

Inter Agency Technical Interchange Meeting (IATIM)

- December 7, 2010
- Anaheim, California

Discussions

1. Defining comprehensive Operation and Support DPHM requirements
2. Specifying and flowing down comprehensive DPHM requirements in contracts
3. Balancing proposal evaluation and award based on design for:
 - a. Mission Success
 - b. Sustainment
 - c. Availability
 - d. Safety
 - e. Total Ownership
 - i. Equal weighting of Acquisition Cost, Production, Performance and Sustainment
4. Overview of technologies available today and intra-agency research to support the design of effective DPHM solutions
5. Thoughts on DPHM requirements

Core Issue

Acquisition Reform: A Mandate for Change



Defense Procurement and Acquisition Policy

Mission

Enable the Service Components and Other Defense Agencies to effectively deliver equipment and services that meet the needs of the warfighter through innovative policy, guidance, and oversight while being good stewards of the taxpayers' money.

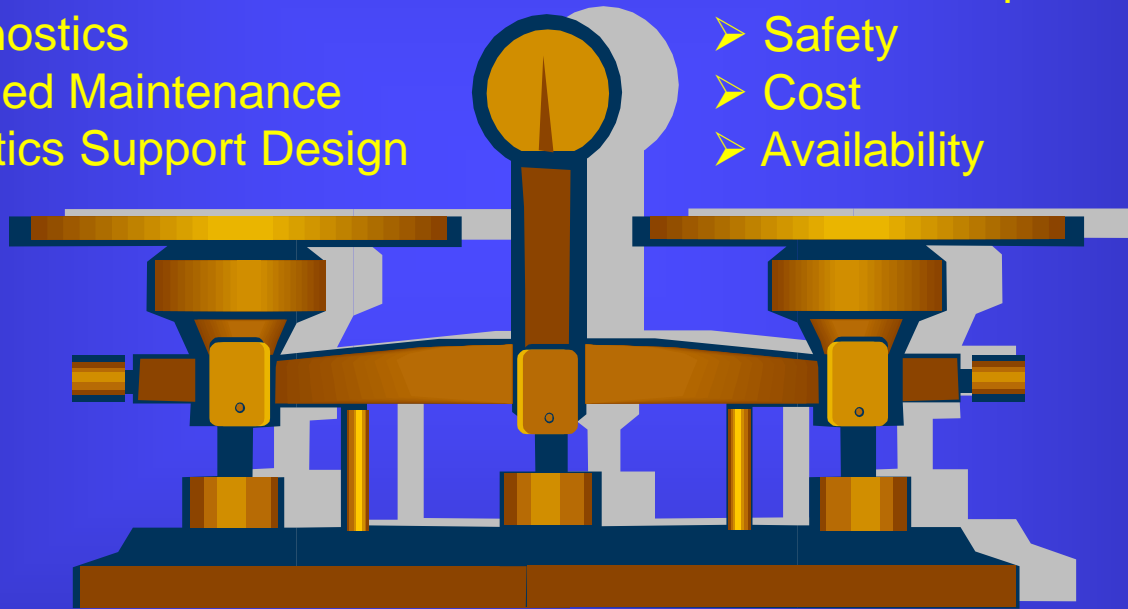


Standard Response to Diagnostics Design Plans

**This is extra effort
This is not required**

The Standard Response Violates Design Balance and Adds cost and Risk to the Project

- Diagnostics Design
- Embedded Diagnostics
- Corrective Maintenance
- Prognostics
- Planned Maintenance
- Logistics Support Design
- Operation Reliability
- Mission / Operation Success
- Safety
- Cost
- Availability



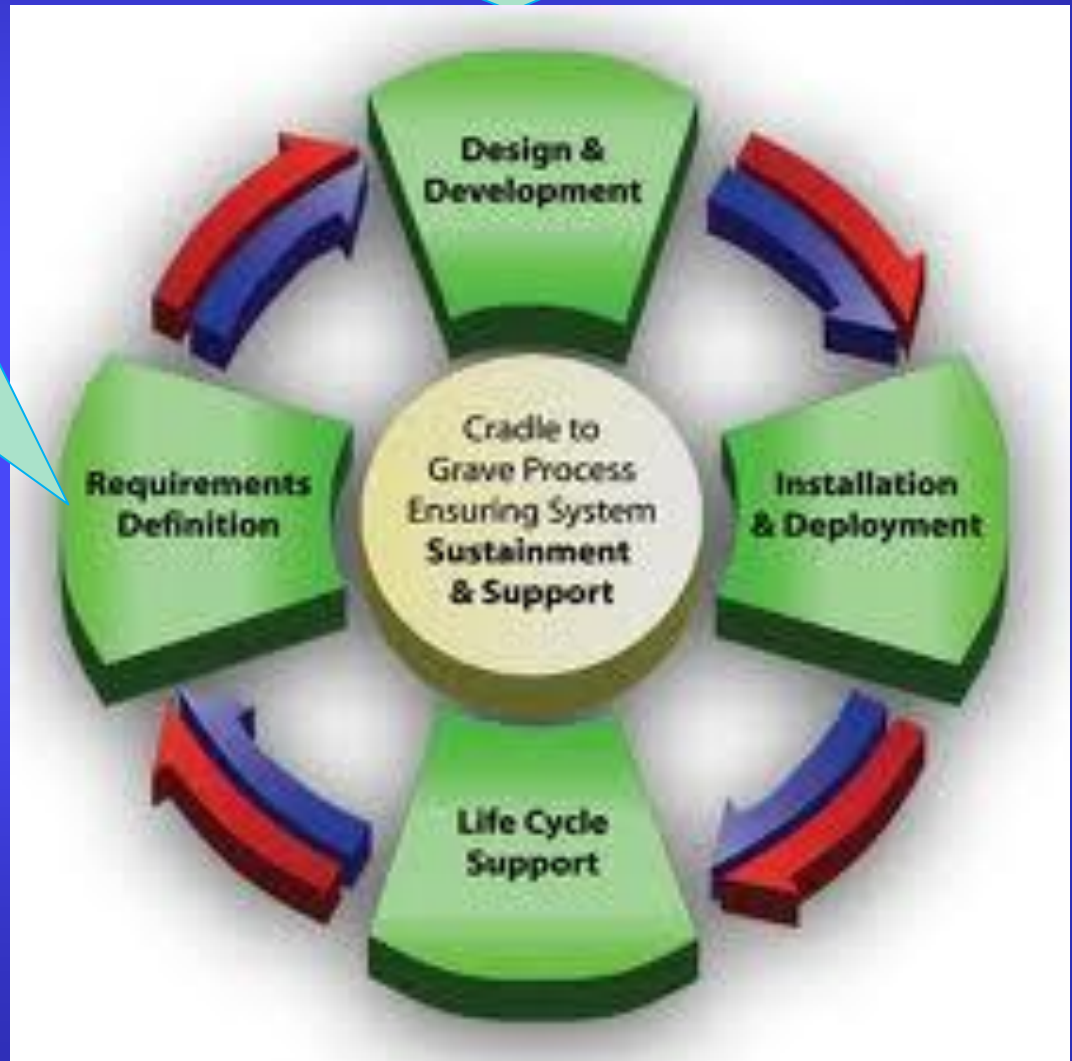
Integrated Systems Diagnostics Design
Balance for Systems Health Management and Maintenance

Typical Proposal or Marketing Message

Where and How does this Begin?

Where is the Authority to Make this happen?

Where is the Accountability?



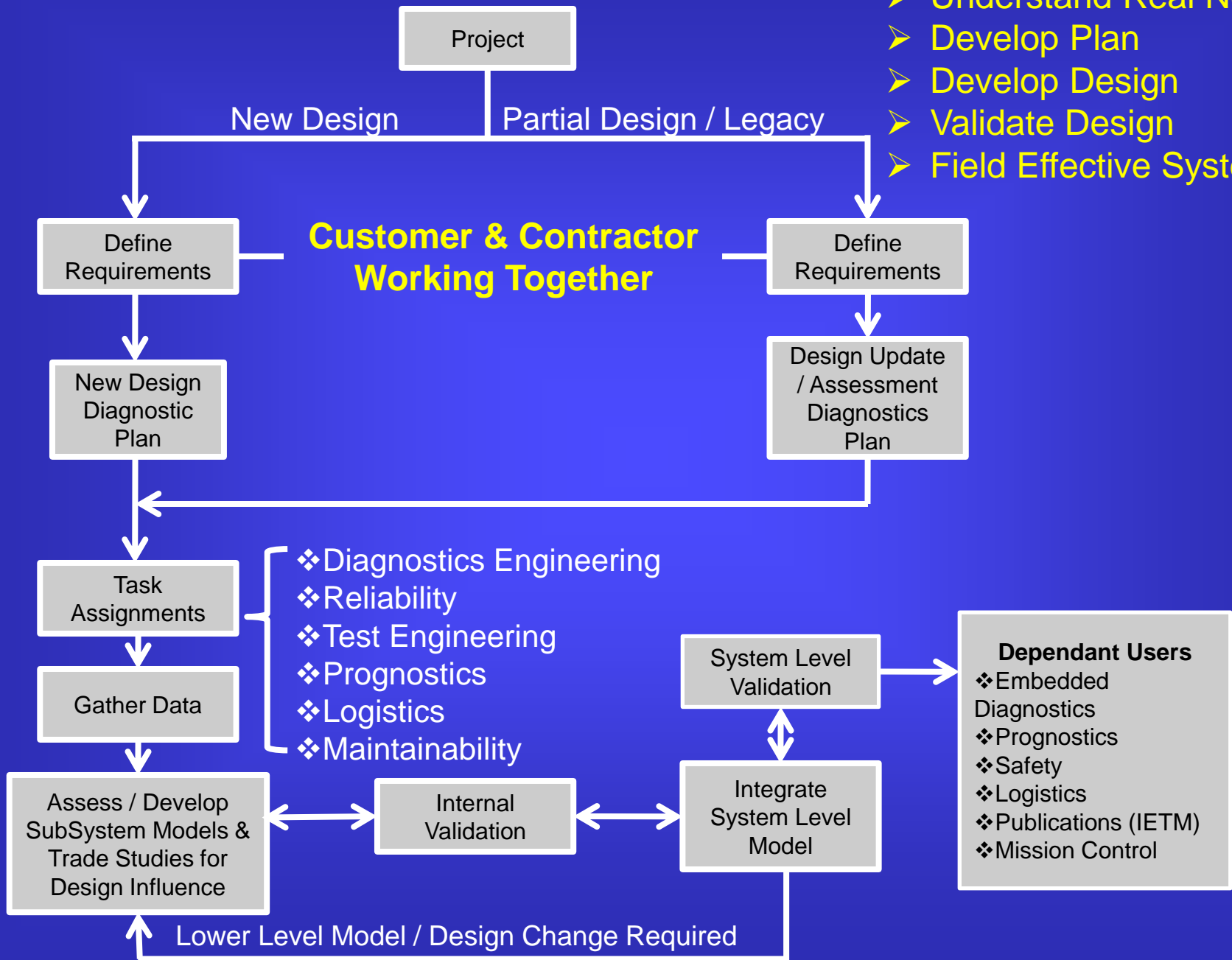
Solution

Develop a Plan and Work the Plan

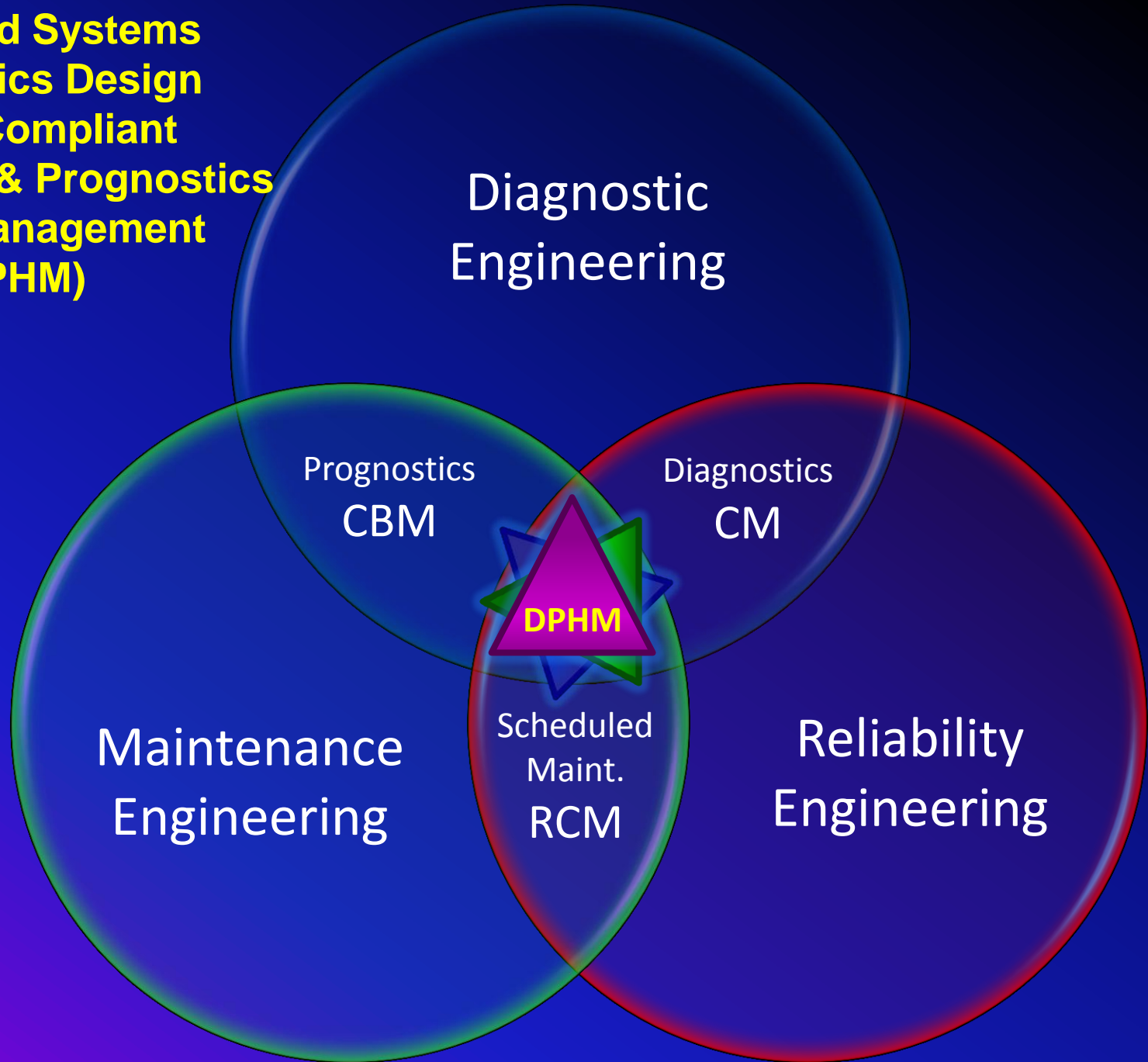
First Things First

Define Requirements That Meet Project Life Cycle Needs

- Understand Real Needs
- Develop Plan
- Develop Design
- Validate Design
- Field Effective System



**Integrated Systems
Diagnostics Design
Yields Compliant
Diagnostics & Prognostics
Health Management
(DPHM)**



Diagnostic
Engineering

Prognostics
CBM

Diagnostics
CM

DPHM

Scheduled
Maint.
RCM

Maintenance
Engineering

Reliability
Engineering