



Program Support: Capabilities and Oversight Role

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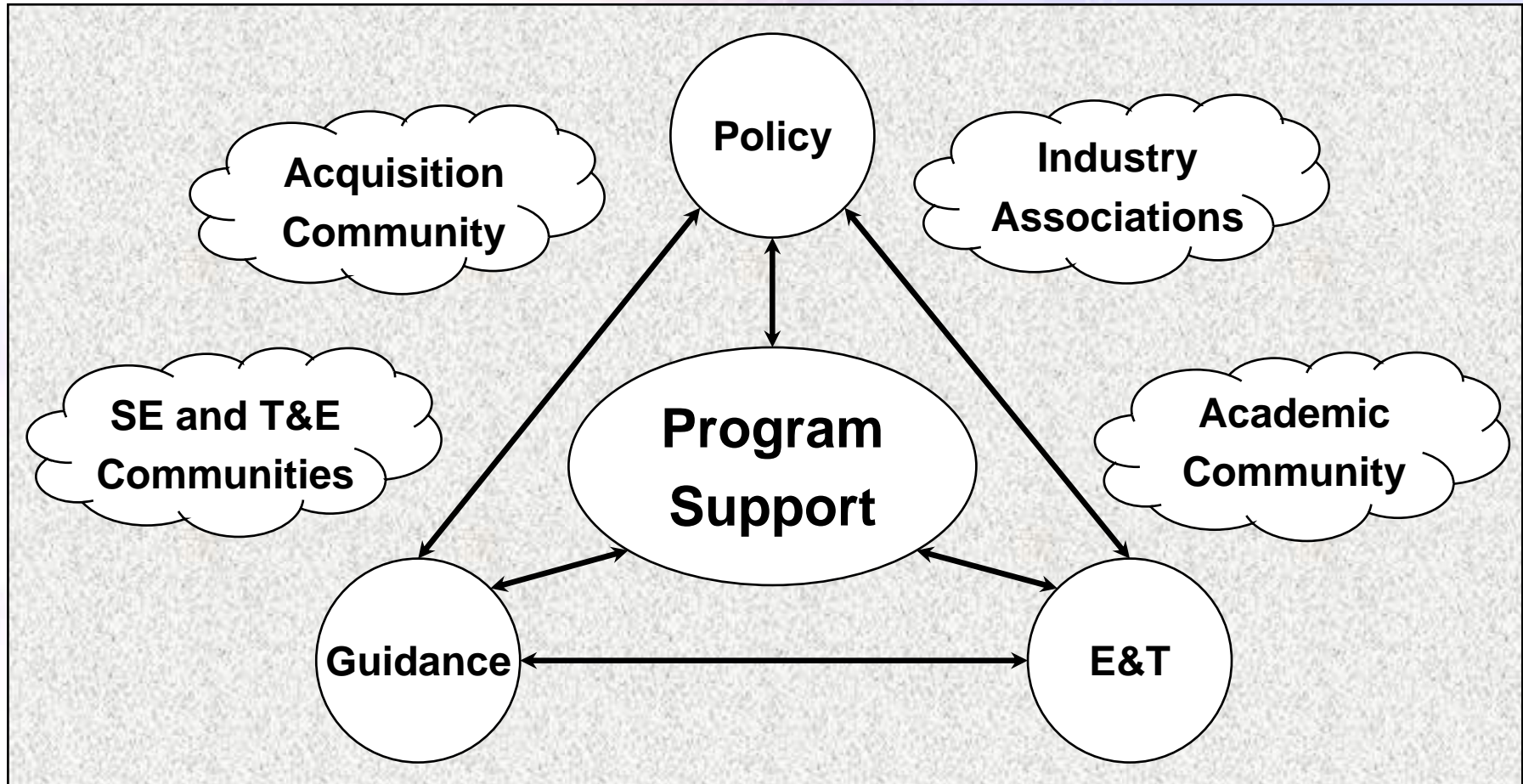
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Purpose

- Brief the DBSAE on Assessments and Support's capabilities
- Establish a dialogue to define SSE/AS's role vis-à-vis DBSAE/BTA programs on OSD oversight

Systems Engineering Revitalization Framework



Driving Technical Excellence into Programs



Driving Technical Rigor Back into Programs “Portfolio Challenge”

- Systems and Software Engineering was tasked to:
 - Review program’s SE Plan (SEP) and T&E Master Plan (TEMP)
 - Conduct program support reviews
- Portfolio of major acquisition (ACAT ID and IAM) programs, supporting 10 Domain Areas:
 - Business Systems
 - Communication Systems
 - C2ISR Systems
 - Fixed Wing Aircraft
 - Unmanned Systems
 - Rotary Wing Aircraft
 - Land Systems
 - Ships
 - Munitions
 - Missiles

Systems Engineering and T&E Support to Over 150 Major Programs in 10 Domain Areas

Driving Technical Excellence into Programs



Topic	Systems Engineering	Test & Evaluation	Risk Management	Exit Criteria	Acquisition Strategy
Focus Areas	Requirements	V&V Traceability	Risk ID	Mission Systems	Mission Capability
	Organization & Staffing	Test Resources	Risk Analysis	Support	Resources & Management
	Technical Reviews	Test Articles	Risk Mitigation Planning	Manufacturing	Technical Process
	Technical Baseline	Evaluation	Risk Tracking	R & M	Technical Product
	Linkage w/ Other Program Mgmt & Controls	Linkage w/ Other Program Mgmt & Controls	Evidence of Effectiveness	Net Centric	Enterprise Environment
Product	SEP	TEMP	RM Plan	Phase Exit Criteria	ASR/APB

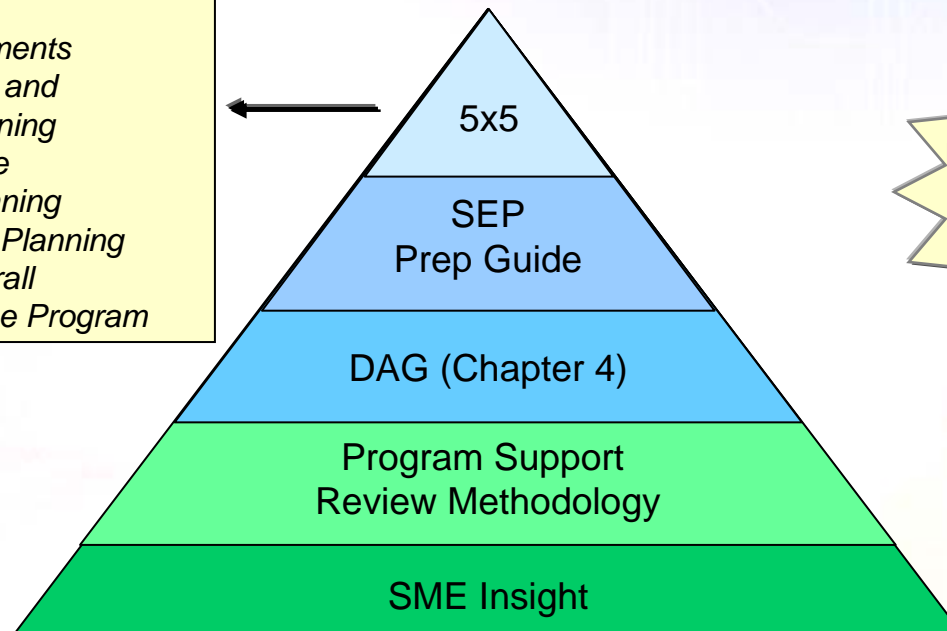


Systems Engineering Plan (SEP) Reviews

- Structured approach with multiple perspectives
- Iterative review process with Program Office; refining SE planning and documentation with each pass through

SEP Review Areas

- *Program Requirements*
- *Technical Staffing and Organization Planning*
- *Technical Baseline*
- *Management Planning*
- *Technical Review Planning*
- *Integration w/Overall Management of the Program*



Programs showing evidence of better SE planning

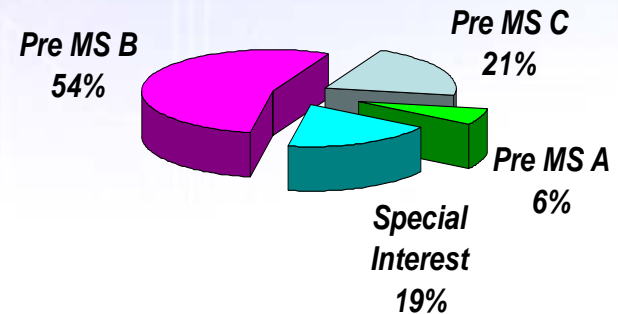
Thorough SE Planning Ensures Fewer “Gotchas” in Program Execution

Systems Engineering Plan Activity (since November 2004)

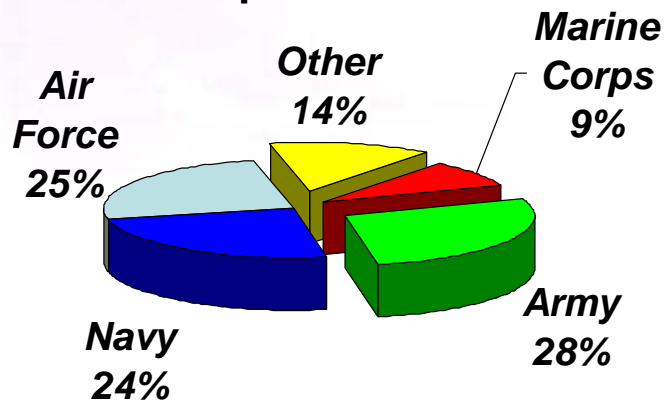


- Programs submitting SEPs: 49
- Number of SEPs reviewed: 88
 - Approved: 13
 - Pending final approval: 3
 - Pending draft review: 6
- Reviews planned for rest of FY06: >50

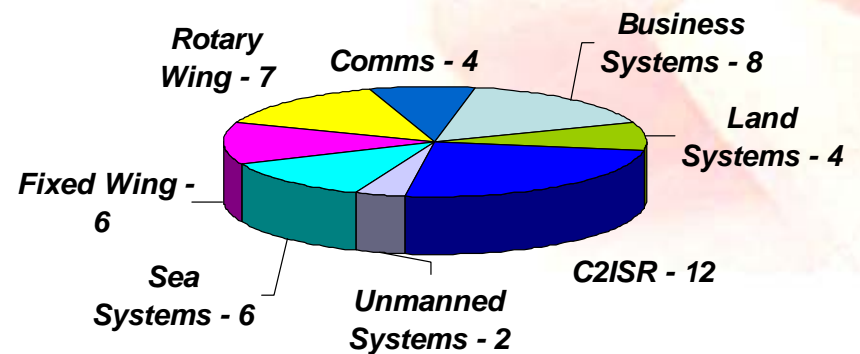
SEP Program Milestones



Component-Managed Acquisitions



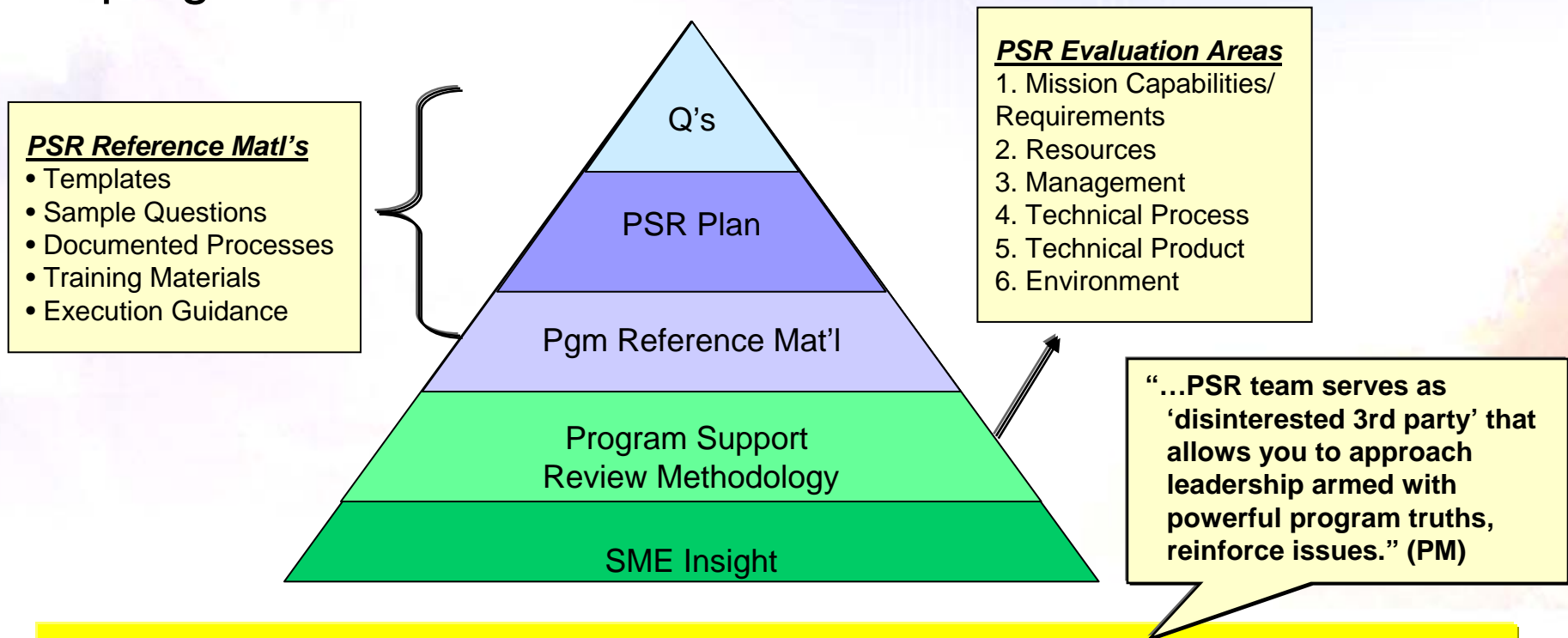
Programs by Product Line





Program Support Review (PSR)

- Repeatable, tailorable, exportable process
- Trained workforce with in-depth understanding of PMs' program issues



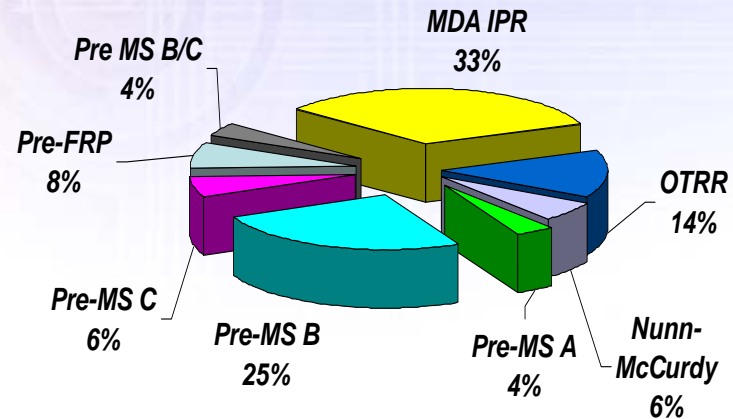
PMs Report Process Is Insightful, Valuable, and Results Oriented



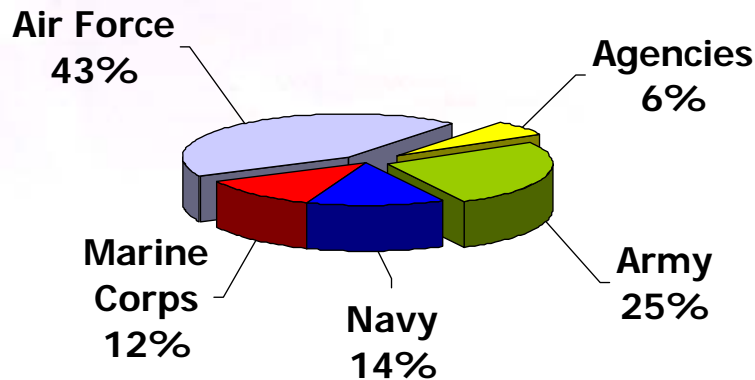
Program Support Review Activity (since March 2004)

- PSRs/NARs completed: 34
- AOTRs completed: 7
- Nunn-McCurdy Certification: 3
- Participation on Service-led IRTs: 4
- Technical Reviews: 3
- Reviews planned for rest of FY06
 - PSRs/NARs: 10
 - AOTRs: 4
 - NARs: 2

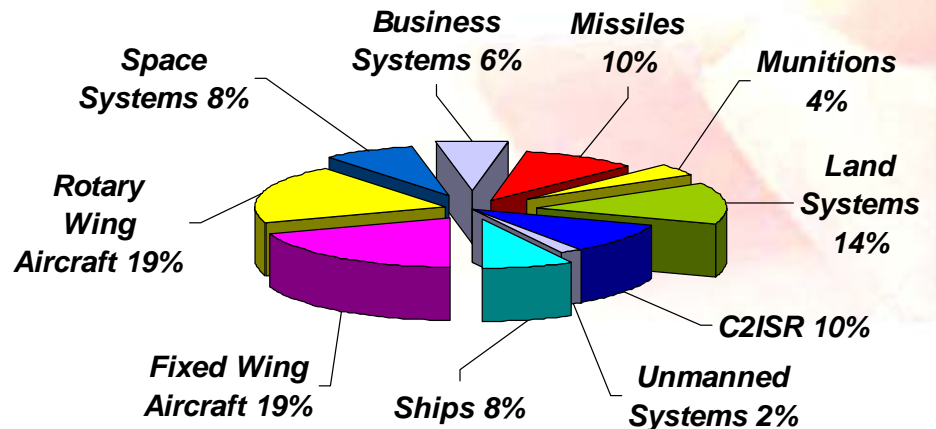
Decision Support Reviews



Service-Managed Acquisitions



Programs by Domain Area

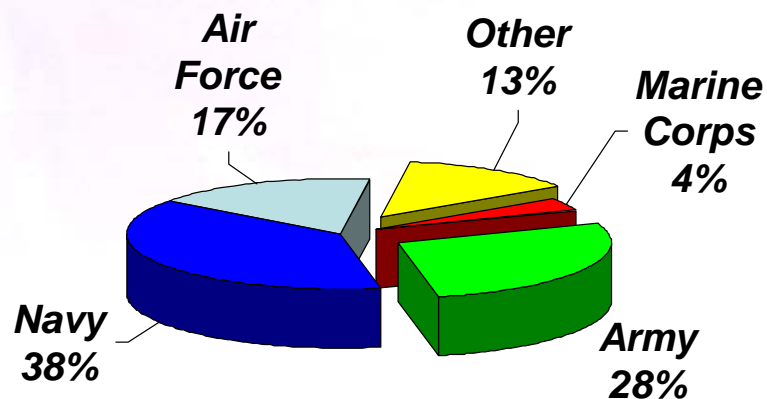


Test and Evaluation Master Plan Activity (since November 2004)

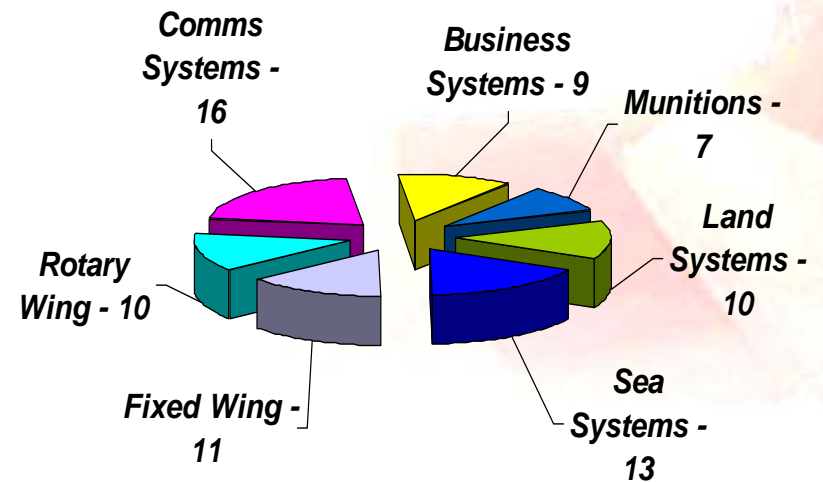


- Programs submitting TEMP: 66
- Number of TEMP: 76
(includes TEMP updates/change pages)
 - Approved: 69
 - Pending approval: 7
- Reviews planned for rest of FY06: >30

Component-Managed Acquisitions



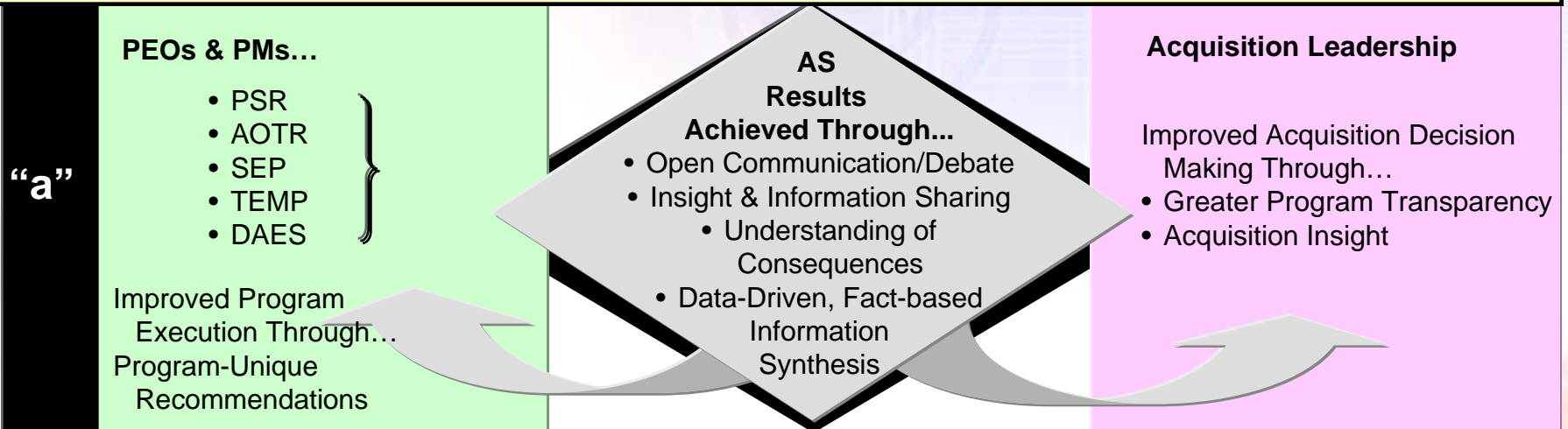
Programs by Product Line



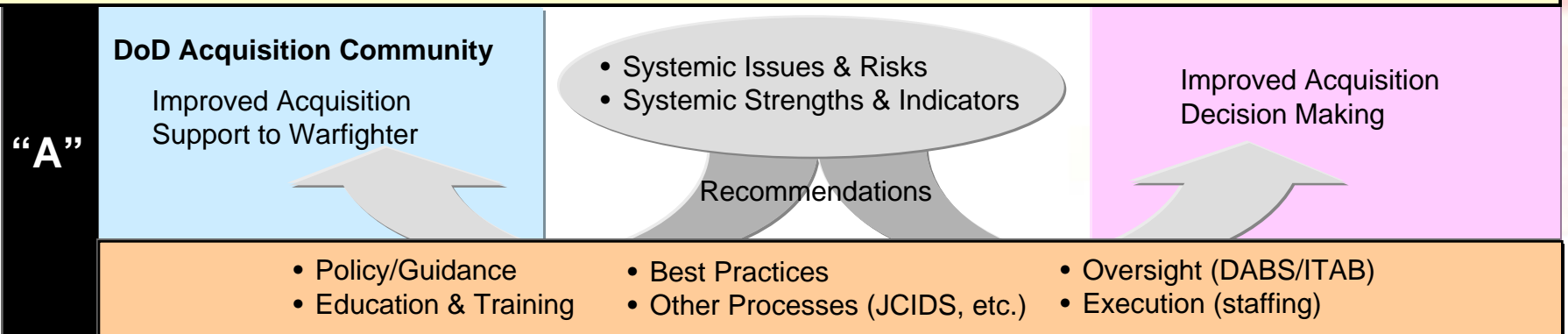


Providing Value-Added Oversight

• Tactical, Program, and Portfolio Management



• Strategic Management





Questions on Oversight Approach

- Questions on SSE/AS role regarding DBSAE/BTA programs on OSD MAIS and/or T&E oversight:
 - How should SEPs and TEMPs be staffed for OSD approval?
 - Most of these programs are on the CY06 OSD T&E Oversight List: Is the current list still valid, especially for the ERAM pilots?
 - In what format (paper, electronic, other, none provided) will SEP and TEMP information be provided?
 - Who will sign as the OIPT Lead for OSD-approved documents, e.g., TEMPs?
 - What assistance and/or oversight is SSE/AS expected to provide to these programs, especially for the ERAM pilots?
 - o SSE/AS needs working-level DBSAE/BTA points of contact in order to engage relevant programs in a dialog and assist them in their endeavors
 - o See potential to conduct ERAM reviews and/or offer DAPS as ERAM assessment tool



Way Ahead

- What is the next step?
 - Need answers to oversight questions



Questions/Discussion



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