

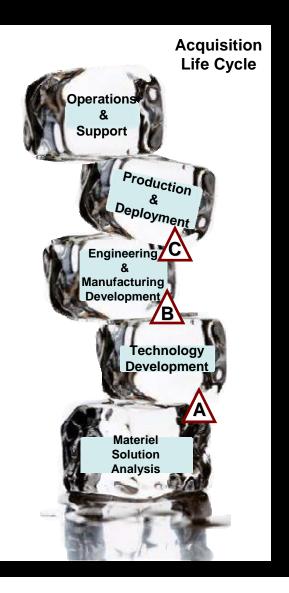




Research Objective

### What this Research was About

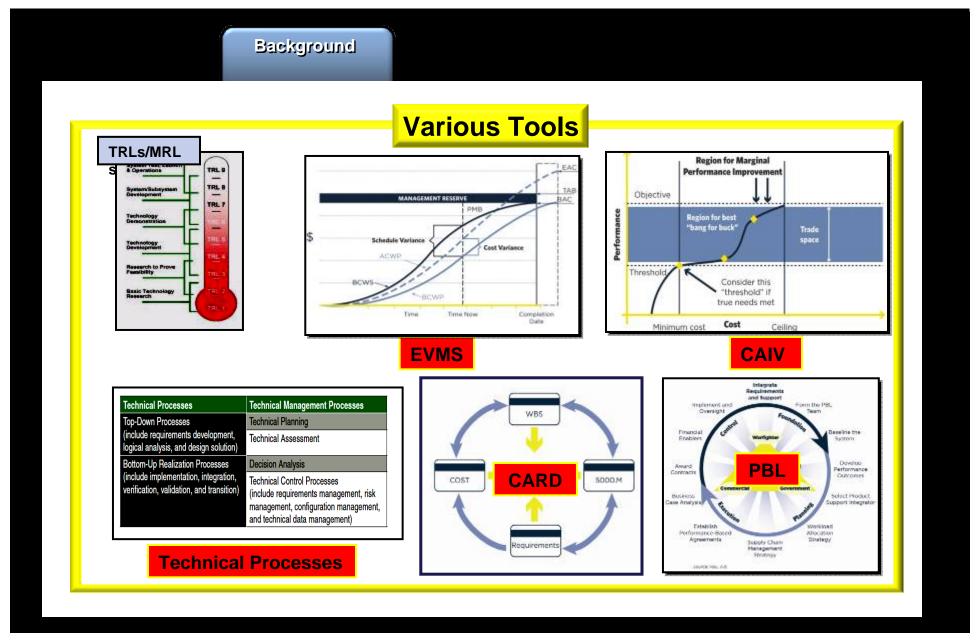
- Review Total Life Cycle Cost Management (LCCM) theories in the Context of Cost Containment
- Solicit Program Mangers' overall Views on LCCM and Cost Containment
- Identify LCCM technique PMs Practice
  Today and their <u>Usefulness</u>, <u>Applicability</u> & <u>Opportunities</u>
- Find More Aggressive Cost Containment Strategies and Methodologies that Could Shift Acquisition Outcomes Upward and Contain Costs



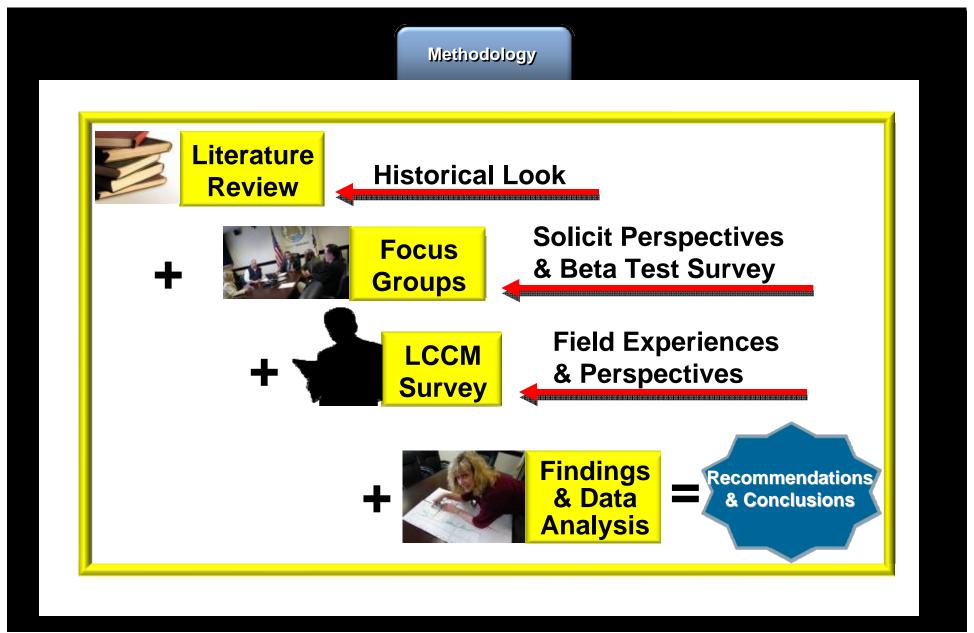




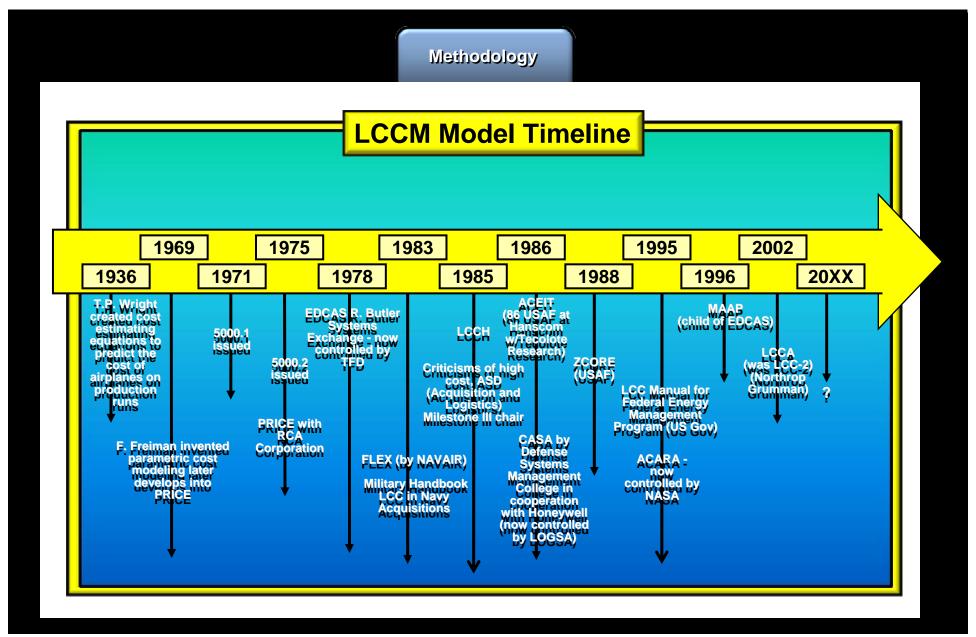














### Methodology

### **Quantify LCC Models**













LCC Model Types		Model Owners	Applicability & Usefulness Across Life Cycle	Ease of Use	Data Dependencies & Model Limitations	Current users
ACARA	Availability, Cost, And Resource Allocation	NASA	?	?	?	?
CASA	Cost Analyses Strategy Assessment	LOGSA	?	?	?	?
EDCAS	Equipment Designer's Cost Analysis System	TFD Group	,	?	?	?
MAAP	Monterey Activity-base Analytical Platform	TFD Group	,	?	?	?
FLEX	Navy Material Command LCC Model	NAVAIR	;	?	?	?
LCCA	Life Cycle Cost Analyzer	Northrop Grumman	?	?	?	?
LCCH	Life Cycle Cost Model	Air Force (TASC)	?	?	5	?
Price	Family of Models for Costing/Evaluation	Lockheed Martin	;	?	?	?
ZCORE	Cost Oriented Resource Estimating Model	USAF	,	?	;	?
ACEIT	Automated Cost Estimating Integrated Tools	(USAF, USA)	?	?	?	?



Methodology

### **Focus Group Comments**

### Session 1

- LCCM discussions tend to be short-lived
- Apparent lack in LCCM discipline and absence of cross communication in programs that generally need it the most
- Funding allocations and key decisions typically seem to be focused on development and not sustainment
- "illities" are generally not well-defined enough
- Establish a formulary similar to TRLs where a program could not proceed to the next phase until it demonstrated some minimum level of achievement
- Institute a LCC breach construct (similar to the intent behind Nunn-McCurdy breaches



Methodology

### **Focus Group Comments**

### Session 2

- LCCM typically suffers from a lack of sufficient cost detail to adequately address sustainment costs that predominate once systems find their way into operations
- Funding instability makes cost containment insurmountable
- •Funding instability creates a gyrating funding baseline on top of other strategic concerns including:
  - > Industry partners who are not necessarily motivated by cost containment
  - > Frequent changes in requirements
  - Internal staffing shortfalls that are sometimes tough to fill
  - Lack of certain key functional experience in program offices, and
  - Cultural realities that emphasize program survival over program affordability





# LCCM Survey

### **Survey Target Audience**

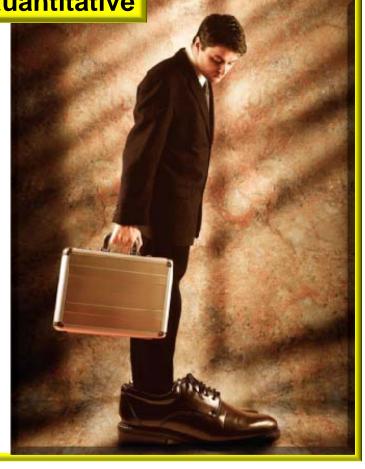
- Eight hundred and eighty-seven current and former DoD Acquisition Professionals responded to this survey
- Five hundred and forty three respondees were either current or former DoD Program Managers
- Solicited Views on Cost Containment including various tool types and associated processes were Solicited
- Analysis centered on PMs with over 11 years of experience in ACAT IC and ID programs.



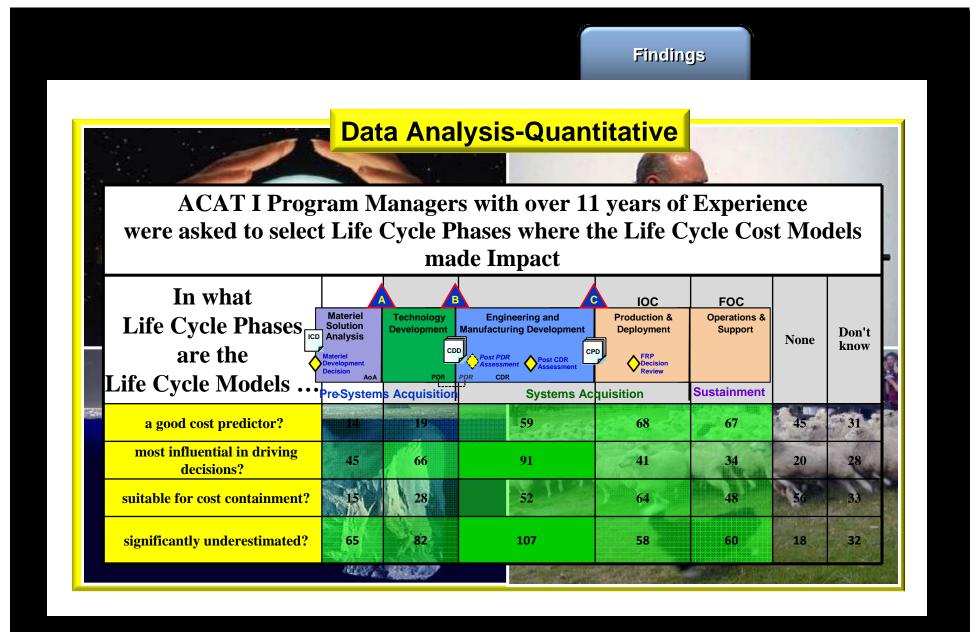
Findings

Data	Anaiy	/SIS-Q	uan	titati	<b>ve</b>
			Name of		

	ACAT I Program Managers with over 11 years of experience					
LCCM Models	No Experience with Model	I IVIOGEI				
	Not Familiar or Not Used	Not Useful	Useful	One of the Best		
ACARA	87%	2%	10%	1%		
CASA	78%	2%	18%	2%		
EDCAS	90%	2%	7%	1%		
MAAP	89%	2%	7%	2%		
FLEX	91%	3%	4%	2%		
LCCA	72%	3%	22%	4%		
LCCH	74%	2%	21%	3%		
PRICE	73%	2%	23%	3%		
ZCORE	92%	2%	3%	0%		
ACEIT	70%	2%	24%	4%		

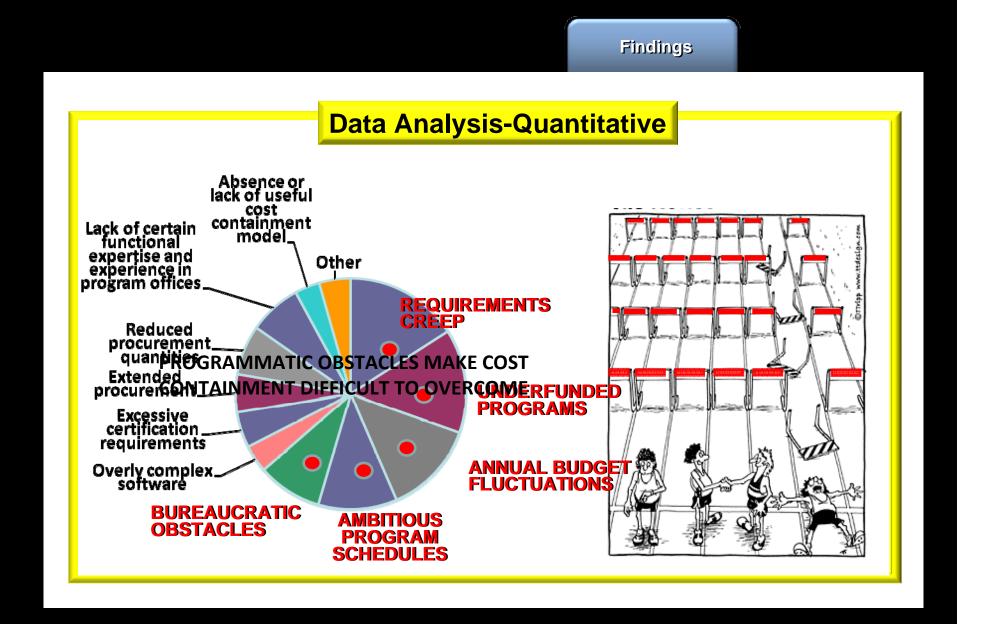




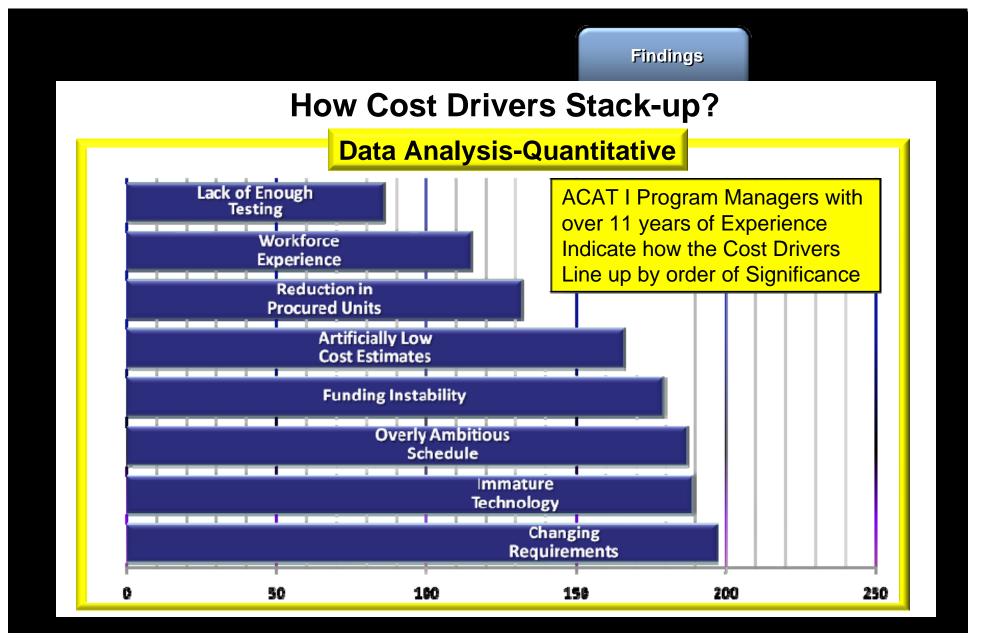




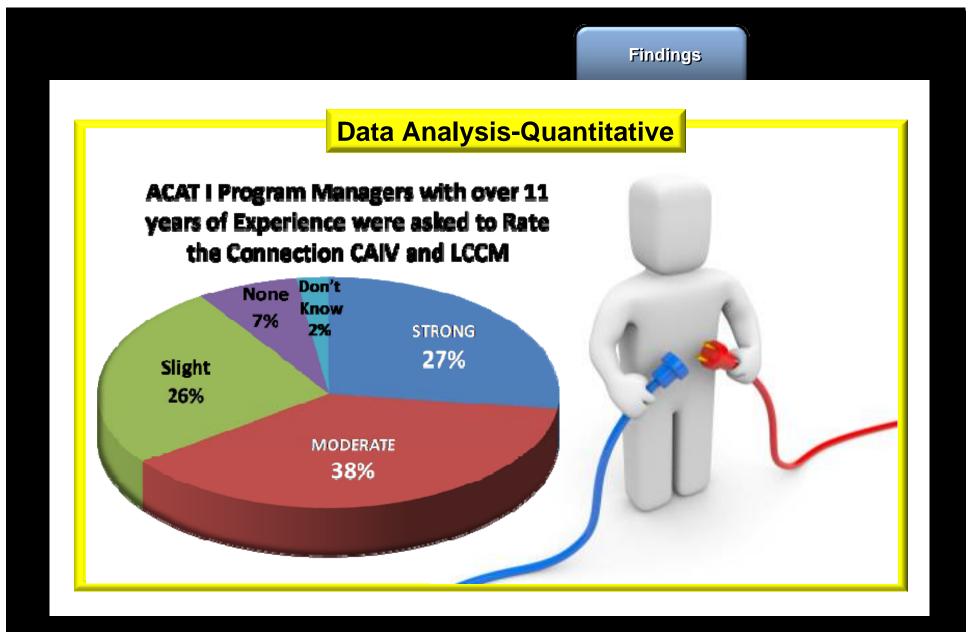
# Re-Energizing a Key Acquisition Tool 13



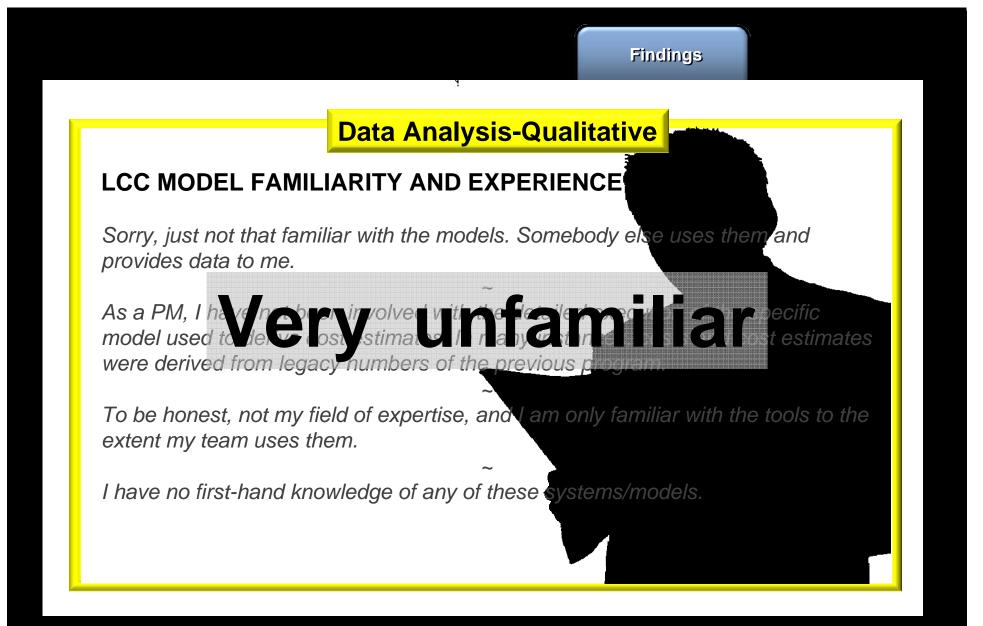




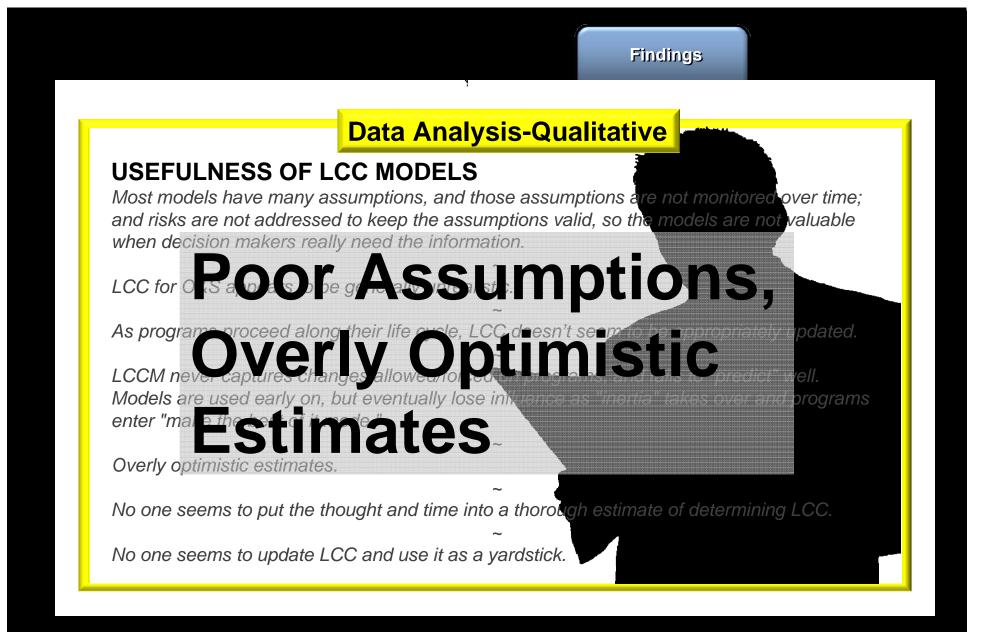




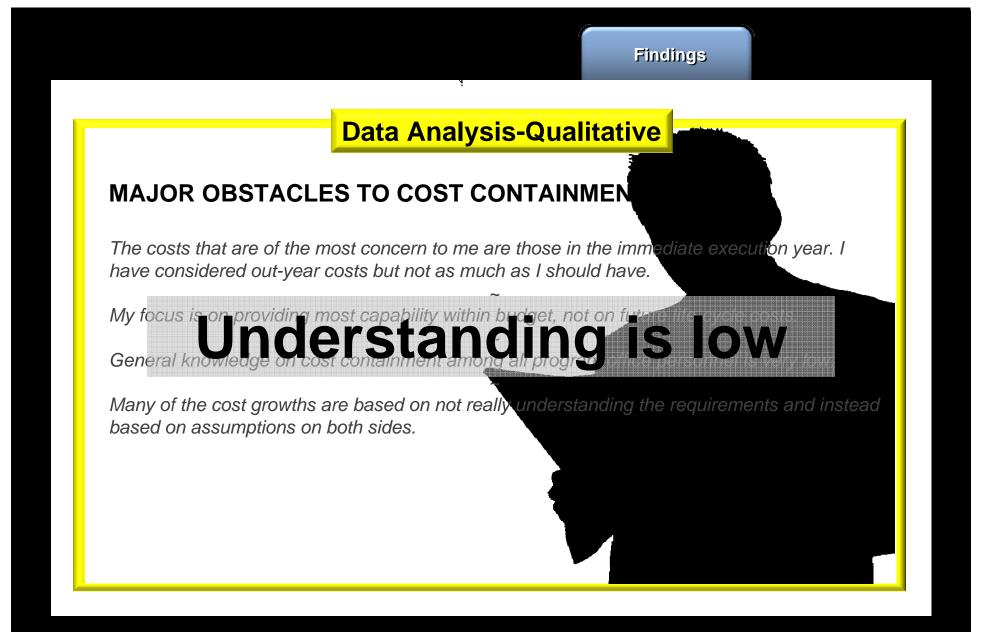




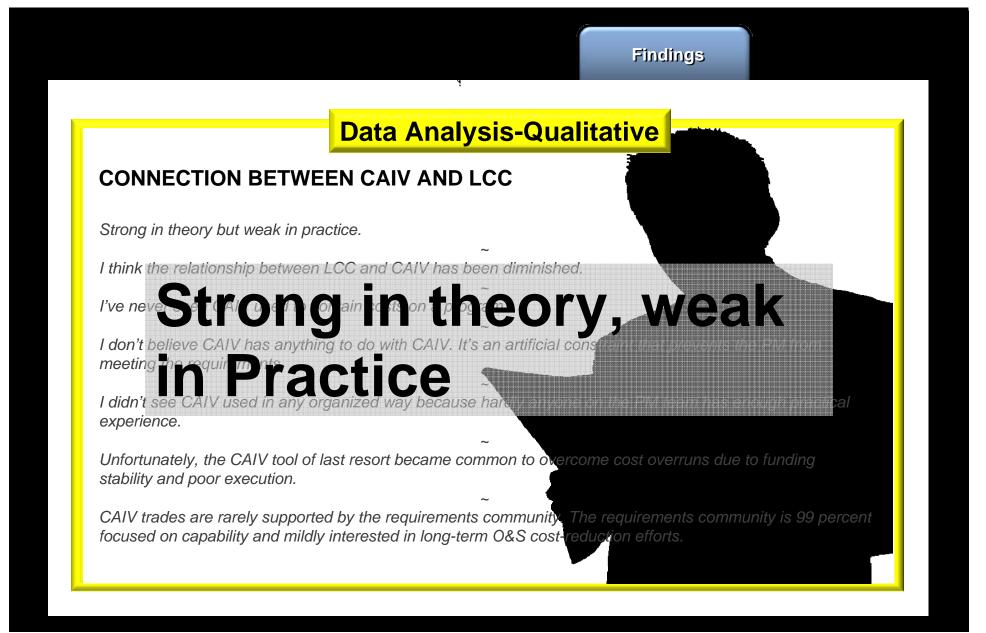




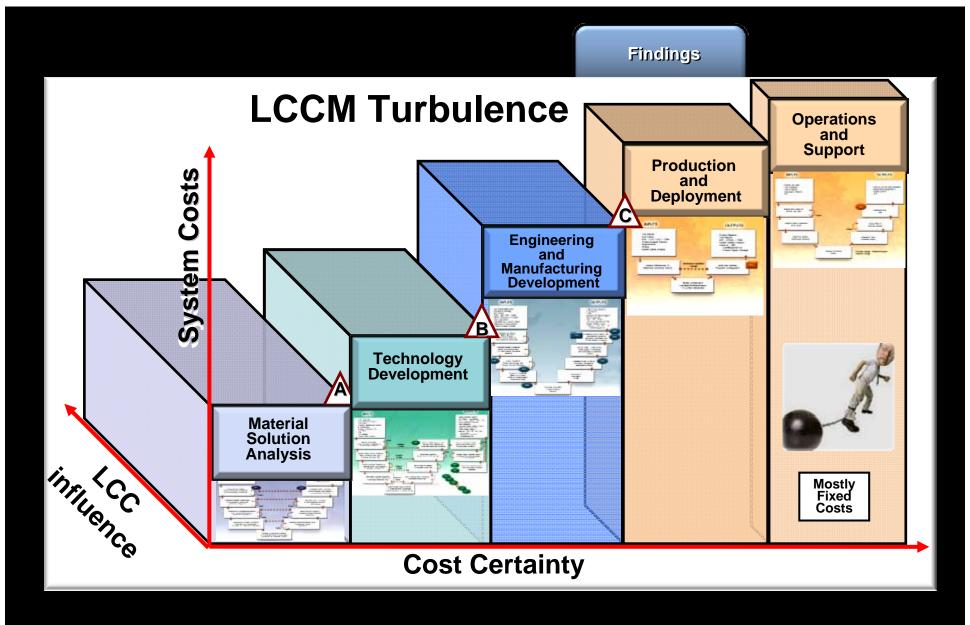














Recommendations & Conclusion

### **Recommended Actions**

- Make cost containment everyone's business
- Elevate LCC to a Key Performance Parameter
- Continuously challenge strategies
- Base cost decisions on programmatic realities and more current data
- Establish an LCC Continuous Learning Model (CLM)
- Add an LCC best practice link to each functional Community of Practice (CoP)
- Establish LCCM trip wires throughout a program's life cycle
- Reward and incentivize PMs for containing and/or lowering costs
- Develop cost-containment strategies that are carefully evaluated and painless to execute
- Promote more CAIV



Recommendations & Conclusion

### Conclusions

- Fewer new systems will be built and fielded
  - More pressure will be exerted on extending and sustaining current systems
  - More pressure can be expected on containing costs
- PMs must:
  - Challenge the programmatic "cost status quo" at every juncture and not just the major milestones
  - No longer "kid themselves" about what something is going to cost
  - Tightly integrate the art and the science of containing costs