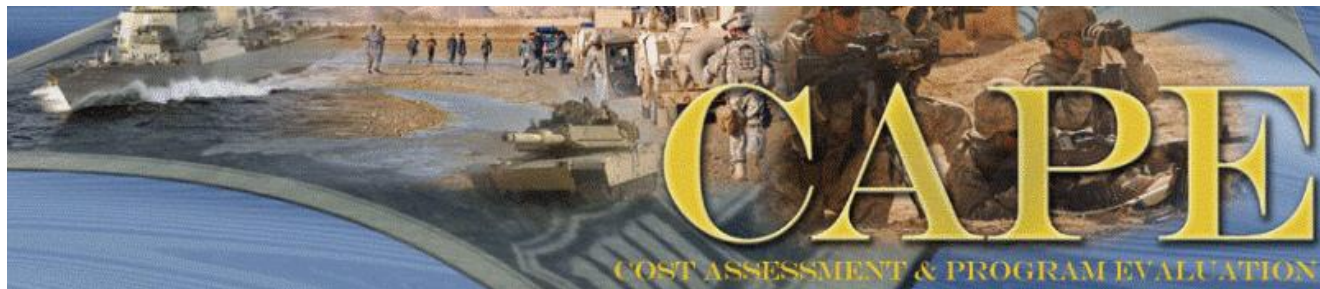


# Evolving Depot Maintenance Metrics



2012 DOD Maintenance Symposium

Chien Huo, Ph.D.  
Force and Infrastructure Analysis Division (FIAD)  
Cost Assessment and Program Evaluation (CAPE)  
Office of the Secretary of Defense

Peter R. Raymond  
LMI

November 13, 2012



# Outline

*OSD CAPE*

- Objectives
- Approach
- Metrics framework
- Metrics evolution
- Summary

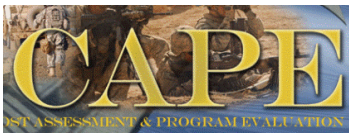


# Resources to Requirements Project Objectives

Unclassified

OSD CAPE

- Prepare for a highly competitive budget environment
- Ensure Services have sufficient funding to effectively meet the warfighters' needs
- Develop a method for Services to link maintenance requirements with varying funding levels
- Provide a common method for evaluating maintenance requirements and funding



# Approach & Accomplishments

OSD CAPE

- Collaborate with the Requirement Offices of military Service headquarters to identify appropriate metrics for linking requirements to resources
  - Apply a common data structure as a method for identifying requirements, risk, and resource allocations
  - Tailor the data structure to accommodate metrics that may vary by weapon system
- Integrate depot maintenance metrics into the Planning Programming Budget Execution System (PPBES)
  - Assessed funding in FY 2013 President's Budget (PB) and FY 2014 Program Objectives Memorandum (POM) with aircraft and ground vehicle metrics
  - Developing metrics of the following maintenance activities and types
    - Electronics and Communications Systems, Missiles, Ordnance Weapons and Munitions, and software sustainment

# Depot Maintenance Metrics Framework

OSD CAPE

Red, amber, green risk thresholds defined by Military Service HQ

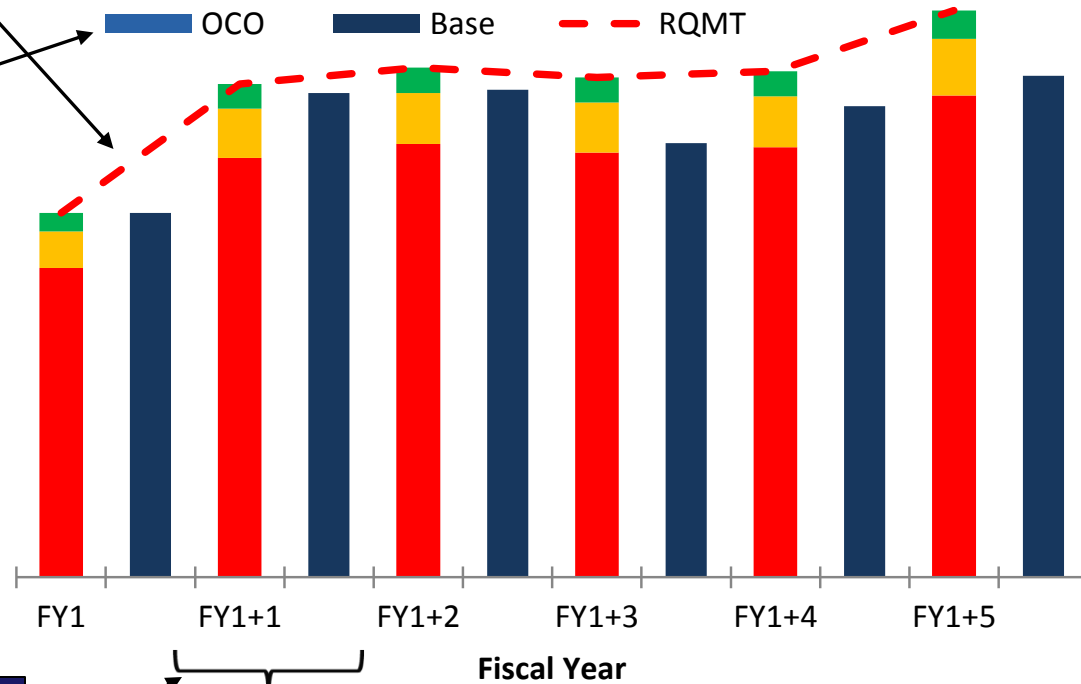
Framework applicable to single system or group of systems

## Notional Metrics Template

Green Amber Red  
 OCO Base RQMT

Overseas Contingency Operations (OCO) if budgeted

\$

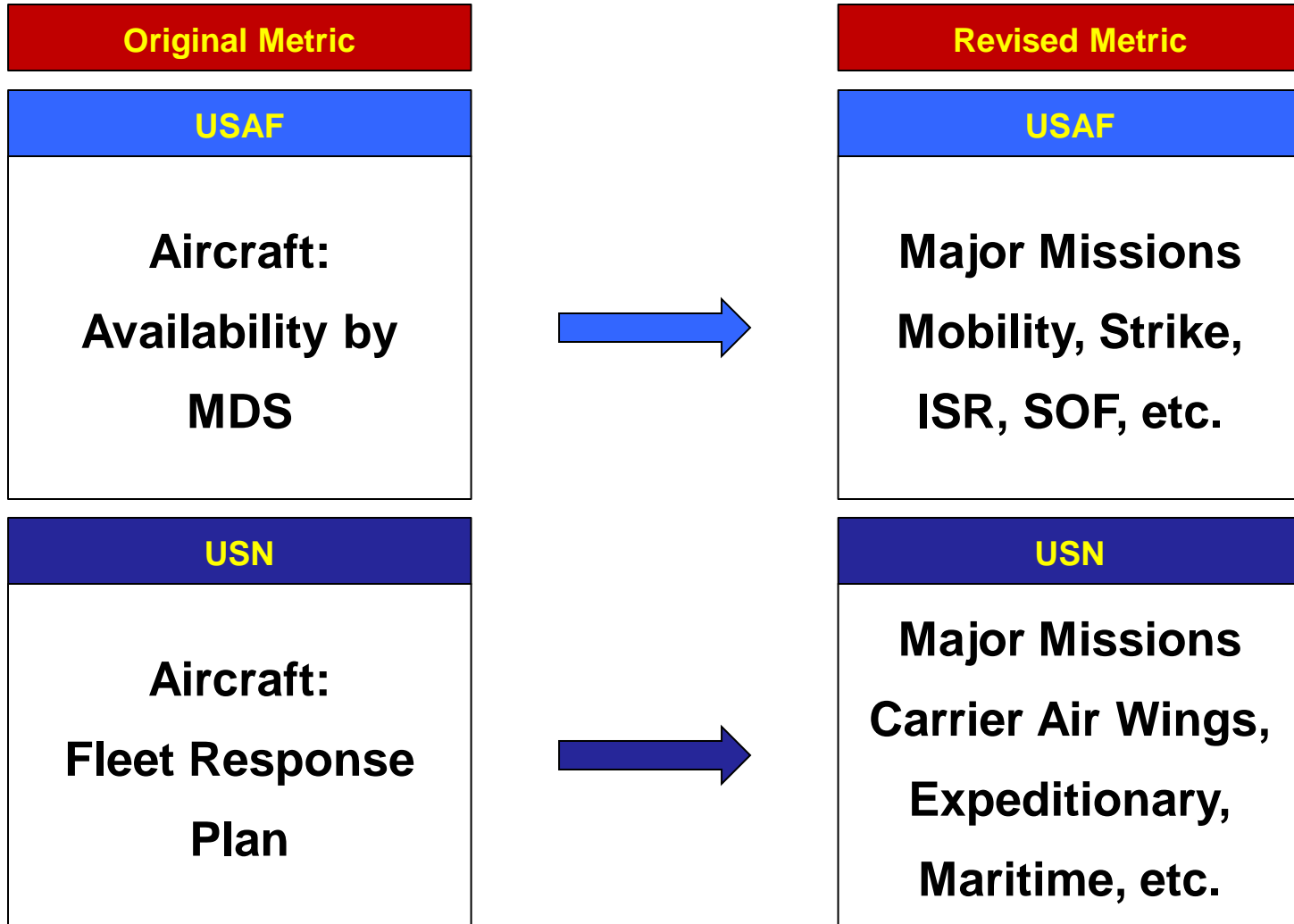


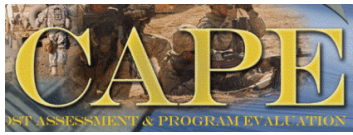
Funding compared to requirement



# Examples of Metrics Evolution

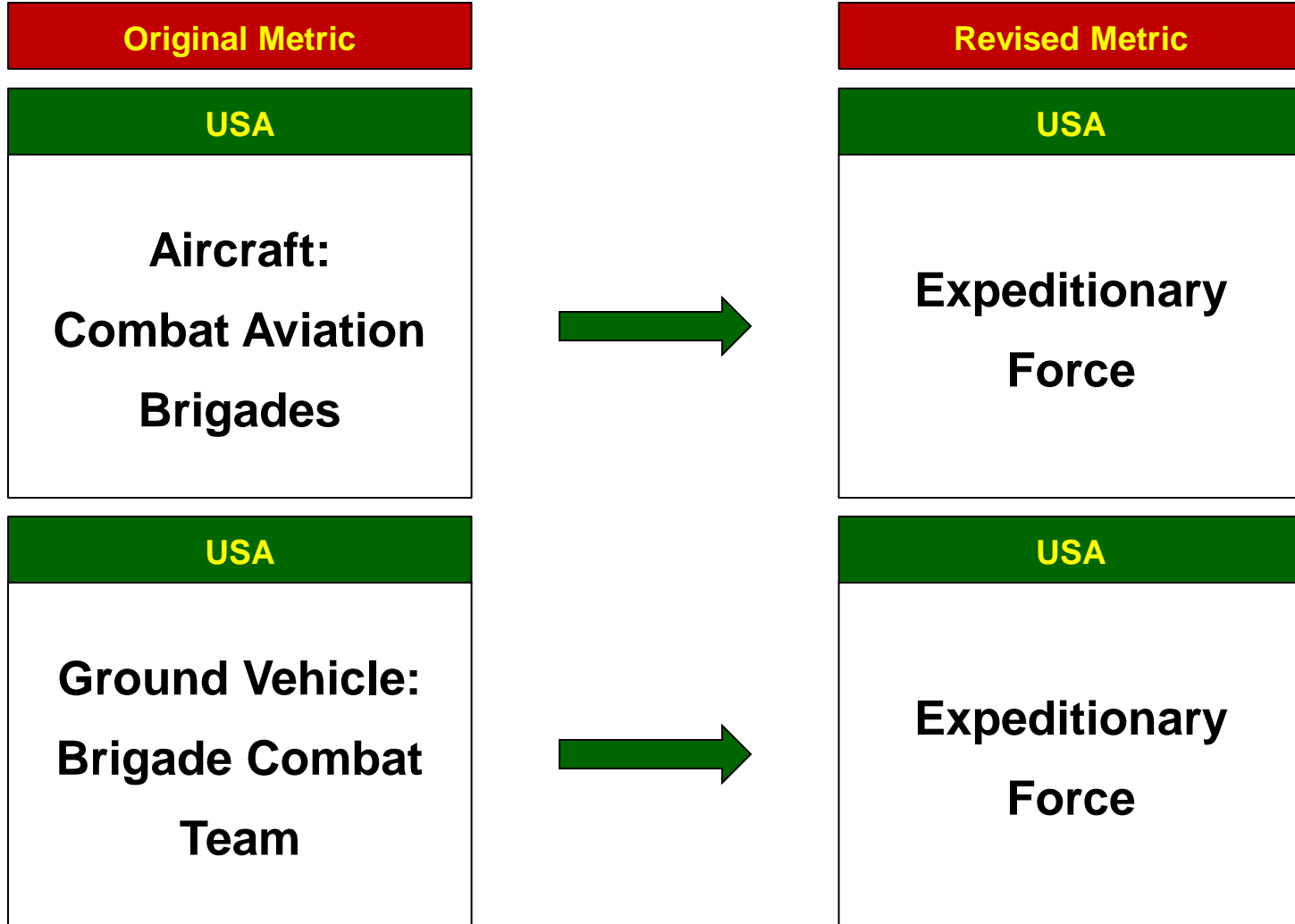
OSD CAPE





# Examples of Metrics Evolution (*Cont.*)

OSD CAPE





# Summary

OSD CAPE

- Constrained depot maintenance funding will continue well into the future
- Metrics will become increasingly essential to the defense of sufficient funding levels as resources decline
- The depot maintenance metrics development process is challenging, but the collaboration of the Military Services will ensure success.