



# **Open Architecture Summit**

**Mr. Chris Deegan**

**Executive Director**

**Program Executive Office Integrated Warfare Systems**

**Sponsored By Defense Daily**

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# Challenge

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**Can a qualified third party – Big or Small . . .**

- add,**
- modify,**
- replace,**
- remove, or**
- provide support**

**for a component of a system, based on open standards and published interfaces.**



# Program Executive Officer Integrated Warfare Systems

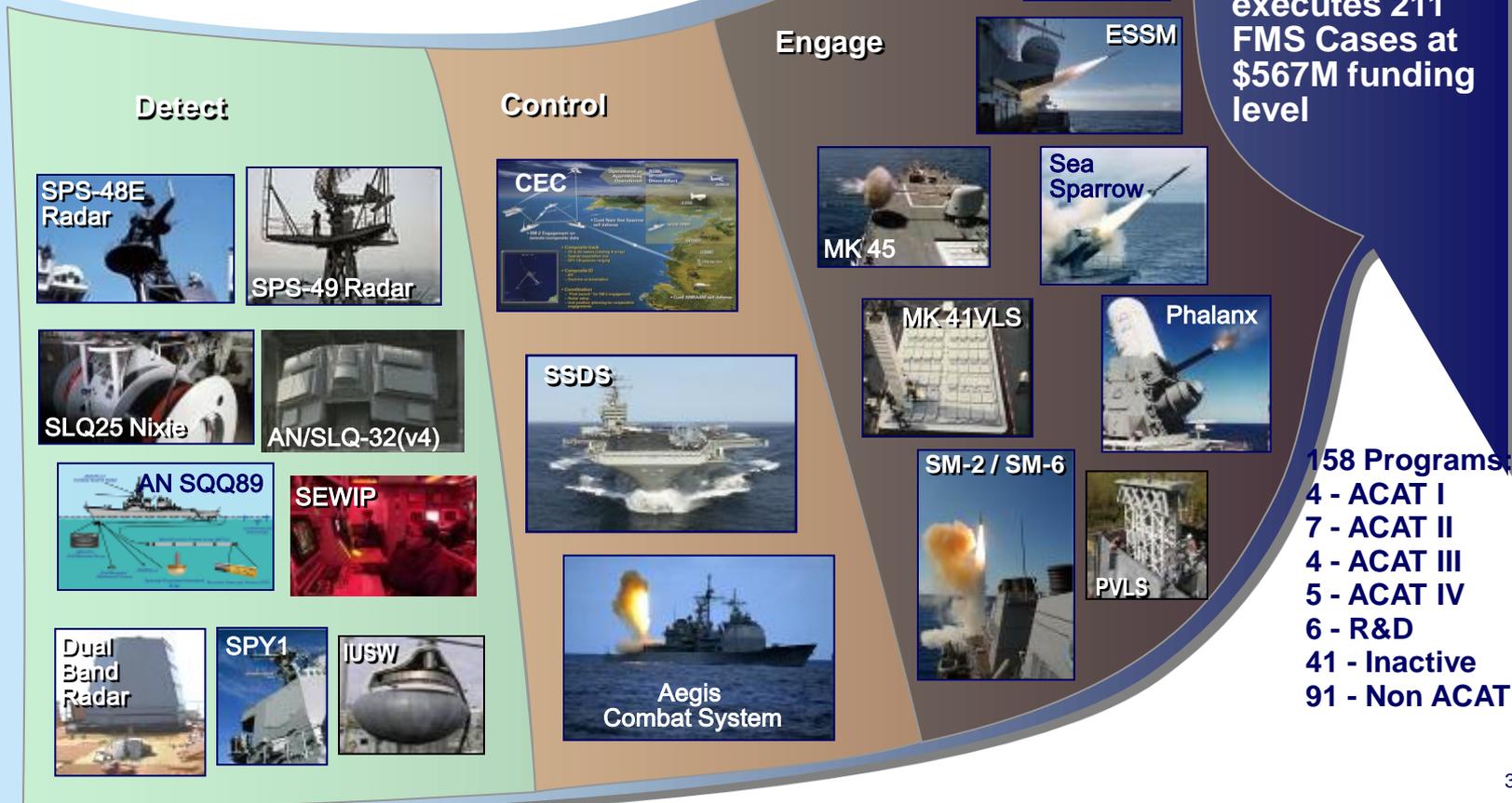
- The PEO IWS organization is aligned to develop, procure and deliver Enterprise Warfighting Solutions for Surface Ships
  - PEO IWS has life cycle responsibilities for combat system performance, design management, systems engineering, installation, integration, test, maintenance and disposal

## DELIVERY

- 238 USN Ships
- 8 USCG Ships
- 25 Nations
- PEO IWS executes 211 FMS Cases at \$567M funding level

## INNOVATION

- APLs
- Industry
- NSWC
- NUWC
- ONR
- SBIR/SST
- DARPA
- Aegis BMD





# Five Areas for Improvement

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

*Ashton Carter, Under Secretary of Defense for Acquisition, Technology & Logistics,  
September 14, 2010*



# Understanding Data Rights

- **A data rights license comes with delivery**
- **Navy will exercise data rights strategically**
- **Use data rights to escape vendor lock**
- **Proprietary systems will fully disclose interface definitions**

**Better Buying Power:  
Understanding and Leveraging  
Intellectual Property Rights in  
DoD Acquisitions**



*Prepared by the  
Department of Defense Open Architecture Team*



# OA Accomplishments Across the Navy

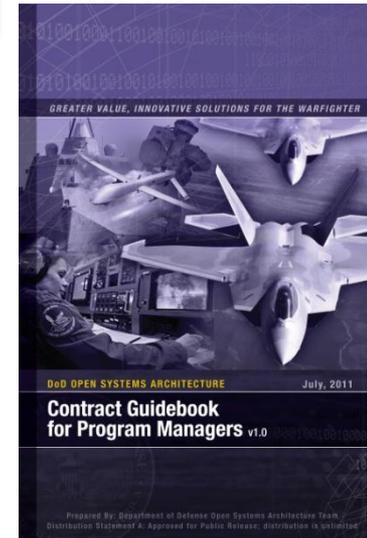
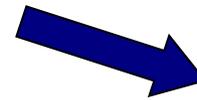
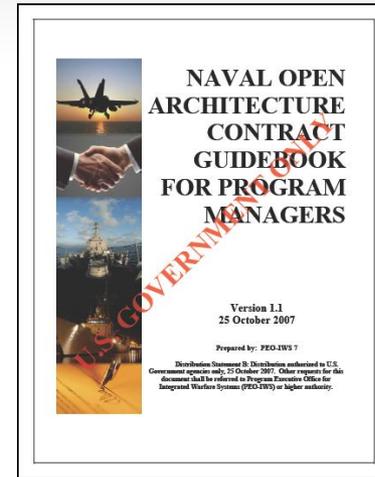
- **Submarine Warfare Federated Tactical Systems (SWFTS) model**
- **Acoustic Rapid COTS Insertion (ARCI)**
- **Littoral Combat Ship (LCS)**
- **SHARE on Forge.mil**
- **AN/SQQ-89A(V)15 Sonar**
- **NAVAIR Contracts Openness**
- **Mine Warfare Environmental Decision Aids Library (MEDAL)**
- **Maintenance Free Operating Period (MFOP)**
- **Consolidated Afloat Network Enterprise Services (CANES) Early Adopter Installations**
- **USMC Combat Operations Center (COC)**





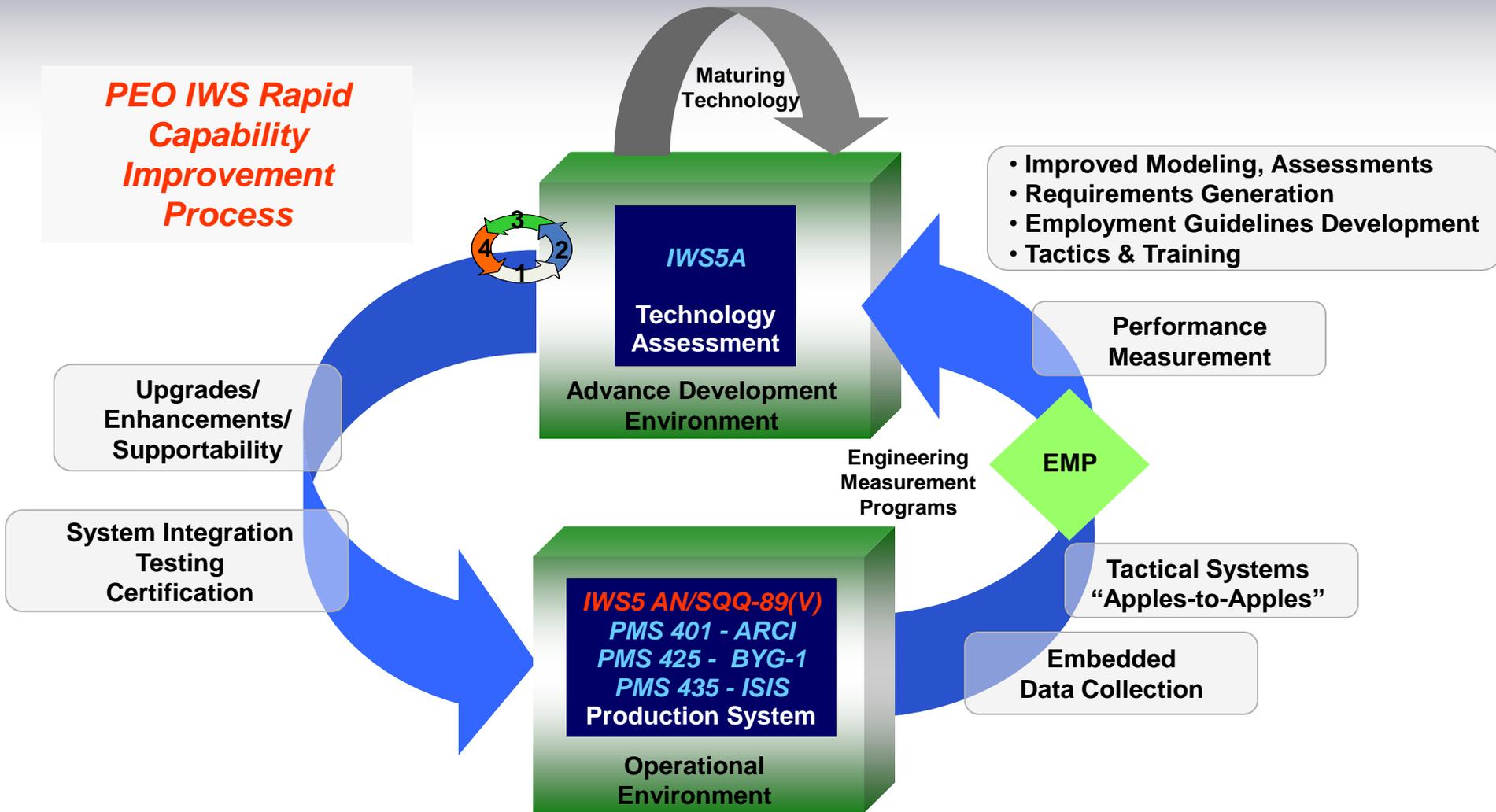
# History of the *Contract Guidebook*

- **The Naval OA Contract Guidebook for Program Managers**
  - ver. 2.0, Oct 2007
- **USD AT&L endorsed Navy's OA Contract Guidebook**
  - Better Buying Power
- **Lessons learned and best practices from practitioners across DoD's acquisition community.**
  - DoD OA CGB for PMs ver. 1.0, December 2011
- **The OA Contract Guidebook for Program Managers**
  - Billions of dollars in contract awards
  - Compendium of best practices
- **Guidebook utilization tool**
  - Used by IWS successfully





# System Performance Improvements Through Incremental Development



**A Proven Process for Rapid Capability Improvement**



# USW ACB Business Model

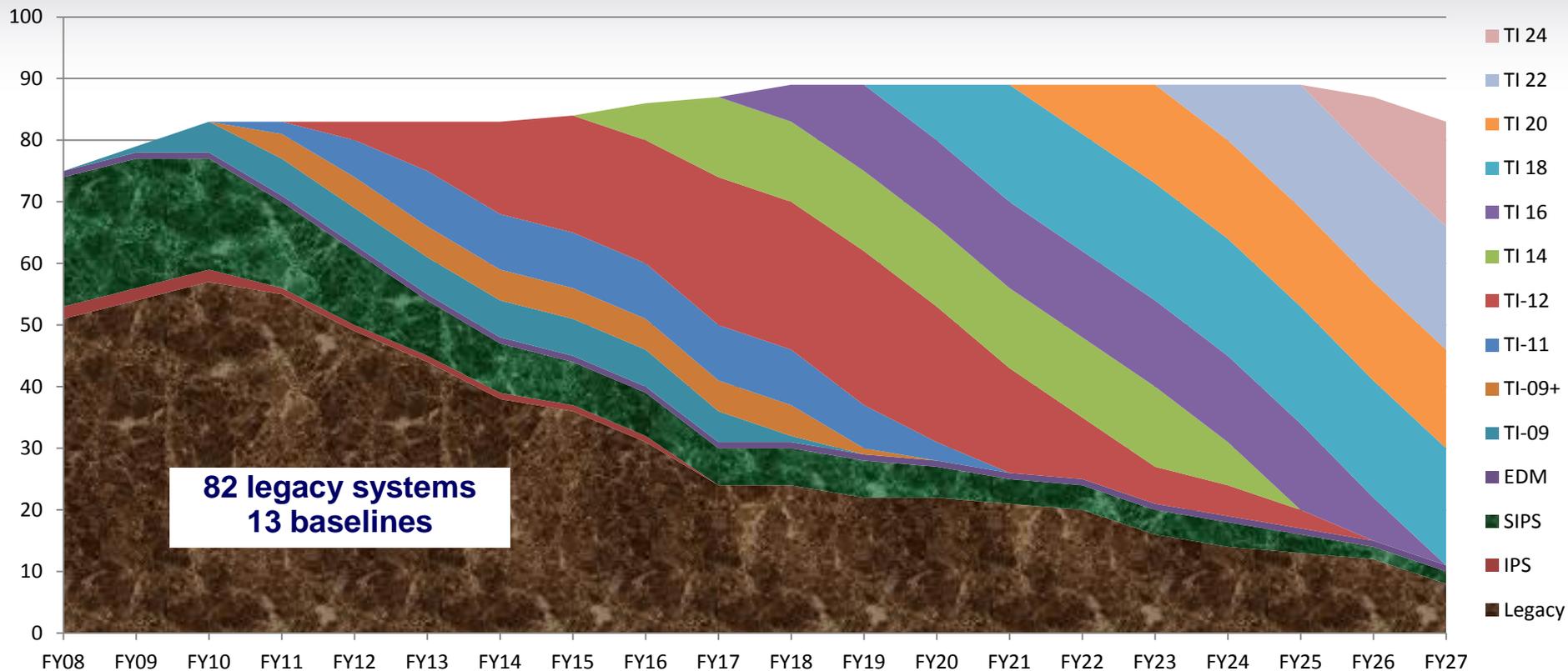
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TI-16	BAA for Developers								Design				Procure																													
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	BAA for Developers												Initial Delivery "First of Class"																													

**ACB's named for year first delivered to the fleet.  
TI's named for first of two year procurement.**



# Surface Ship USW Combat Systems

## Legacy to Future Systems Hardware



**Tech Insertion strategy minimizes Support Costs and improves Training Posture**



# Utilizing Data Rights and Contracting – Powerful Tools for PEO IWS

- Past
  - CDS/CPS
  - Track Manager/Track Server
  - SEWIP Block II
  - MK41 VLS
- Current
  - AEGIS CSEA
  - Mk99 Illuminator
  - SQQ-89
  - CEC
- Future
  - SSDS
  - SEWIP Block III
  - AMDR
  - TBD