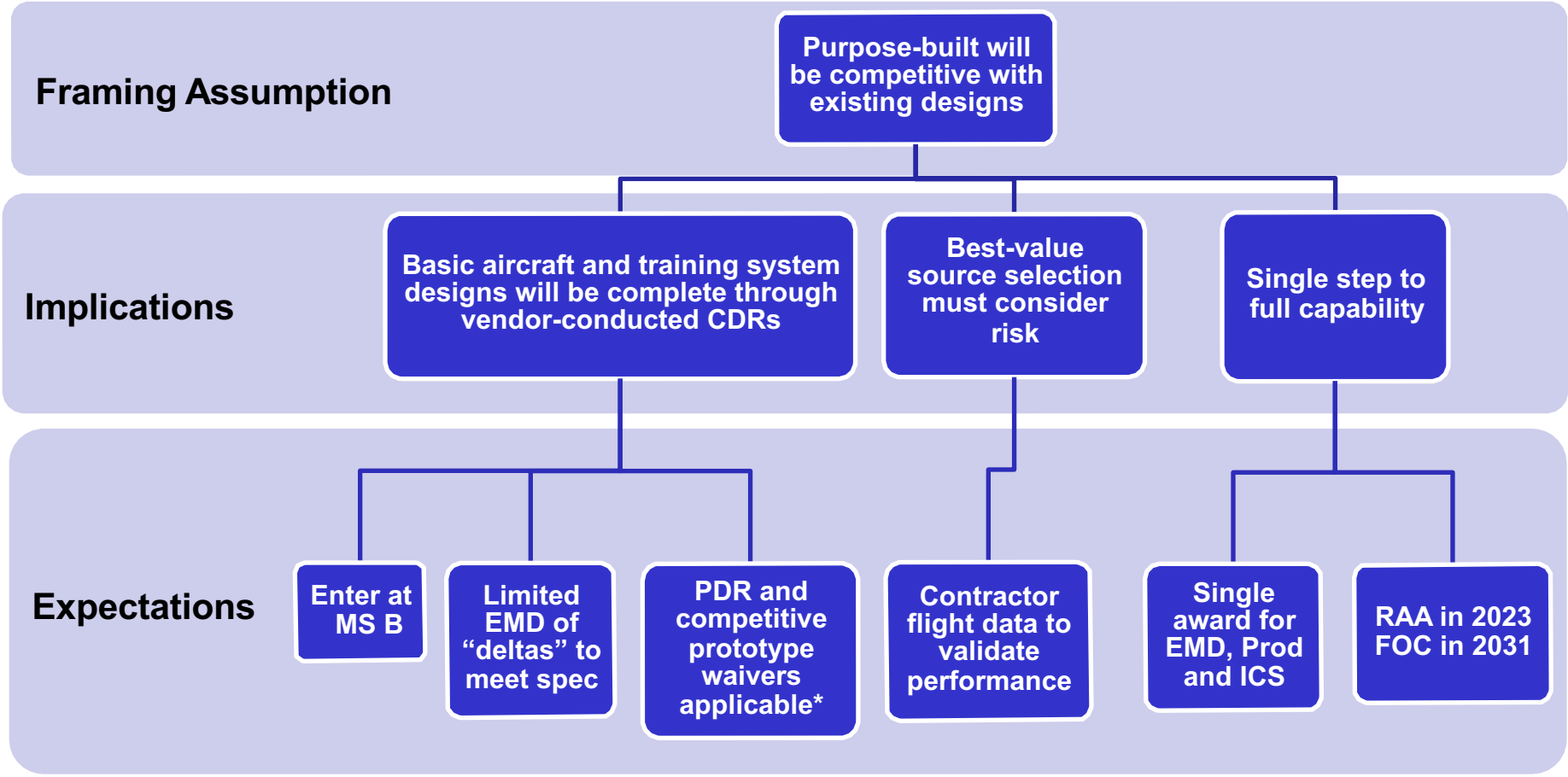
Acquisition Strategy

SAMPLE Framing Assumption #1



*Air Force will still conduct comprehensive PDR and Critical Design Review (CDR) events post-contract award in support of Better Buying Power (BBP) 3.0 "Strengthen organic engineering capabilities" and SAF/AQ's OTB Initiative.

See Notes Page

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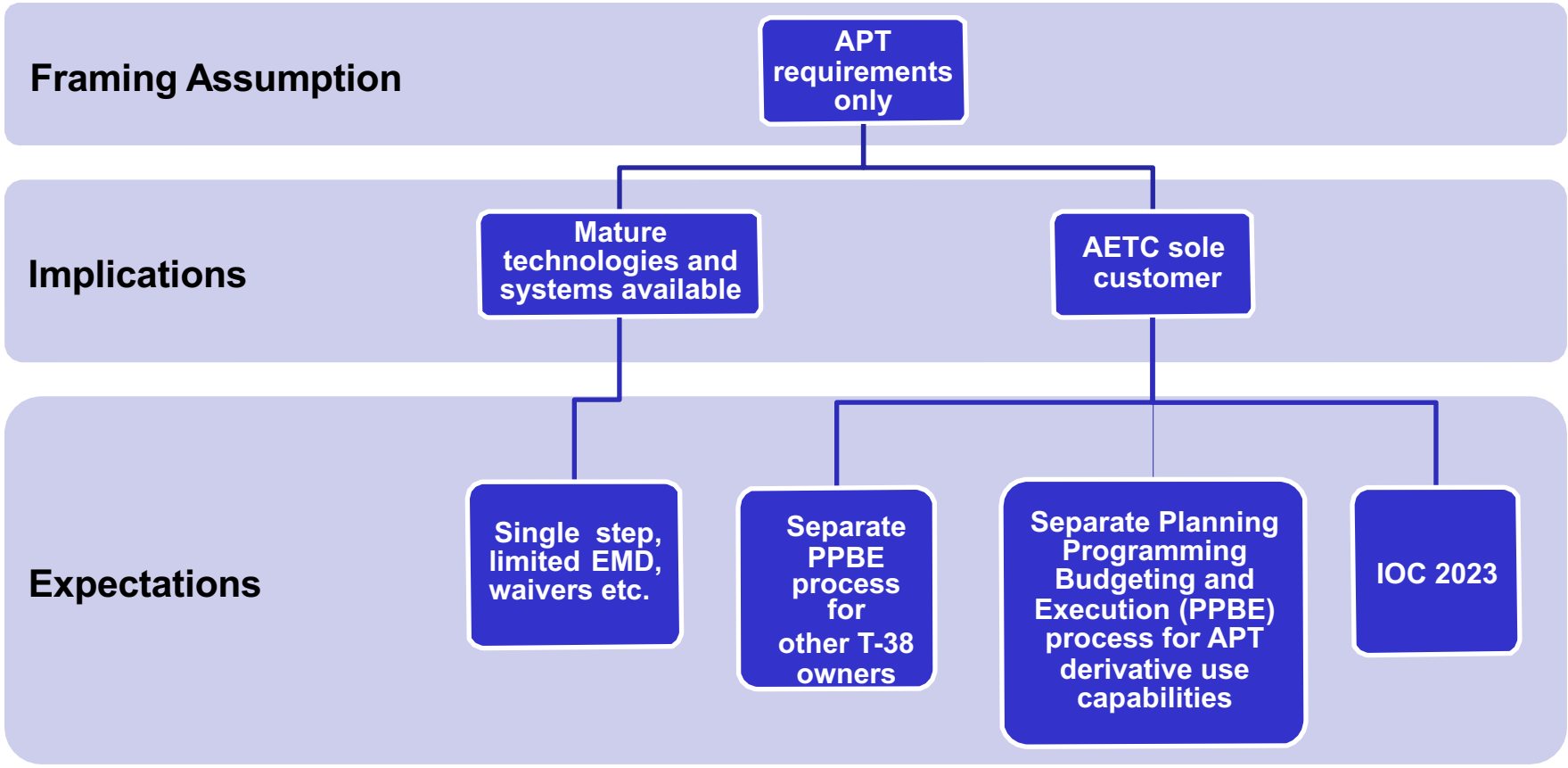
Acquisition Strategy

Sample Framing Assumption #2



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Acquisition Strategy

Alt Sample Framing Assumptions

Assumption*	Implications**	Expectations***	Metric****
Design is Mature	Production concurrency possible	Schedule to IOC will be achieved	Schedule growth below historical median
Threat levels will not change much in the next 5 years	Capability changes unlikely	Costs to stay on track	
Commercial demand will reduce unit cost	Production cost Est is realistic	No additional funding needed nor cost growth	
Schedule Incentive will motivate Ktr	Schedule will be achieved	Warfighter IOC date will be met	

See Notes Page

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Proposed Acquisition Strategy

- **Acquisition Strategy defines approach program will use to achieve full capability**
  - Should include a brief rationale to justify the choice
- **Summarize cost, schedule, & performance drivers under consideration, & plan to transition from MTA (Rapid Prototyping/Fielding) to DoD 5000.02 or another MTA**
  - Specify any unique program circumstances
  - Are you replacing an existing system (modification or new capability)?
  - Is this a joint program?
    - Identify Service(s)/DoD Components, Service-specific technical & operational differences; roles & responsibilities, & program funding
  - Address any regulatory tailoring necessary for program efficiency

See Backups for sample charts on alternatives considered & rationale for strategy selected

Competition Strategy/Market Research

- **Competition Strategy**
  - Explain how competitive environment will be sought, promoted, & sustained throughout all program phases
  - Summarize competition strategy for upcoming phase
  - Where head-to-head competition is not possible, explain how dissimilar competition or other competitive approaches will be used
- **Market Research**
  - Summarize research conducted & results. Indicate specific impact of those results on various elements of program
  - Plans for continuing market research to support program throughout development & production
  - Plans for getting industry insights on potential requirements & cost trade space to support AF's cost capability analysis
- **Sole Source Authority**
  - Identify legal authority & basis
  - Planned action to obtain future competition (e.g., buying tech data package & associated intellectual property rights)

Contract Parameters

- **Contract Type**
  - Rationale for contract type
    - What measures are in place to control contract costs?
  - Describe type & number of contracts expected & why chosen—will this reduce program risk?
  - Considered breakout of subsystems?
- **Contract Structure (Length, Options, CLINs)**
- **Special Terms & Conditions**
  - Organizational Conflict of Interest (OCI), Pricing Matrix, Warranty of Data (DFARS 252.246-7001), Warranties, Advance Procurement
  - If Undefinitized Contract Action (UCA) is planned, discuss rationale & get well plan
- **Subcontractor Management**
  - Make or Buy considerations

Contract Parameters

Contract Incentives

- **Planned Incentives**
  - Key program risks & incentives to help mitigate risks & improve probability of success
  - Objective Incentives considered & why?
- **Award Fee**
  - How is award fees linked to acquisition outcomes—cost, schedule & performance?
  - How is award fee tied to specific challenges, commitments & delivered capability versus just “effort”
- **Are there negative incentives for overrun or poor performance?**
- **If more than one incentive is planned, explain how incentives complement**
- **Why will incentive motivate contractor?**

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Intellectual Property (IP) Strategy

- **What do you need?**
  - Technical data rights & deliverables needed throughout system's life cycle
  - What are minimum rights AF can accept
  - Summarize prior contracts associated with delivery of technical data & rights in tech data
- **How will you buy it?**
  - Discuss strategy to buy technical data/data rights
  - Describe evaluation factors that will be used to assess price & adequacy of technical data during source selection. Discuss use of options for delivery of technical data & obtaining additional rights in technical data.
  - Assess merits of including a priced contract option for future (or deferred) delivery of technical data & intellectual property rights.
  - Discuss strategy for acquiring SW (source code, documentation, & development artifacts)
- **How will you manage it?**
  - What approach will be used to ensure delivery & adequacy of data?
  - How will program office verify contractor's assertion of restricted use & release of data?

See Notes Page

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Small Business

- **What does your Industrial Base Survey indicate is small business (SB) Capability?**
- **Is acquisition appropriate for a SB set-aside?**
- **If so, what are your recommendations? Breakout opportunities?**
- **Are there any bundling or consolidation decisions?**
- **If no prime opportunities, describe your plan for SB participation**
  - Identify planned contract incentives to encourage aggressive SB subcontracting
  - Identify percentage requirements for SB subcontracting
- **Discuss your plan for post award monitoring**

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Systems Engineering (SE)

- **Outline *open systems architecture* approach, combined with *technical data rights*, Government will pursue in order to ensure a lifetime consideration of competition**
  - Is there a reference implementation architecture & set of default standards for your domain of operation?
  - Modular system & design disclosure: Have you identified key interfaces, data elements & sub-systems that should be open/common/standard?
- **SE Tradeoff analysis**
  - Show your approach to determining how cost varies as the major design parameters and time to complete are traded off against each other
- **Discuss key requirements impacting Acquisition Strategy**
  - Discuss requirements maturity & stability
- **Discuss how Reliability, Availability, & Maintainability are addressed in SRD**

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Systems Engineering (cont.)

- **Discuss status of initial manufacturing concepts & implementation**
  - What is the status of LRIP manufacturing capabilities & ability to ramp up to full rate production?
  - Status of Production Readiness Review
  - What are critical manufacturing elements?
  - Plans for addressing manufacturability & maturity
- **Describe key SE components of RFP & contract**
  - Identify SE RFP requirements & selection criteria
  - Identify SE contractual provisions to ensure contractor implements proposed approach
- **Is configuration management plan required &, if so has one been developed?**
- **Have defense exportability features been considered in initial designs?**

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Cybersecurity & Resiliency Acquisition Strategy Panel Chart

CyberSecurity and Resiliency	Authority and Date concurrence	SRD/ Spec	Statement of Objectives (SOO) / Statement of Work (SOW) / Performance Work Statement (PWS)	Request for Proposal (RFP) Section L / Section M	FAR / DFARS / AFFARS Clauses	Sufficiency Assessment
Program Protection			*Ex: Section 2.3*			*Ex: G*
Cybersecurity (to include Trusted Systems and Networks (TSN))						
Critical Program Information /Anti-Tamper (AT)						
Security Management						
Cyber Resiliency						

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Test & Evaluation

- **T&E Strategy & how it supports acquisition & requirements strategies**
- **Identify issues regarding availability of production representative test articles, test facilities, Systems Integration Labs, Collaborative Development Environments**
  - Describe capability shortfalls of test ranges
- **TEMP or Test Plan status?**
  - Do you have time, budget, & assets required for test
  - Are Critical Operational Issues (COIs) linked to Critical Technical Parameters (CTP) & Measures of Effectiveness (MOE)?
- **Is DOT&E involved? If so, what is position regarding integrated testing economies**
  - What specific challenges are addressed through your test strategy?
  - How have you incorporated M&S into your strategy & what challenge does this address?

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Guardrails

- **Thresholds that trigger notification to MDA regarding cost, schedule, &/or performance breaches**
- **Guardrails as measured against majority of contractors exceeding following thresholds:**
  - Cost: (be specific with cost number & percentage)
  - Schedule: (be specific with date & timeline)
  - Performance:
- **PM will notify MDA if…**

Guardrails provide an additional layer of checks and balances

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Documentation Plan

Required Acquisition Documentation	S/R 804	Tailoring		Requested T	r Rapid Prototyping
		Approval	Milestone Required	A	Date Required
2366a/b certification	-	MDA	MS A	*ot Required for non-MDAP Program*	
Acquisition Decision Memo	R	MDA	MS A	MDA	Prior to PL Solicitation Release
Acquisition Strategy Document	S	MDA		MDA	Prior to PL Solicitation Release
Affordability Analysis	R	MDA		Defer to Development/Production	
Bandwidth Requirements Review (part of ISP)	R	*Not A*	*MDD*	AF CIO	Prior to PL OT Award
Capability Development Document	R	AF	MS A	Defer to Development/Production	
Clinger-Cohen Act Compliance	S	M	MS A	MDA; AF CIO	Prior to PL OT Award
Concept of Operations		ATCOM	MS A	USSTRATCOM	Approved Feb 2018
Core Logistics Determination (Part of LCSP)		MDA	MS A	PEO	Prior to PL OT Award
Cost Analysis Requirements Description		PEO	MS A	PEO	Prior to PL Solicitation Release
Cybersecurity Strategy (Part of PPP)	R	AF CIO	MS A	AF CIO	Prior to PL OT Award
DoD Component Cost Estimate	R	AFCAA	MS A	AFCAA	Prior to PL Solicitation Release
DOT&E Report on Initial Operational Te dation	S	*Not Addressed in MDD*		Defer to Development/Production	
Frequency Allocation Application (P 94)	S	NTIA	MS A	NTIA	Prior to PL Delivery
Full Funding Certification Me	-	MDA; AF CFO	MS A	*Not Required for non-MDAP Program*	
Independent Cost Estim	-	DCAPE	MS A	*Not Required for non-MDAP Program*	
Independent Logist ment	-	*Not Addressed in MDD*		*Not Required for non-MDAP Program*	
Independent T isk Assessment	-	DAE	Dev RFP Release	SAF/AQR	Prior to ASP
Information Supp Plan (Includes BRR)	R	*Not Addressed in MDD*		AF CIO	Prior to PL OT Award

EXAMPLE - For discussion purposes only

Tailor documents based on program need
Be prepared to discuss justification for tailoring strategy

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Documentation Plan (cont.)

Required Acquisition Documentation	S/R 804	Tailoring		Requested T…	…r Rapid Prototyping
		Approval	Milestone Required	A…	Date Required
Information Technology and National Security Systems Interoperability Certification	R	*Not Addressed in MDD*		Defer to Development/Production	
Item Unique Identification Implementation Plan	R	Deferred to MS …		Defer to Development/Production	
Life Cycle Mission Data	R	Deferred t…		Defer to Development/Production	
Life-Cycle Sustainment Plan (Includes Core Determination)	R	Defer…		Defer to Development/Production	
Operational Test Agency Report of OT&E Results	R	*No… …d in MDD*		Defer to Development/Production	
Operational Test Plan	S	*…essed in MDD*		Defer to Development/Production	
PESHE and NEPA/E.O. 12114 Compliance Schedule	S	*…Addressed in MDD*		CAE	Prior to PL Delivery
Preservation and Storage of Unique Tooling Plan	-	*Not Addressed in MDD*		*Not Required for non-MDAP Program*	
Program Protection Plan (Includes Cybersecurity Annex)	R	Deferred to MS B		AF CIO	Prior to PL OT Award
Prototype Plan	-	*Not Addressed in MDD*		PM	Prior to PL Solicitation Release
Prototype Requirements Document	-	*Not Addressed in MDD*		PM	Prior to PL Solicitation Release
Request for PL Prototype Proposal	R	MDA	MS A	PEO	Prior to PL Solicitation Release
Should Cost Target	-	Deferred to MS B		*Not Required for non-MDAP Program*	
Spectrum Supportability Risk Ass…	R	AF CIO	MS A	AF CIO	Prior to PL Delivery
Systems Engineering Plan	R	Deferred to Dev RFP Release		Defer to Development/Production	
Technology Readiness …nt	R	*Not Addressed in MDD*		Defer to Development/Production	
Technology Target… …sessment (Part of PPP)	R	DoD Component	MS A	DoD Component	Prior to PL OT Award
Test and Evalu… …ter Plan	R	Deferred to Dev RFP Release		Defer to Development/Production	
Validated Online …ecycle Threat Report	R	NASIC	MS A	NASIC	Prior to PL Solicitation Release

Tailor documents based on program need
Be prepared to discuss justification for tailoring strategy

"What Worries Me"

- **Opportunity to communicate internal concerns to SAE**
- **Discuss any issues that are concerning to PEO & PM:**
  - Funding Instability
  - Technical Transition Issues
  - Congressional Interest
  - Requirements Stability

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Recommendation & Way Forward

Recommendation

- Designate Program an MTA/Section 804
- Approve Acquisition Strategy
- Delegate Rapid Prototyping solicitation release and selection authority

Way Forward

- Discuss noteworthy milestones &/or required engagements with MDA

Back-Up

See Footnotes for additional information

Middle Tier of Acquisition (MTA) – Program Identification (1)

Middle Tier of Acquisition (MTA) – Program Identification

By submitting this Program Identification form, the DoD component is identifying a new MTA program to the Office of the Secretary of Defense (OSD). This data will ultimately be collected via the Defense Acquisition Visibility Environment (DAVE).

Submitted By:		
Effective Date (mm/dd/yyyy):		
Program Information:		
Program Type:	*Select*	
Program Long Name:		
Program Short Name:		
Program Description:		
Lead Component:	*Select*	
Program Executive Office:	*Select*	
MTA Program Management Office:		
POC Name and Rank:		
POC Phone:		
POC Email:		
Antecedent System:		
Capability Requirement:	*Please note: Fill out the first column with the primary Joint Capability Area. If the program has additional secondary Joint Capability Areas, additional columns are available to the right.*	
Joint Capability Area(s):	*Select*	*Select*
Requirements Document:	*Select*	
If "Other", indicate document type:		
Validation Authority:		
Date Approved (mm/dd/yyyy):		
Program Quantity:		
Expected Rapid Prototype Quantity:		For an MTA program, these quantity types should be considered mutually exclusive.
Expected Rapid Fielding Quantity:		

Additional Guidance/Information located at Secretariat SharePoint:
https://cs2.eis.af.mil/sites/10263/dir/integration/execution/Secretariat/Forms/AllItems.aspx

Middle Tier of Acquisition (MTA) – Program Identification (2)

Program Schedule:		
MTA Designation Date (mm/dd/yyyy):		Once MTA Designation Memorandum is signed, Components must attach a copy of the decision document with this form.
Date Funds First Obligated (mm/dd/yyyy):		Date funds first obligated will act as the "program initiation" and will start the five-year clock for the Middle Tier of Acquisition programs, as prescribed in statute.
Expected Initial Production Date (mm/dd/yyyy):		DoD requires that rapid fielding programs enter into initial production within six months of date funds first obligated.
Expected Date of Operational Demonstration (mm/dd/yyyy):		The objective of an acquisition program under a rapid prototyping pathway shall be to field a prototype that can be demonstrated in an operational environment and provide for a residual operational capability within five years of the date funds first obligated
Expected Program Completion Date (mm/dd/yyyy):		The program must complete prototyping/fielding within 5 years to be an MTA program. If the PM expects the program to exceed this 5 year cap, it can no longer be an MTA program.
Technology:	*Please note: Fill out the first column with the primary Technology Area. If the program has additional secondary Technology Areas, additional columns are available to the right.*	
Technology Component and/or System:	*Select*	*Select*
Current Technology Readiness Level(s) (TRL):	*Select*	*Select*
Expected Technology Readiness Level(s) (TRL):	*Select*	*Select*
Description of Technology, Component, or System:		R&E recommended as text field ~1000 character limit
System Complexity / Design / Demo Scope:		From R&E: This section should address the level of integration needed to make the system effective and what kind of demo may be needed to prove it. We want warfighter capability at program completion (and knowledge along the way). ~1500 character limit
Manufacturing Readiness Level (MRL):	*Select*	

Additional Guidance/Information located at Secretariat SharePoint:
https://cs2.eis.af.mil/sites/10263/dir/integration/execution/Secretariat/Forms/AllItems.aspx

Middle Tier of Acquisition (MTA) – Program Identification (3)

Performing Activity:		
Has the performing activity been identified?	*Select*	Performing activity could include government performing activity, academia, or a contractor.
If yes, performing activity CAGE Code:		http://www.govcagecodes.com/
Contract(s):	*Please note: Fill out the first column with the primary contract. If the program has additional secondary contracts, additional columns are available to the right.*	
Contract Strategy:	*Select*	*Select*
Contract Type:	*Select*	*Select*
Contract Lifecycle Phase:	*Select*	*Select*
Contract Number:		
Contracting Office:		
Outcome:	*Please note: Outcome section is only required upon program completion*	
Outcome:	*Select*	Once MTA Outcome Decision is signed, Components are required to upload the document to the Acquisition Information Repository (AIR).
If transitioned, identify program:		
Date of MTA Outcome Decision Memorandum (mm/dd/yyyy):		
Reason for Outcome:	*Select*	
If "Other" reason for outcome, specify:		
Sustainment:		
Field Sustainment Responsibility:	*Select*	
Depot Sustainment Responsibility:	*Select*	
Supply Chain Responsibililty:	*Select*	
Expected Service Life (Years):	*Select*	
Technology Data Rights:		

Additional Guidance/Information located at Secretariat SharePoint:
https://cs2.eis.af.mil/sites/10263/dir/integration/execution/Secretariat/Forms/AllItems.aspx

Middle Tier of Acquisition (MTA) – Program Identification (4)

Program Budget:	*Please note: Fill out the first column with the primary funding account. If the program has additional funding lines, additional columns are available to the right.*								
Appropriation Category(s):	Select	Select	Select	Select	Select	Select	Select	Select	Select
Account Code(s):	Select	Select	Select	Select	Select	Select	Select	Select	Select
Account Name(s):									
Budget Activity(s):	Select	Select	Select	Select	Select	Select	Select	Select	Select
Program Element/Line Item(s):									
Project Code(s):									

Program Budget Details:		
Budget Year:	Select	Budget Estimate includes prior year actuals and current budget authority, FYDP budget, and PM's estimate to complete beyond the FYDP.
Budget Position:	Select	

TY $M	Prior	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	To-Complete	Total Budget
RDT&E:									$ -
Procurement:									$ -
Acquisition O&M:									$ -
MILCON:									$ -
Sustainment O&M:									$ -
MILPERS:									$ -
Total:	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Additional Guidance/Information located at Secretariat SharePoint:
https://cs2.eis.af.mil/sites/10263/dir/integration/execution/Secretariat/Forms/AllItems.aspx

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Back-ups

- Program Office
- Industrial Base Capability & International Cooperation
- Risk
- Additional Acquisition Topics
- Samples
  - Affordability
  - Should Cost
  - Source Selection
  - Acquisition Strategy

Program Office

Organization, Experience, & Manpower

- **Provide Organizational Structure (Org Chart)**
- **Resources**
  - Address Critical manpower positions / program office manning & facilities
    - Program Office Staffing & Support Contractor Resources Available to PM
      - Identify Deputy PM, chief program engineer, lead program system engineer, lead cost analyst, product support manager and engineering data management officer (EDMO), contracting officer, financial manager, T&E
      - Identify any shortage of personnel
  - Identify current DAWIA (APDP) certification levels for all key government personnel (SPMs, PMs, etc)
- **Integrated Product Teams (IPTs)**
- **PMA tenure agreement**

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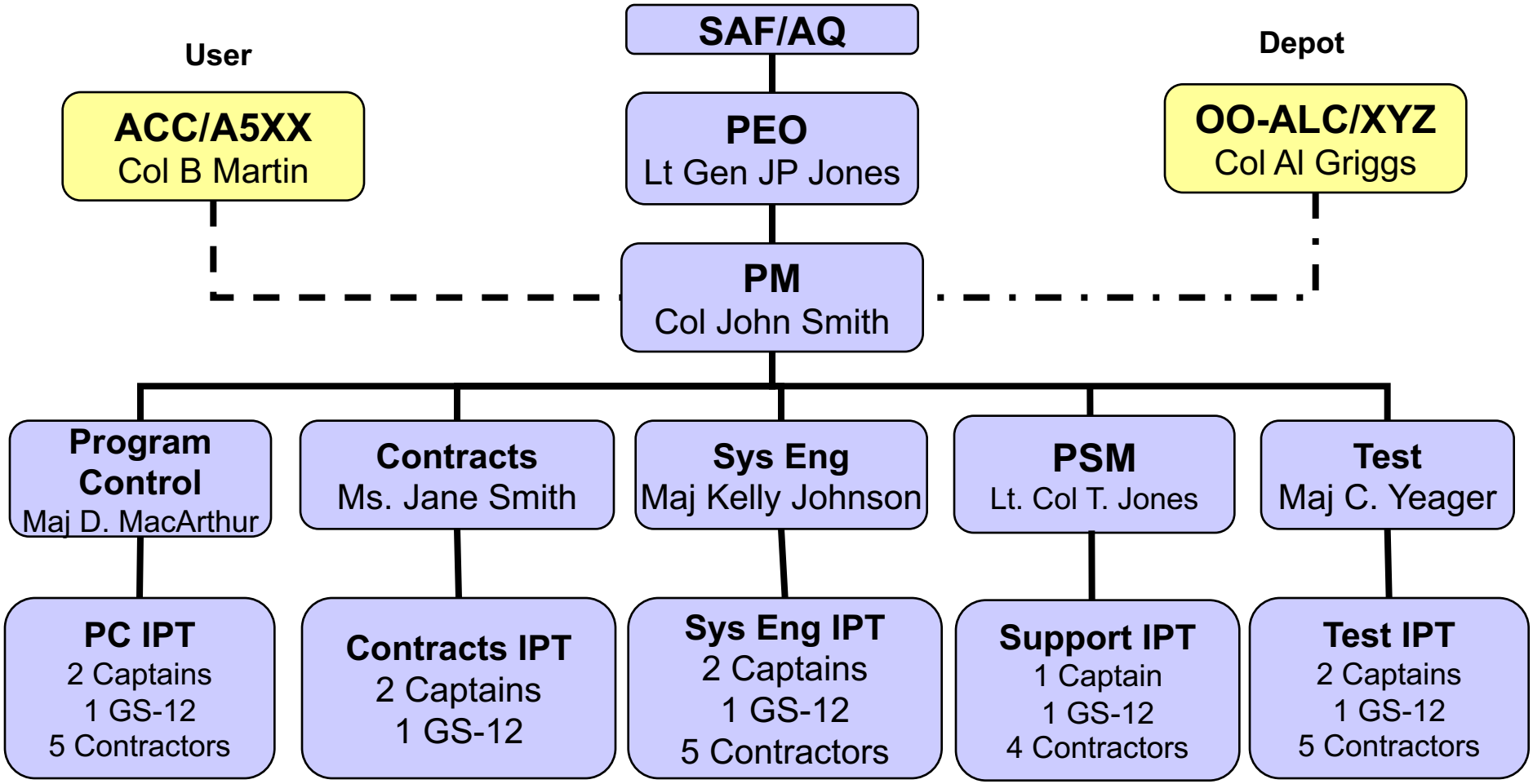
Program Org Chart



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Industrial Base Capability and International Cooperation

- **Industrial Capability**
  - Address industry's capability to design, develop, produce, support (product technology obsolescence, replacement of limited-life items, regeneration options for unique manufacturing processes, and conversion to performance specifications at the subsystems, component, and spares levels) , and, if appropriate, restart a program.
  - Address the need for government action necessary to ensure a robust US Industrial and Technical base
    - Are new industrial base capabilities required? US or off-shore manufacturing?
    - Diminishing Manufacturing Sources (DMS)
      - Do you have sufficient data and data rights for DMS?
- **International Cooperation/Foreign Military Sales**
  - Defense Exportability considered in the design of the system?

See Notes section to address these topics

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Additional Acquisition Topics

(if not addressed elsewhere)

- Program Protection Planning
  - Anti-Tamper
  - *Protection of Critical Program Information*
- Information Assurance
- Trusted Foundry
- Clinger Cohen Act Certification progress (CCA)
- Environmental & Manufacturing/Quality Engineering
- Interdependencies/Interoperability
- Information Technology
- Human Systems Integration
- Environment, Safety, Occupational Health
- Spectrum Management/Supportability
- Integrated Digital Environment Management (may address in the data rights section)
- Government Furnished Equipment/Property
- Modeling and Simulation
- Corrosion Control
- Intelligence Mission Data (IMD)

Technology Readiness

Sample Chart

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Critical Technology Element	TRL	Incr 1	Incr 2
	9	X	
	6		X
	9	X	
	8	X	
	9	X	
	9	X	
	7		X
	5		X
	6		X
	6		X
	9	X	
	6	X	
	9	X	
	8	X	
	8	X	

Technology Readiness Levels (TRL)

9. Actual system "flight proven" through successful mission operations

8. Actual system completed and "flight qualified" through test and demo

7. System prototype demonstration in a operational environment

6. System/subsystem model or prototype demonstration in a relevant environment

5. Component and/or breadboard validation in relevant environment

4. Component and/or breadboard validation in laboratory environment

3. Analytical and experimental critical function and/or characteristic proof-of-concept

2. Technology concept and/or application formulated

1. Basic principles observed and reported

See Notes Page

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Product Support Strategy

Sustainment Approach

- Current (initial CLS covering total system)
- Future (sub-system based PBL contracts)

Issues

- Shortfall in O&M funding in FYDP
- Reliability and availability estimates are below goals
- LCSP requires update before DAB

Resolution

- POM request for O&M restoration submitted
- Reliability improvement plan with clear RAM goals up for final signature
- LCSP in draft

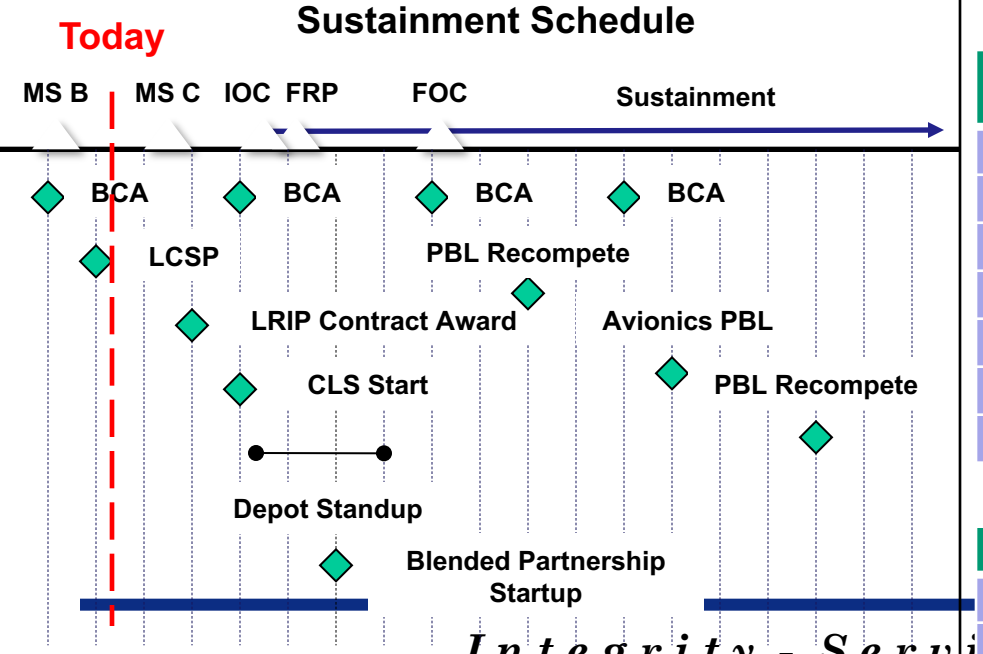
Metrics Data

Metric	Antecedent Actual	Original Goal	Current Goal	Current Estimate/ Actual
Materiel Availability	76%	80%	77%	71%
Materiel Reliability	37 hrs	50 hrs	50.5 hrs	48 hrs
Ownership Cost	245.6B	385.5B	395.1B	395.1B
Mean Down Time	12 hrs	20 hrs	18 hrs	15 hrs

* Test or fielding event data derived from _____

Notes:

Sustainment Schedule



O&S Data

Cost Element	Antecedent Cost	ABC Original Baseline	ABC Current Cost
1.0 Unit-Level Manpower	3.952	5.144	5.750
2.0 Unit Operations	6.052	6.851	6.852
3.0 Maintenance	0.739	0.605	0.688
4.0 Sustaining Support	2.298	2.401	2.401
5.0 Continuing System Improvements	0.129	0.025	0.035
6.0 Indirect Support	1.846	1.925	1.956
Total	**15.046**	**16.951**	**17.682**

Cost based on average annual cost per squadron

Total O&S Costs	Antecedent	ABC
Base Year $M	102,995.2	184,011.9
Then Year $M	245,665.3	395,147.2

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Risk Mitigation

Risk ID & Title / Category		
Risk Statement: E.g.., Cost proposal exceeds budget		
Impact: Address impact of risk		
Likelihood: 4	**Consequence: 4**	**Risk Rating: High (Red)**
Risk Management: Address mitigation approach **(Describe risk handling plan, milestones and risk closure criteria. Specifically address cost, schedule and performance impacts and cost/schedule reserve (margin). Indicate what resources are required to cover the risk. What is the the performance impact?)**		
Post Risk Management Rating: Likelihood=1, Consequence =2 (GREEN)		

All High & Moderate Risks should be identified. Recommend Program Office prepare a Risk Mitigation chart & provide in back-up

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Should Cost Summary

$M	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	To Complete	Total
Budget Authority	81.6	62.4	33.0							
[Current Year] PB				198.4	213.5	207.9	153.7	97.3	42.9	1,090.7
Total Acq Will Cost (ICE)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	500.0	800.0
[Should Cost Initiative Title]		(1.4)								(1.4)
Phase 1 Test Activities		(11.0)								(11.0)
Phase 2 (Contract Award)					(24.6)	(22.5)	(23.2)			(70.3)
Flight Body-2						(24.5)				(24.5)
Streamline Training							(26.0)			(26.0)
Net Should Cost Savings	0.0	(12.4)	0.0	0.0	(24.6)	(47.0)	(49.2)	0.0		(133.2)
Total Should Cost Estimate	100.0	87.6	100.0	100.0	75.4	53.0	50.8	100.0	379.2	666.8

Realized

Planned

Realized

- **FY13:** $ 1.400M; EMD Ph… Integration
- **FY13:** $11.000M…

Plan…

- **FY16-FY18:** $70.292M; EMD Phase 2 (Contract Award) … initiative.
- **FY 17:** $24.500M; Flight Body-2
- **FY18:** $26.000M; EMD Phase 2 Test Activities

Ensure all Should Cost Initiatives are PEO-Approved in CCaRS and values are consistent. Use Back-up slides to elaborate on each

See Notes Page