



The Acquisition Process and the “Road To CEC OPEVAL”

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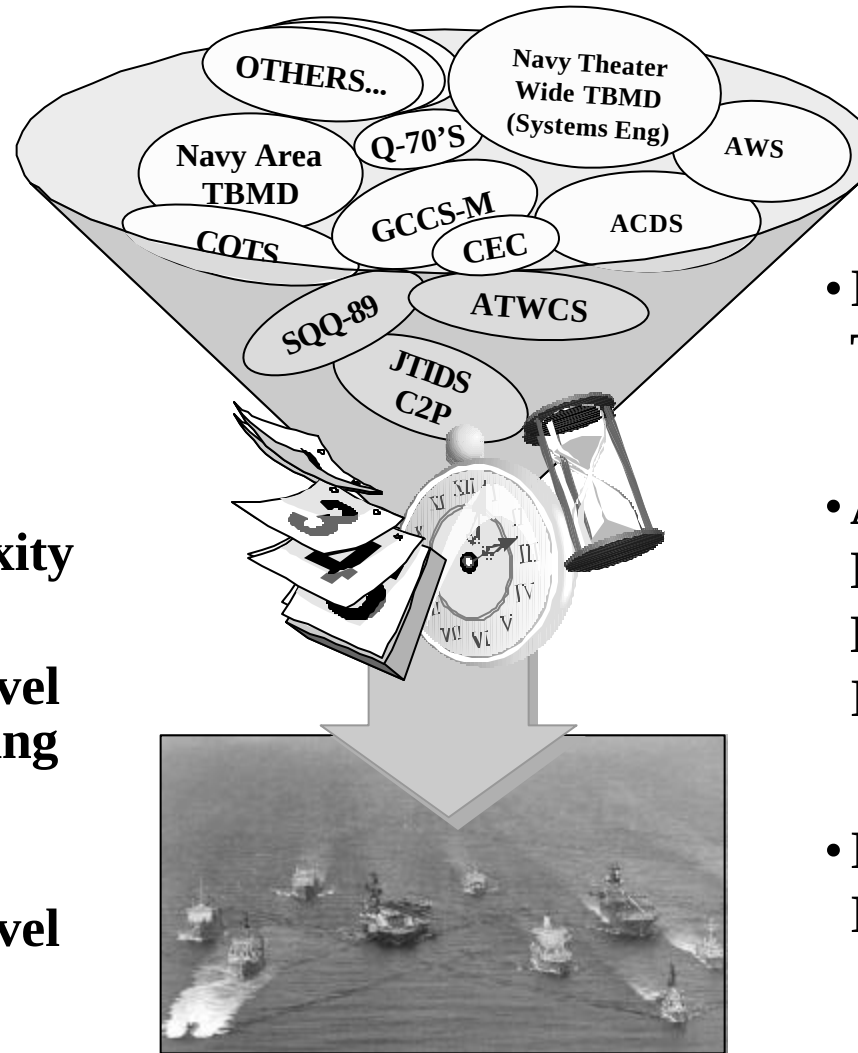


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WHAT BROUGHT US HERE?

- Legacy Systems
- Overaggressive Schedules
- Size and Complexity
- Lack of Force Level System Engineering Process
- Lack of Force Level Performance Validation



- Inadequate Shore Based Testing
- Acquisition Paradigm Not Synchronized With Move Toward Integrated Battlegroups
- Inadequate Interoperability Design

NEEDED TO PAUSE AND RETHINK...THIS IS ROCKET SCIENCE!





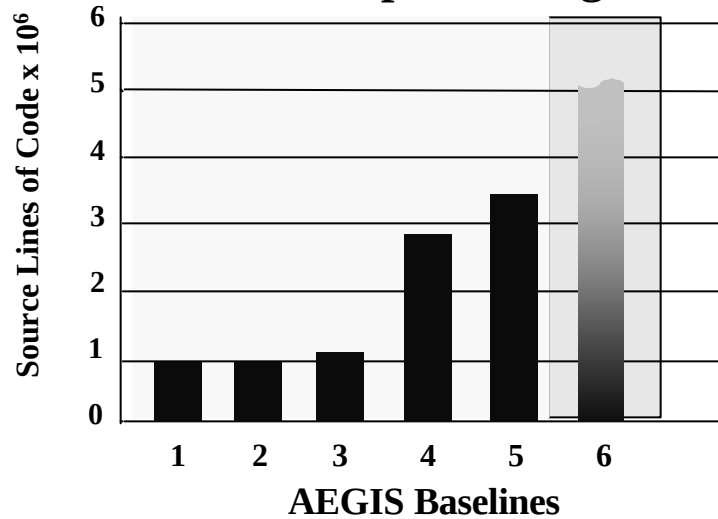
INCREASED COMPLEXITY

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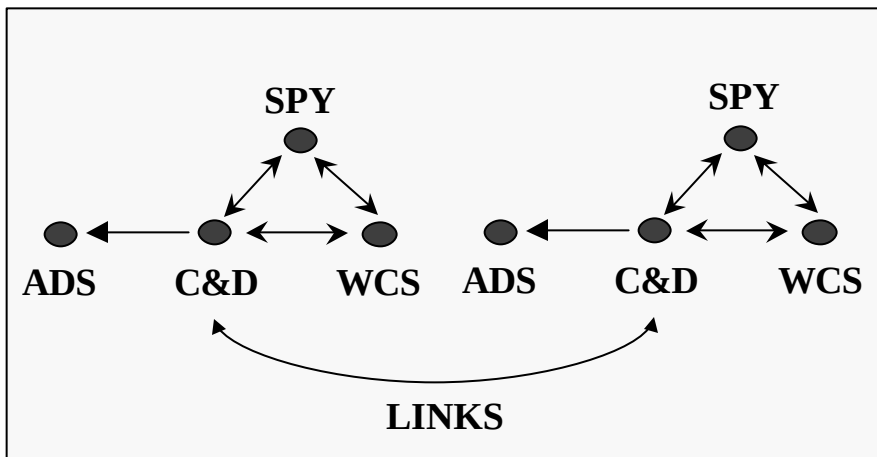
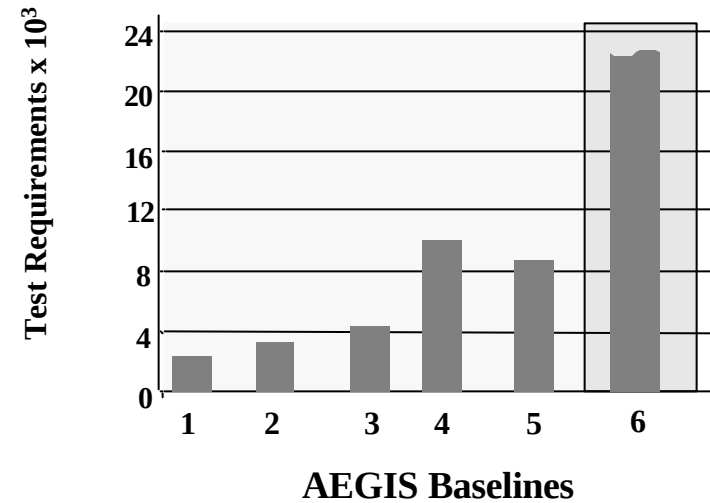
INCREASED SYSTEMS ENGINEERING



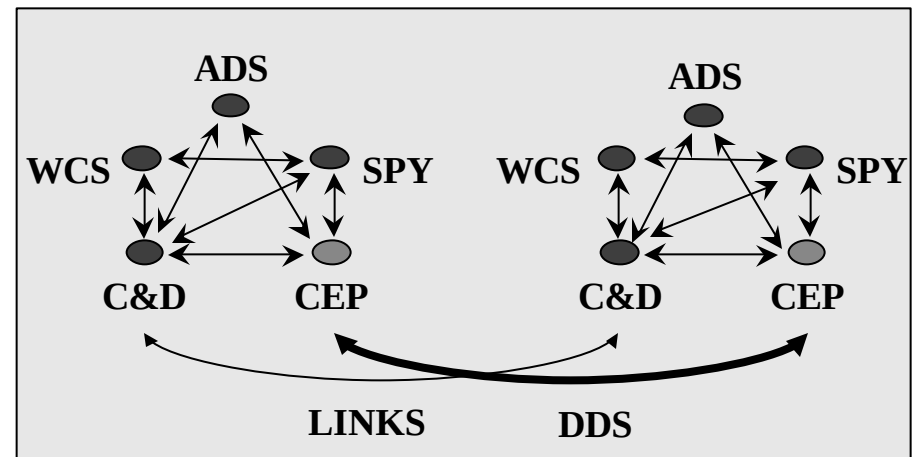
Size of Computer Programs



Element Test Events



THEN



NOW

Analysis - Framework-

The CTIs address performance in four areas:

–Detect-to-Engage:

- CTI 1 – Depth of Fire
- CTI 2 – Cooperative Engagement
- CTI 3 – Identification
- CTI 4 – Composite Tracking

–Data Distribution

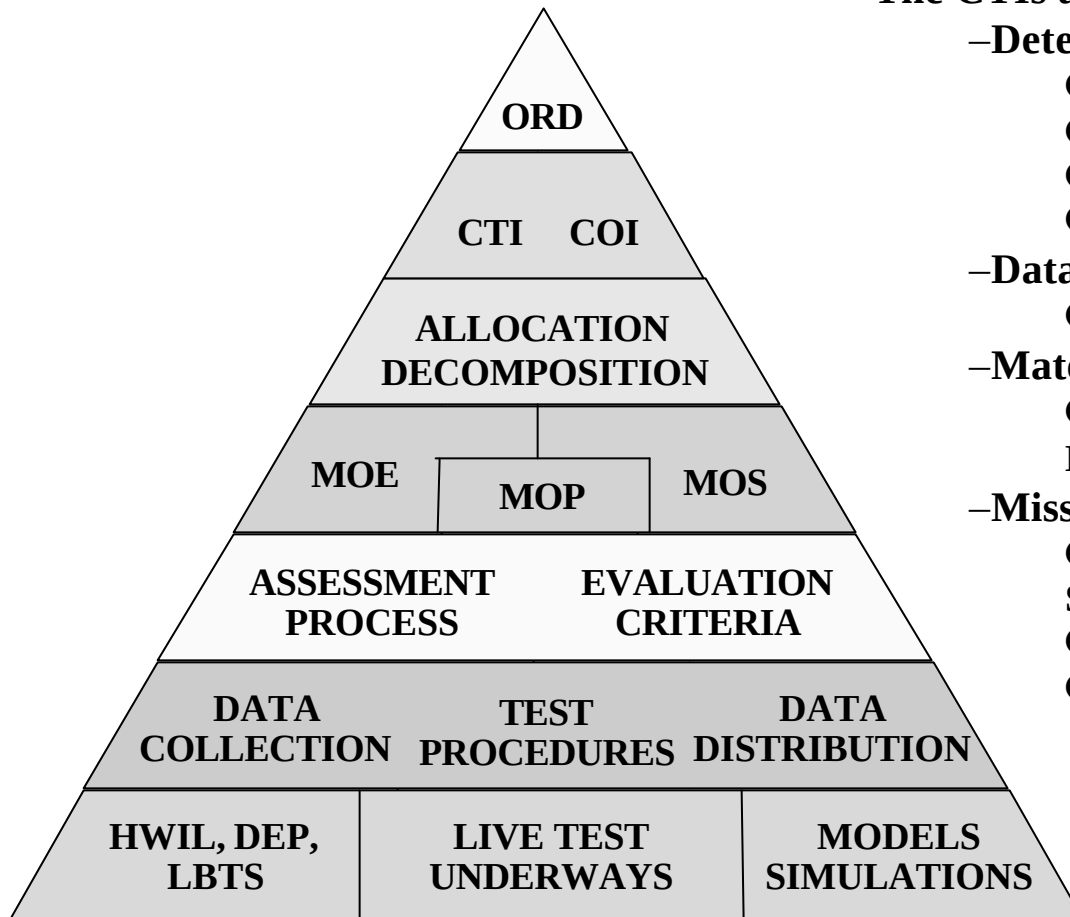
- CTI 5 – Data Distribution

–Material Readiness

- CTI 6 – Reliability, Availability, and Maintainability

–Mission Information Management

- CTI 7 – Distributed Air Defense System Support
- CTI 8 – Common Tactical Picture Support
- CTI 9 – Force Interoperability

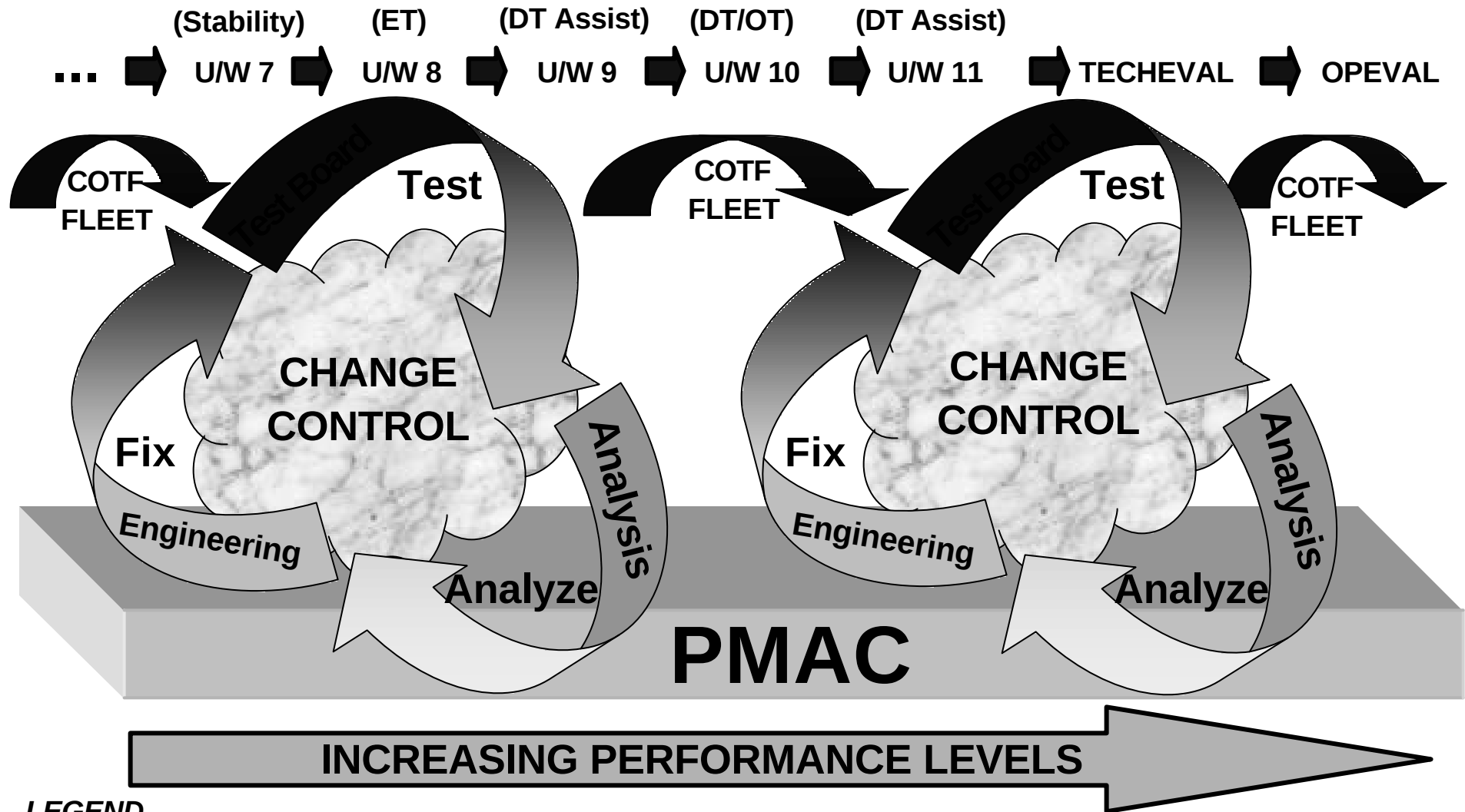


- Derived from CEC ORD Requirements
- Derived from CEC ADM Requirements

CTIs provide the principal means for the assessment of CEC ORD and ASN RD&A ADM requirements.



Interoperability Task Force: Test - Analyze/Assess - Fix



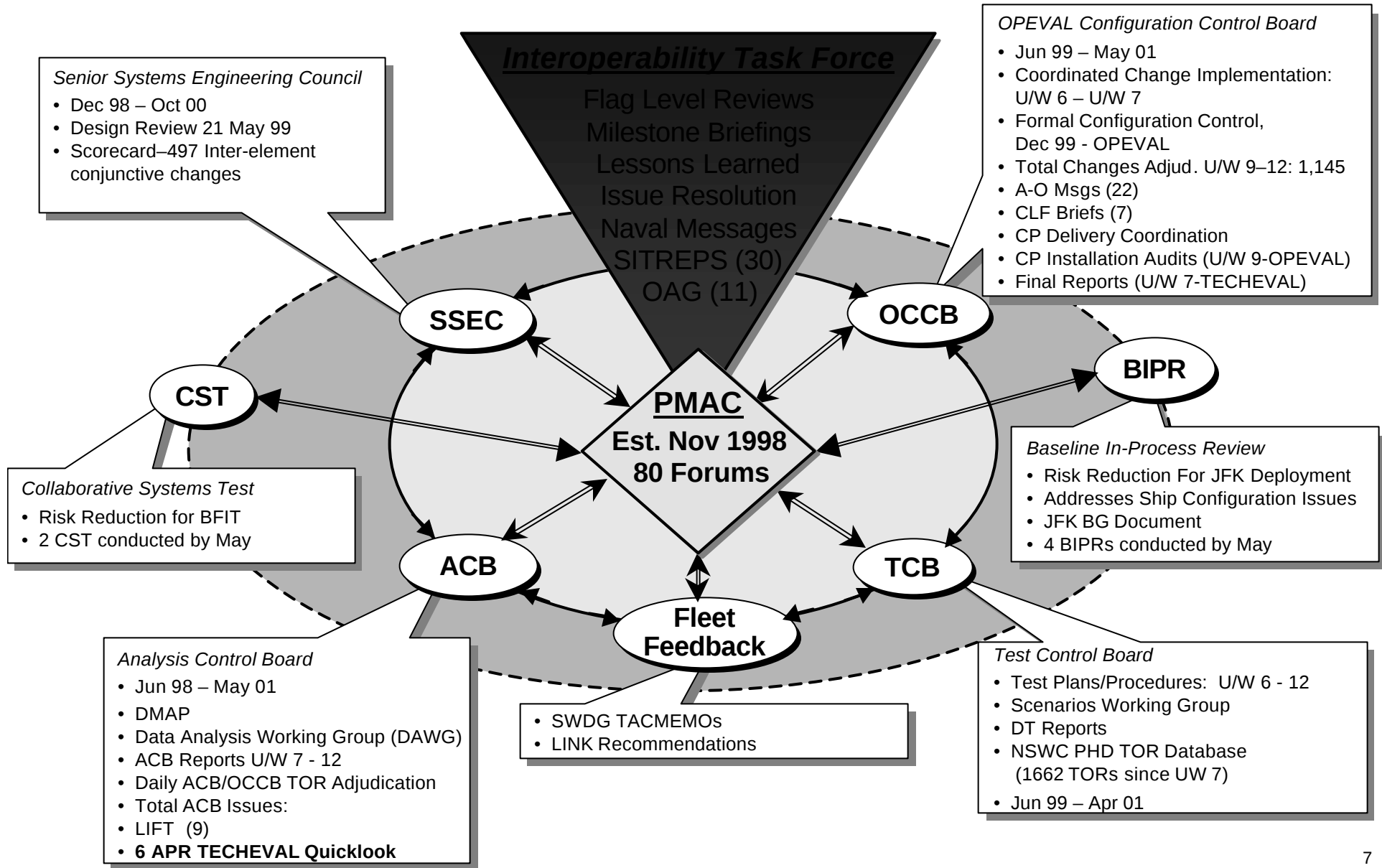
LEGEND

PMAC - Program Managers Advisory Council
COTF - Commander Operational Test & Evaluation Force

Test - Analyze/Assess - Fix

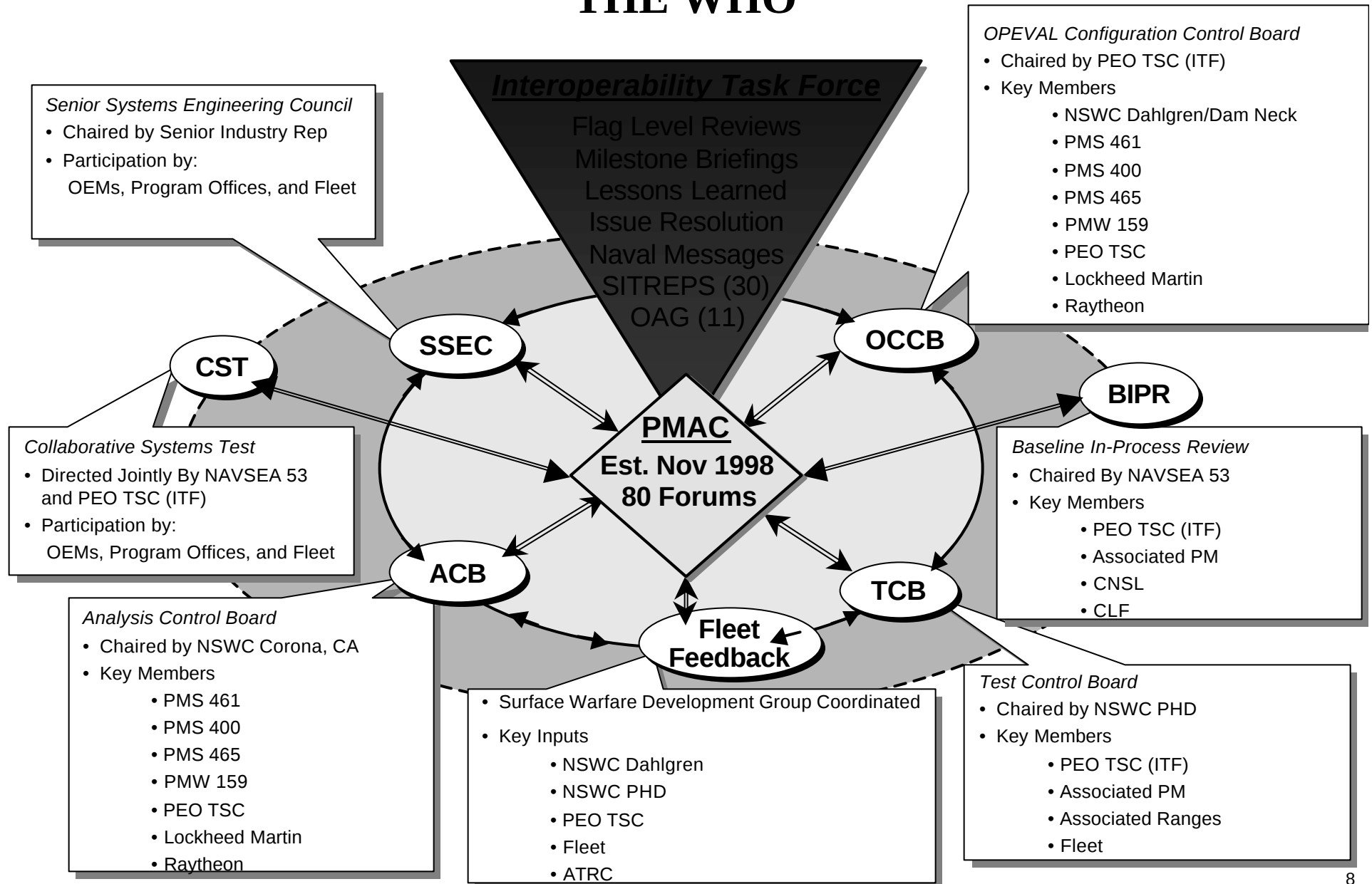


ROAD TO CEC OPEVAL ACQUISITION CONSIDERATIONS “THE WHAT”



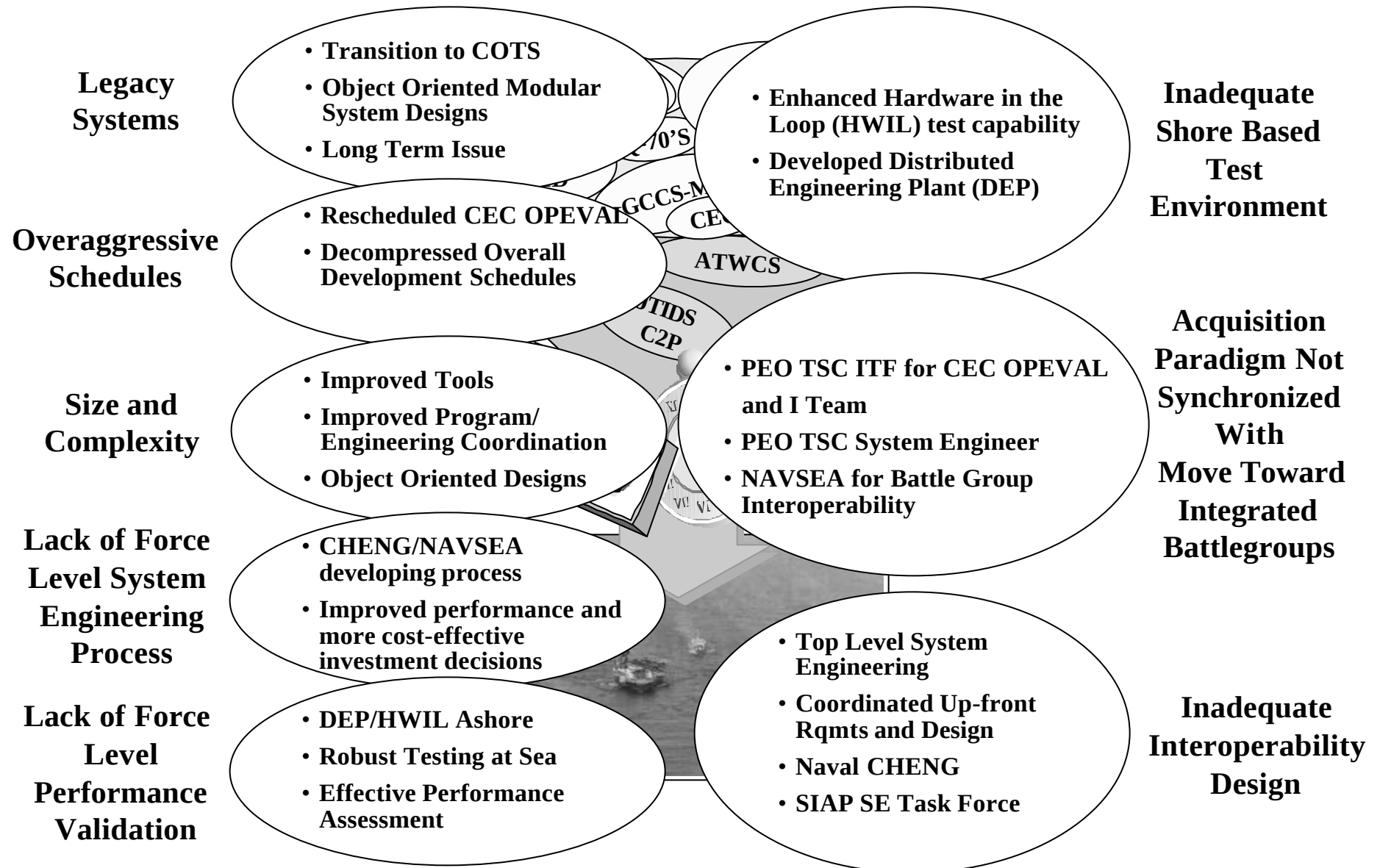


ROAD TO CEC OPEVAL ACQUISITION CONSIDERATIONS “THE WHO”





WHAT BROUGHT US HERE “OUR SCORECARD”



RIGHT DIRECTION...A LONG WAY TO GO



In Summary

- Solutions to “Interoperability” in the Acquisition Process must account for the continuous increase of the complexity of our systems
- Engineering of interoperable systems requires rigorous pursuit of analysis...the Acquisition Process must fully support an executable analysis framework
 - Absolutely necessary...probably not sufficient
- Acquisition Processes must evolve to account for the Interdependency of Programs
- Acquisition Processes must support fixing problem....not just identifying them
- Finally...the Acquisition Process has to account for the attraction and motivation of talented people. This is (and will remain) for the immediate future resource and labor intensive.
 - Consistent resource sponsorship is fundamental to progress

