

Chief Systems Engineers Panel

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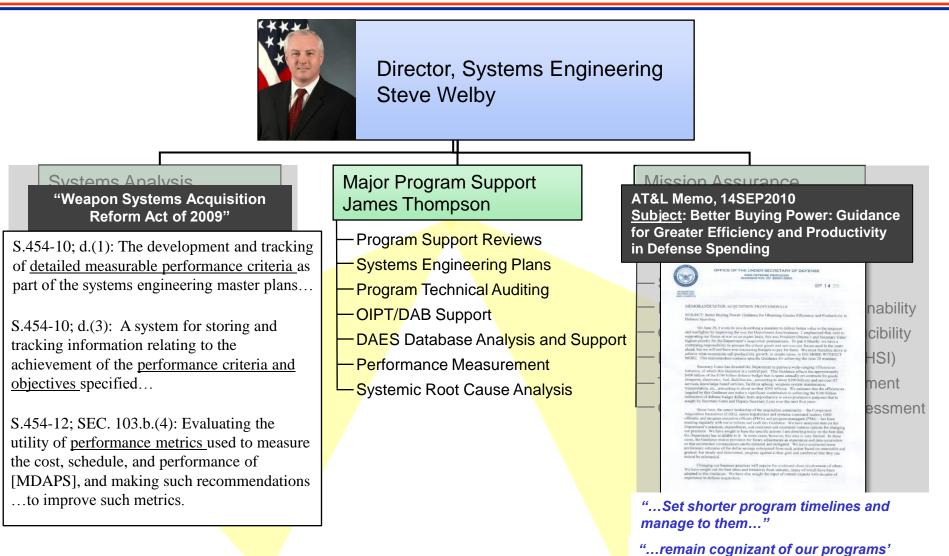
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Mission Context



progress...and identify problems quickly ... "





Themes



• Metrics

- Elegant systems engineering designs require us to <u>augment</u> intuition and judgment with quantitative means and effective analytical methods
- <u>Harness the right measures</u> to help inform decisions
- Industry, Academia, Agencies, Services have role in shaping quantitative methods and driving efficiencies into acquisition

Integration

Integrate the information for better domain management /problem solving

Communication

- Effectively shape, share and disseminate results:
 - Updates to policy and guidance (e.g. SEP Prep Guide)
 - Conference, symposia, white papers, etc

Building Bridges

- Services, Industry, Acquisition Leadership, Academia
- Joint Program Reviews



Initial focus:

Software

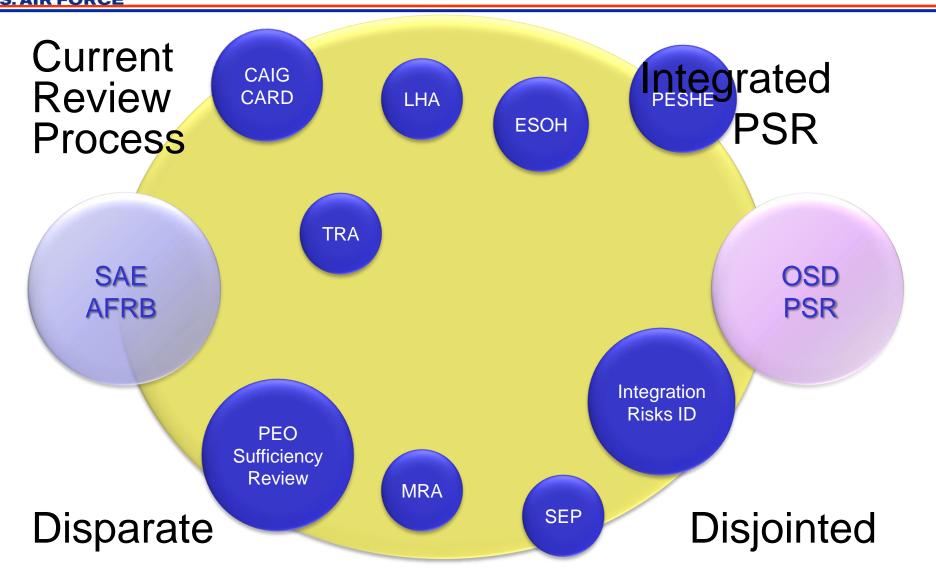
Integration

Reliability Manufacturing



Program Review Process





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Source: JiPRA Brief to SAF_AQ Jun 09.pptx



Integrated OSD/AF PSR SDB II Example

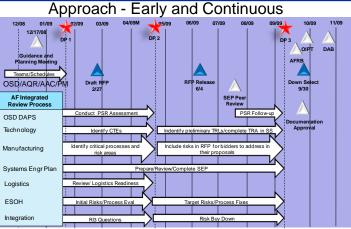


- Integrated collaborative review
 - OSD, Army, Navy, AF, Product Center
 - DDR&E/SE PSR methodology
 - Technology Readiness Assessment (TRA)
 - Risk Identification: Integration and -ilities (RI3)
 - Manufacturing Readiness Assessment (MRA)
 - Logistics Health Assessment (LHA)
 - Environment, Safety, and Occupational Health (ESOH)

Accomplishments

- Continuous Engagement
- Constructive dialogue site visits
- Inputs to Draft and Final Request for Proposal
- Preliminary Report to PM well in advance of DAB (planned ~6 months)
- Significant Benefits
 - Integrated and synchronized (e.g. program impact 5 days vs. est. 38 days)
 - Significant intellectual capital from across DoD
 - Early, actionable feedback to program office

Early and robust technical engagement to mentor/advise collaboratively, independently assess and capture risk...so PMs can act





Acquisition Efficiency Guidance Roadmap



<u>5 Areas...</u>

- Target Affordability and Control Cost Growth
- Incentivize Productivity & Innovation in Industry
- Promote Real Competition
- Improve Tradecraft in Acquisition of Services
- Reduce Non-Productive Processes and Bureaucracy





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