

# Air Force Materiel Command

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## Depot Source of Repair/Depot Activation

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# Purpose

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***To provide an overview of the Depot Source of Repair (DSOR) process, automated management tool (DSOR II), and Depot Activation Prioritization Model (DAPM)***



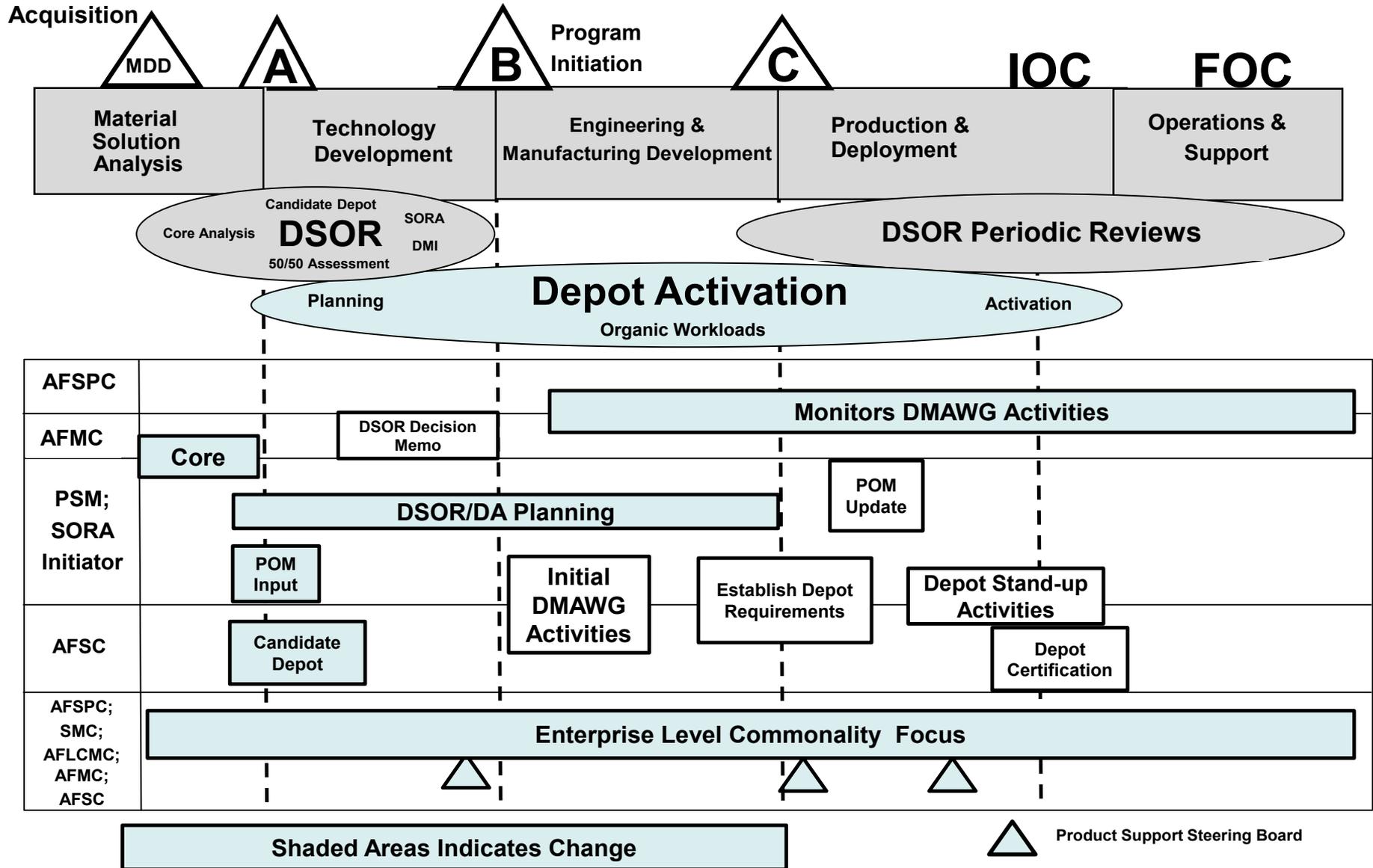
# Overview

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- **Refined DSOR/Depot Activation Process**
- **DSOR**
- **DSOR II**
- **Commonality**
- **DAPM**
- **Way Forward**



# Refined DSOR/Depot Activation Process





# DSOR

- **Department of Defense (DoD) process used to posture depot-level maintenance workloads**
  - Ensures compliance with Title 10 laws
  - Provides audit trail and documents decision
- **3 Processes guide Source of Repair (SOR) posturing**
  - **Source of Repair Assignment (SORA):** Air Force process for determining best value (contract/organic)
  - **Depot Maintenance Interservice (DMI):** DoD process for cross-Service competition
  - **Directed:** AFMC/CC or higher authority directed

**Air Force SORA + DoD DMI = DSOR**



# Depot Maintenance Workloads Requiring DSOR

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- **New Acquisition:** For any weapon system, item, component, system, subsystem, or software that requires depot-level maintenance (new to Air Force inventory)
- **New Work:** For change to a previously postured system, end item, or component that results in change greater than 20% to the depot maintenance workload hours or cost
- **Modification Install:** For installs outside of regular Programmed Depot Maintenance (PDM) SOR organic site
- **Modification Follow-On:** For long-term posturing as a result of a modification installation
- **Overseas Workload:** For potential depot maintenance (outside the continental United States)
- **Workload Shift:** For a permanent change to an already assigned depot SOR (contract-to-contract DOES NOT require a new DSOR)
- **Legacy:** For a baseline periodic review of existing workloads either not previously documented through DSOR, or for which no DSOR decision document exists (prior to 1999)



# HQ AFMC Roles and Responsibilities

- **AFMC/CC**
  - **DSOR Executive Manager**
- **HQ AFMC/A4**
  - **Establishes Command DSOR implementation policy**
  - **Performs validation/analyses in support of DSORs**
    - **Core analysis**
    - **Candidate depot selection**
    - **50/50 impact**
  - **Final approval for SORAs**
  - **Vets DMI concurrences among Services**
  - **Provides final DSOR decision memorandum for Air Force-managed workload**





# DSOR Statutory Relationships

- **Title 10 USC 2464, *Core Logistics Capability* (Core)**
- **Core basics**
  - **DSORs are evaluated for core capability**
    - “...ensure a ready and controlled source of technical competence and resources necessary to ensure effective and timely response to a mobilization, national defense contingency situations, and other emergency requirements...”
  - **Established NLT IOC+ 4 years**
  - **It is not all or nothing!**
  - **It is all about CAPABILITY!!!**
    - **Government people**
    - **Government facilities**
    - **Government equipment**





# DSOR Statutory Relationships

- **Tile 10 USC 2466, *Limitations on the performance of depot-level maintenance of materiel (50/50)***



**Government Depots**



**Private Industry**

- **50/50 basics**
  - **Contract depot maintenance repair cannot exceed 50% of the total fiscal year funds made available**
  - **DSORs are evaluated and recorded in 50/50 baseline**
    - **DSORs may not be approved based on 50/50 limitations**
  - **It is all about \$\$\$\$\$**



# DSOR Periodic Review

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- **Per AFI 63-101/20-101, *Integrated Life Cycle Management***
  - A review is conducted to validate decision
  - Every 5-years, major program event, or HQ request
- **Typical review looks at:**
  - Validity and scope of the DSOR decision
  - Current year, prior 2-years, and projected 5-years information
  - Workload shift probability
  - Point of contact information
- **If a workload shift is needed:**
  - Validate core, 50/50 impact and depot activation costs
  - Elevate to appropriate level for approval



# DSOR Take-Aways

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- **DSOR is a critical part of long-term depot maintenance sustainment strategy**
- **Must maintain 50/50 compliance**
- **Must maintain core organic depot capability**
- **Provides best value and an audit trail of decisions**



# DSOR II Overview

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- **Facilitates Air Force DSOR process**
  - Increase situational awareness
  - Single data entry depository for Air Force
- **Benefits**
  - Establishes audit trail and documents SOR
  - Provides standardized, repeatable, processes
  - Decreases staffing time and cost
  - Improves information accessibility
  - Increases DSOR quality
- **Stakeholders**
  - HAF, SAF, AFMC, AFSPC
  - PEOs, Program offices, Centers, ALCs



# DSOR II Capabilities

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- **Pre-SORA**
- **SORA**
- **Core analysis**
- **Candidate Depot Determination (CDD)**
- **DMI**
- **Periodic reviews**
- **Depot activation**
- **Metrics/reports**
- **Quick study guides**
- **DSOR library**



# DSOR II Home Page

- Home page recently revised to provide a more user-friendly, customer interface

The screenshot displays the DSOR II Home Page interface. At the top, there is a navigation bar with "Site Actions", "Browse", and "Page" options. Below this is the DSOR II logo and the title "DSOR II - Depot Source of Repair Planning and Activation". A secondary navigation bar includes links for "HQ All", "HQ Metrics", "CCD", "SORA", "DMI", "Depot Activation", and "PR".

On the left side, there is a search bar labeled "Search by NSN/Part#" and a list of links: "My Alerts (Manage Alerts)", "Core/Candidate Depot Activity", "FAQs", "AF E-publishing", "Web Comprehensive Cost and Requirements System (CCaRS)", and "Recycle Bin".

The main content area features a central "Tracker" star surrounded by five numbered steps in colored circles, connected by arrows in a clockwise cycle:

- 1 Start/Edit Pre-SORA (Phase 1)
- 2 Edit SORA (Phase 2)
- 3 DMI Template
- 4 Organic Depot Activation
- 5 Periodic Review

Surrounding the Tracker are several activity and metrics buttons:

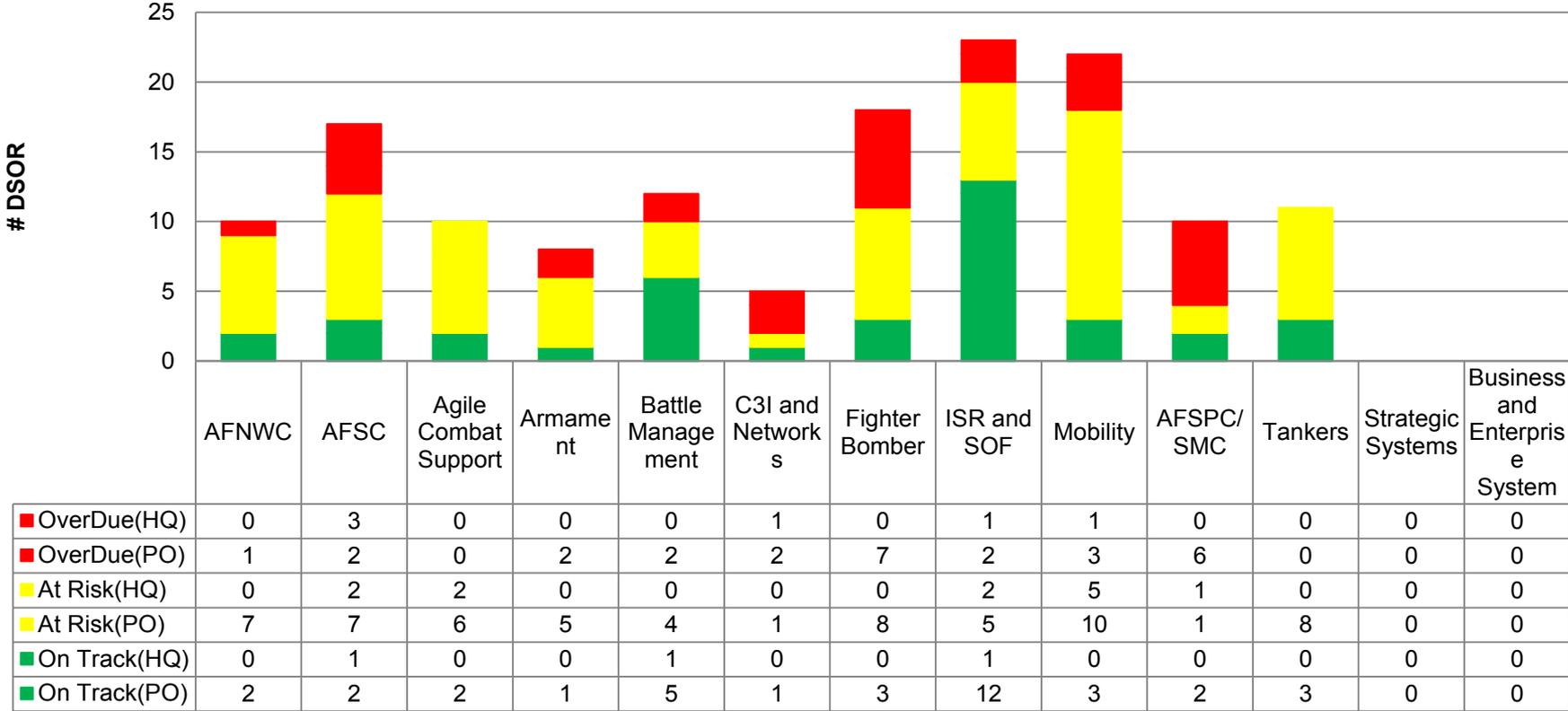
- Top row: Announcements, Users Guide, Request Membership, Need Training?, DSOR Library
- Left side: SMC Activity & Metrics, AFSC Activity, AFSC Metrics
- Right side: AFNWC Activity & Metrics, AFLCMC Activity, AFLCMC Metrics



# DSOR II Metrics

## DSOR Summary as of 3 Jun 15

Status	
Overdue	33
At Risk	74
On Track	<u>39</u>
<b>Total</b>	<b>146</b>



**Provided to AFMC/CC Quarterly**



# Why Consider Commonality Early?

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- **Supports Better Buying Power 3.0 initiatives**
- **Drives shift for government to own program baseline**
- **Cost savings from cradle to ~~grave~~ cradle**
- **Minimizes logistical footprint**
- **Proactive vs. reactive**
- **Lead time improvements**
- **Manpower savings**
- **Reduced resources**
- **Reduced risk**



# HQ AFMC/A4FD Commonality Initiatives

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- **Published Common Repairable Item (CRI) listing Data Item Description (DID) in DoD Assist Library**
- **Incorporated commonality as a sub-attribute in DAPM**
  - Identifies areas for collaboration/consolidation
- **Working with EN community from HQ AFMC and AFLCMC to establish a commonality key systems attribute that can be effectively measured**
  - Tailoring CRI DID with a standard; T-X identified as pilot

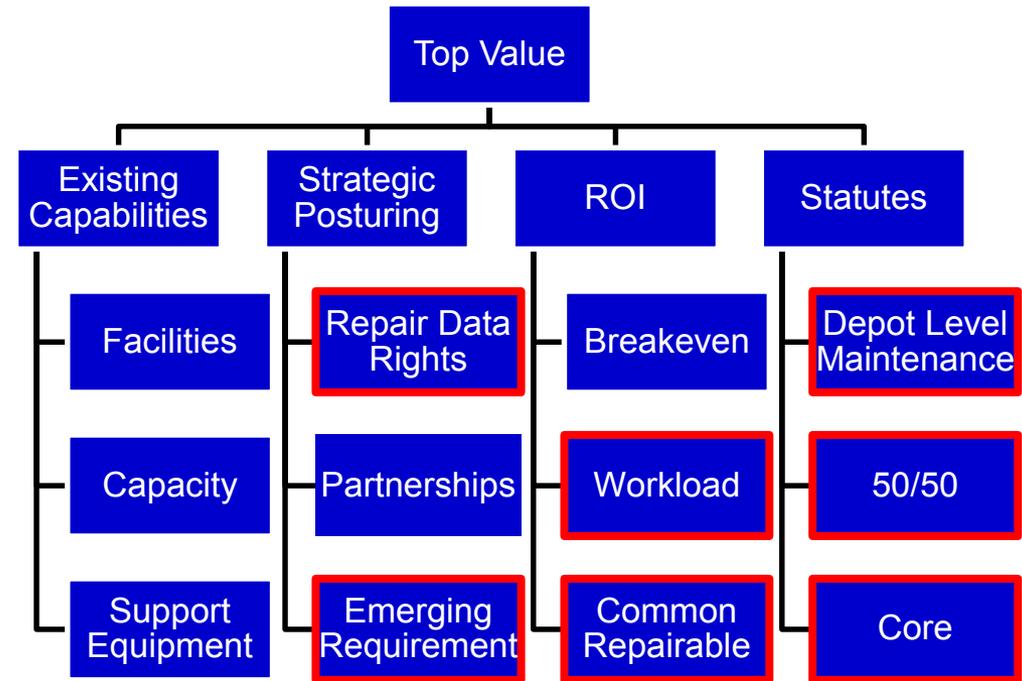


- **Sep 13 Rapid Improvement Event addressed need for a DAPM**
  - Intent was to rank potential depot activations in the area of best value so that sparse Air Force dollars are appropriately allocated
- **Value Focused Thinking (VFT) utilized**
  - Weighted percentages are applied to value scores to calculate total score for ranking
  - Decision process with standard foundation
  - Converts subjective to objective
  - Links strategic vision/goals to metrics and captures impact/value to the organization



# DAPM Hierarchy

- Depot activation success depends on four independent attributes
- Sub-attributes are individually evaluated to objectively score attributes
- Two iterations, Tactical and Strategic, designed to be used at different points in the DSOR/depot activation process for effective resource allocation

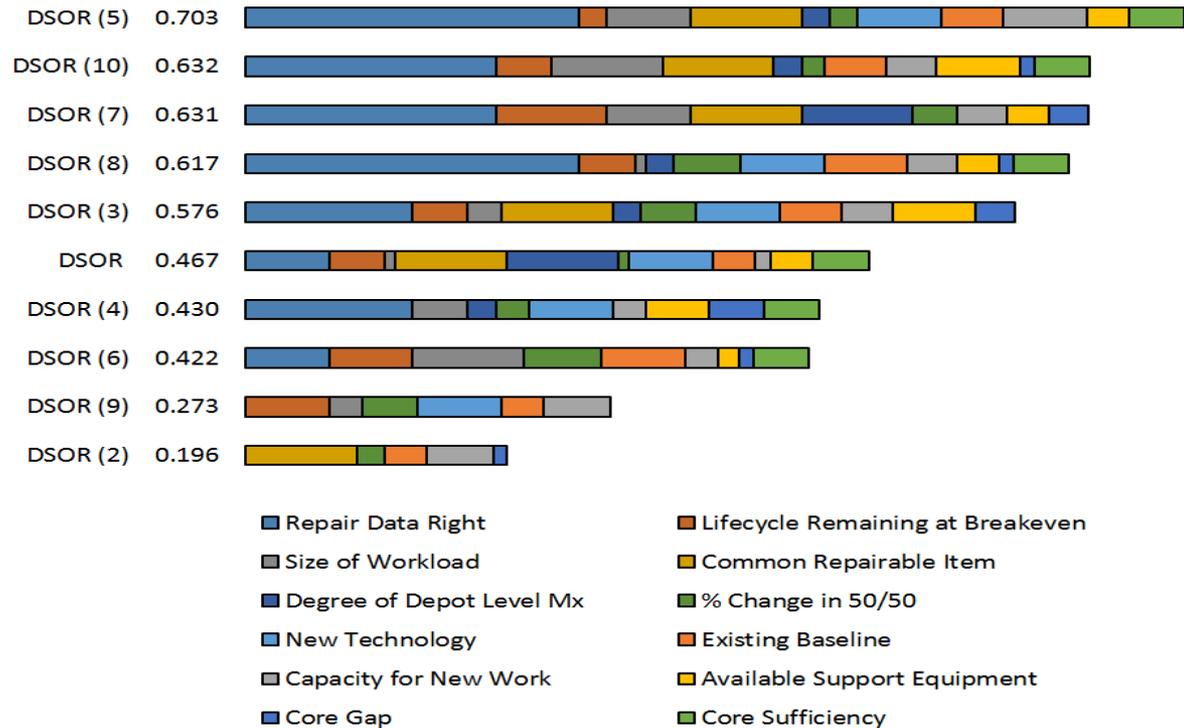


Red outline indicates strategic model



# DAPM Output

- **Color segments represent sub-attribute scoring for comparison**
- **Optimization tool can be used to allocate available resources**
- **Output provides objective ranking for military judgment**
- **Model builds foundation for centralized depot activation funding**
- **Centralized funding will streamline depot activation process; yielding increased organic activations**





# Way Forward

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- **DSOR decisions made early in acquisition cycle to ensure viable depots and Title 10 compliance**
- **DSOR II still evolving and used to manage the process**
- **Shared ownership of depot activation process and success**
- **Common item identification enables better buying power**
- **DAPM business rules vetted and completed**

