2006 Combat Vehicles Conference Current to Future...Future to Current

PROJECT MANAGES

SAIGADE COMBAT

Make A Difference Everyday!

The HBCT "Back for the Future"

24 October 2006

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How we Know we're Back

PM HBCT Priorities and Fleet Strategy

Modularity

Supporting the Fight

Army Forces Generation Model

The Future

2

Mission



Deliver, Sustain and Modernize Combat Power for the Army's Heavy Brigade Combat Team Formations

Army's Life Cycle Manager for the Abrams, M88, Bradley,
 M113, M109, and Knight family of vehicles. Our responsibilities include the design, development, production, fielding and sustainment of safe, reliable, and lethal ground combat systems

Our current focus supports **Deployed Forces**, **HBCT ARFORGEN Cycles**, **Modularity**, **Sustainment** of **Leave Behind** & **Theater Provided Equipment** (LBE & TPE), **RESET**, **Recapitalization** and **Spin-Out Technology** for each platform fleet both today and the future

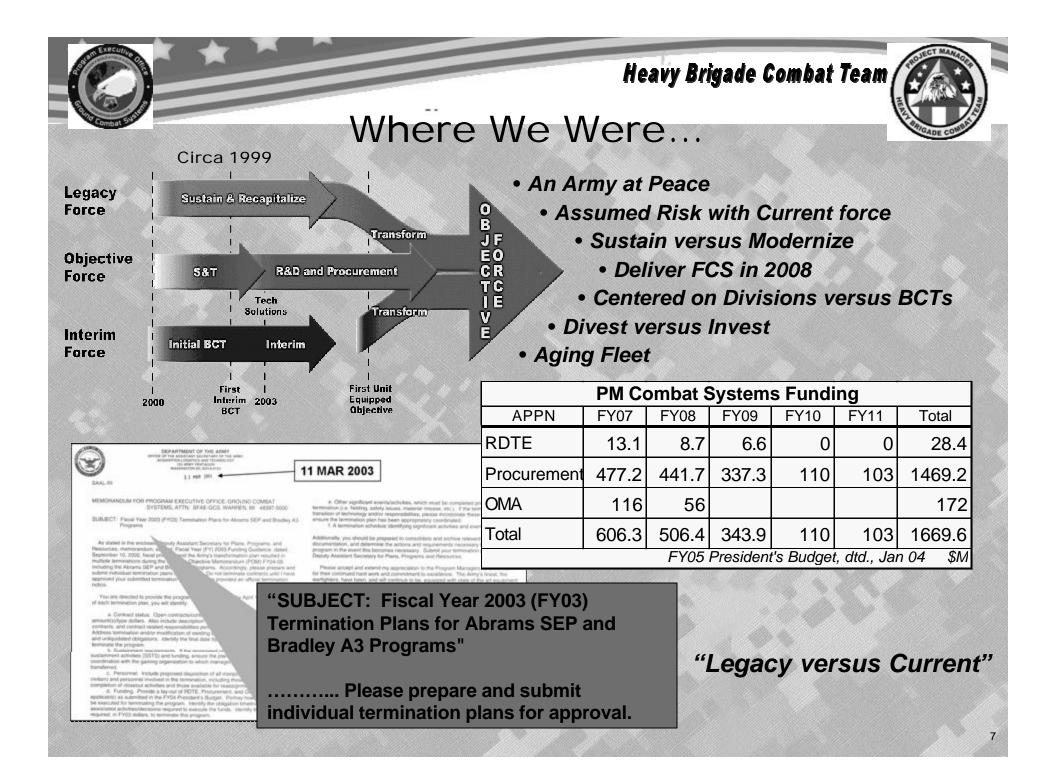
Support the Fight ** Sustain the Fleet ** Build the Future

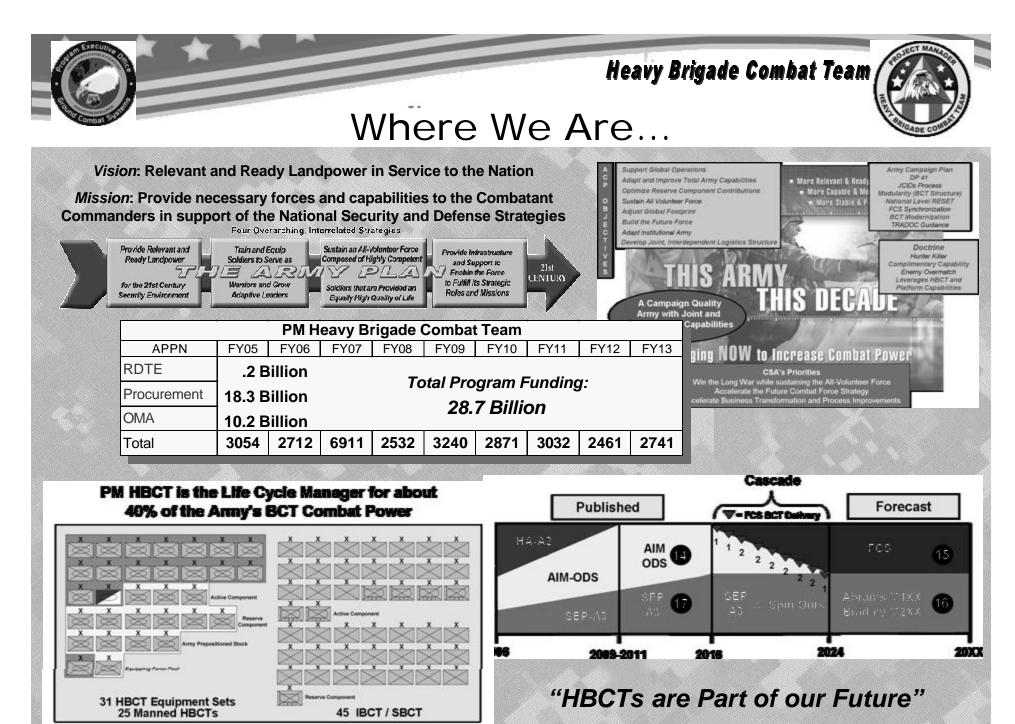


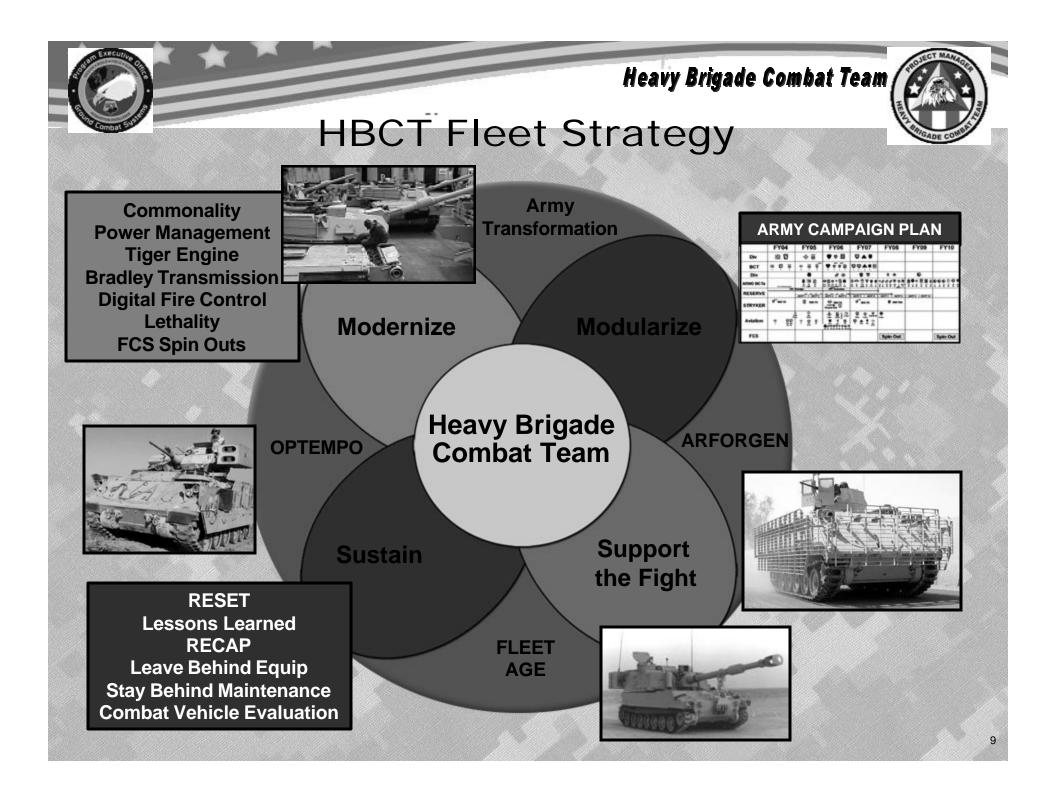


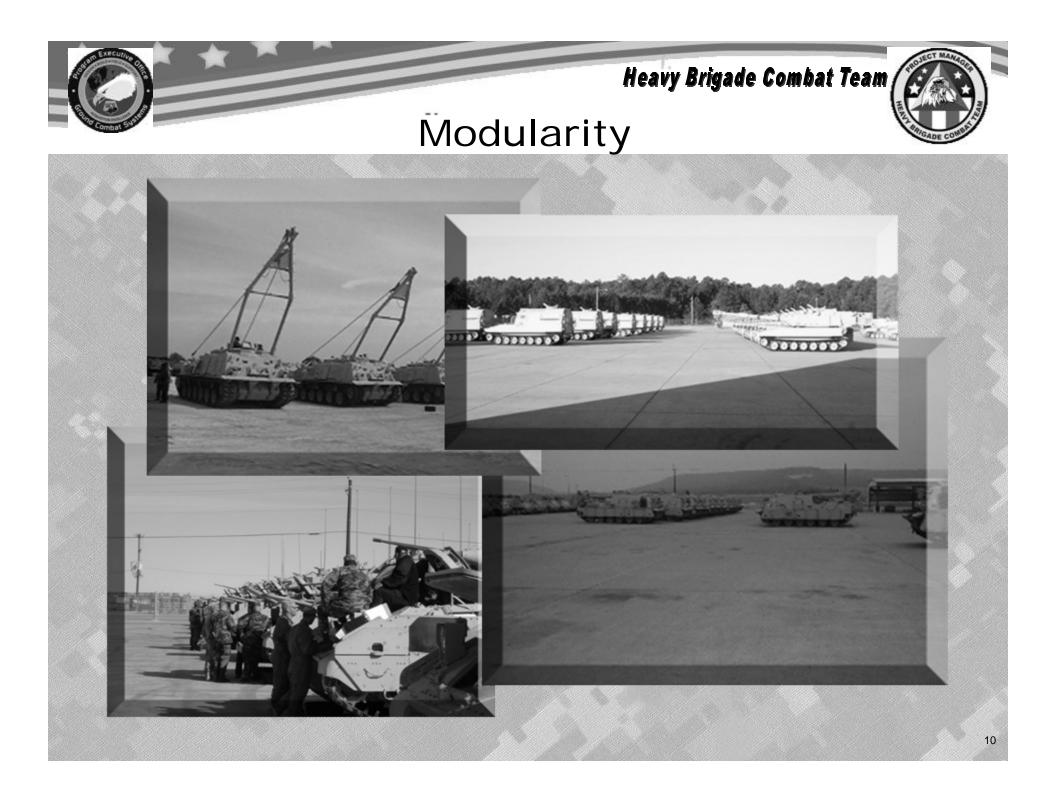


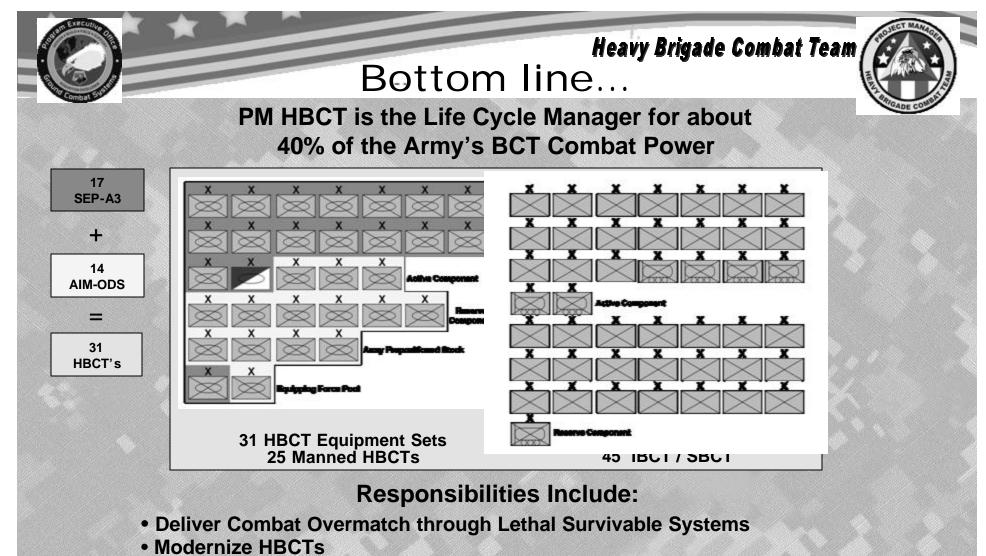
Support HBCTs in the Fight, and those preparing to Deploy Execute 4ID/1CD Swap & associated Mission Essential Tasks Execute the Condition Based Maintenance Demonstration (COBRA) Develop Vehicle Health Management Strategy Posture to support the EBCT and Future Combat System Pursue Process Improvement Execute PM HBCT ARFORGEN Support Cycle







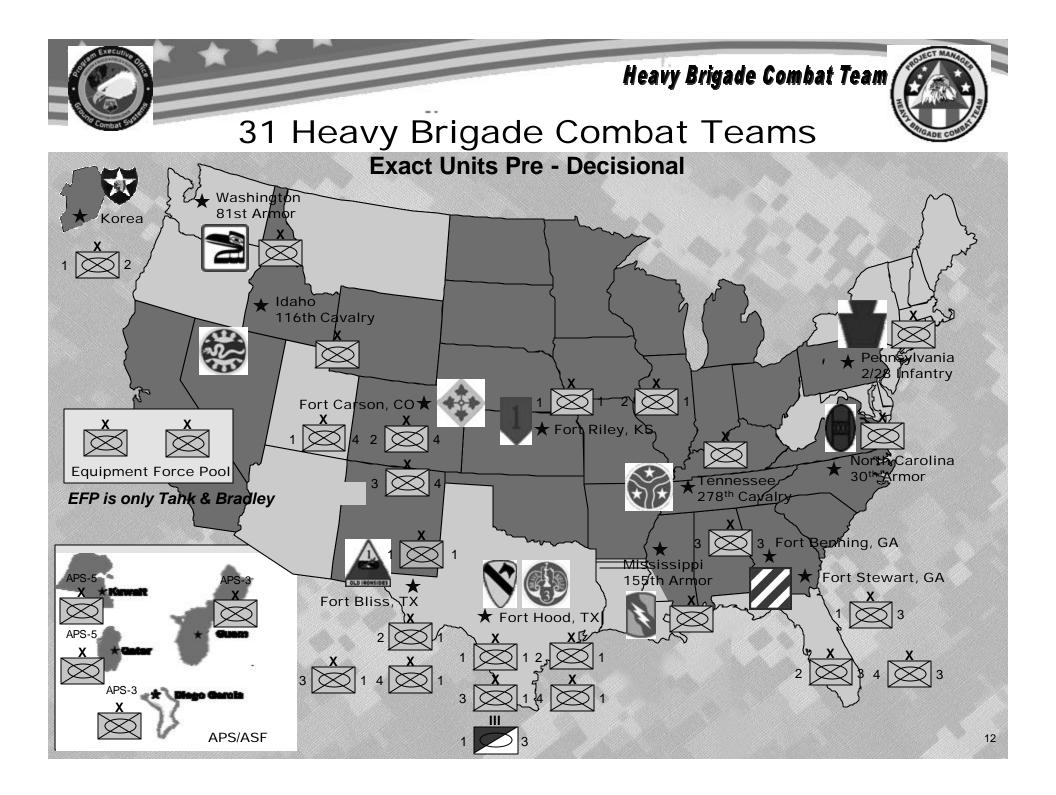


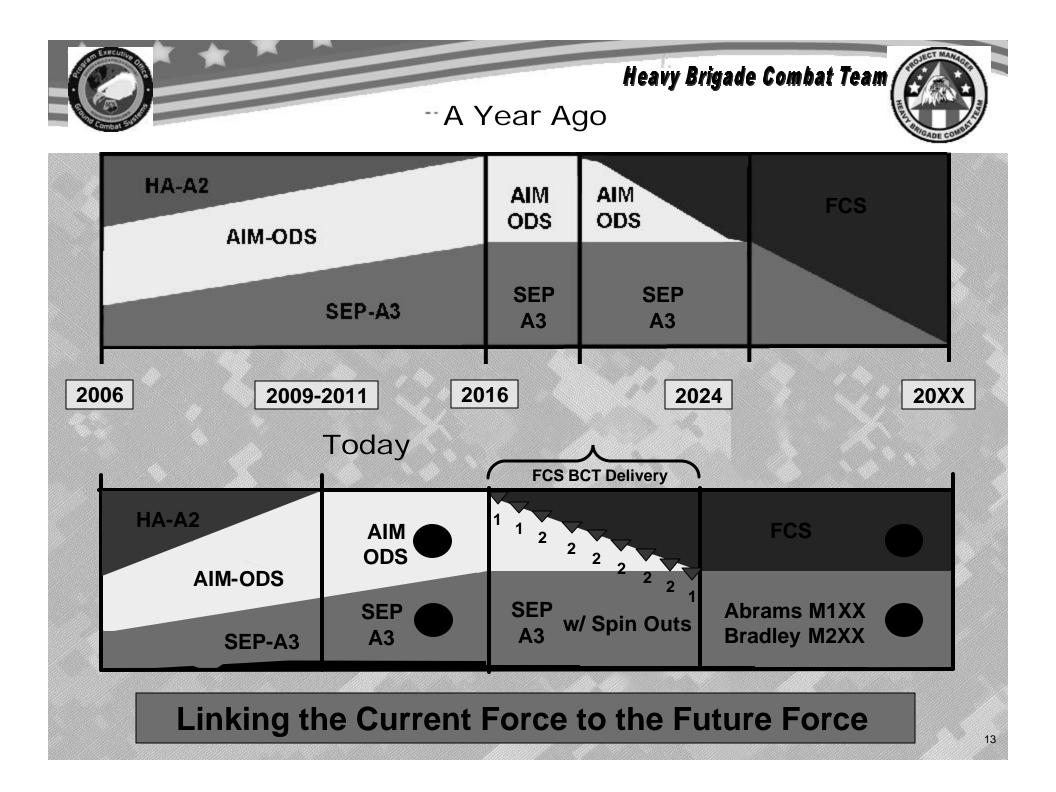


• Sustain:

Reconstitution Recapitalization Remanufacture RESET Modify Upgrade

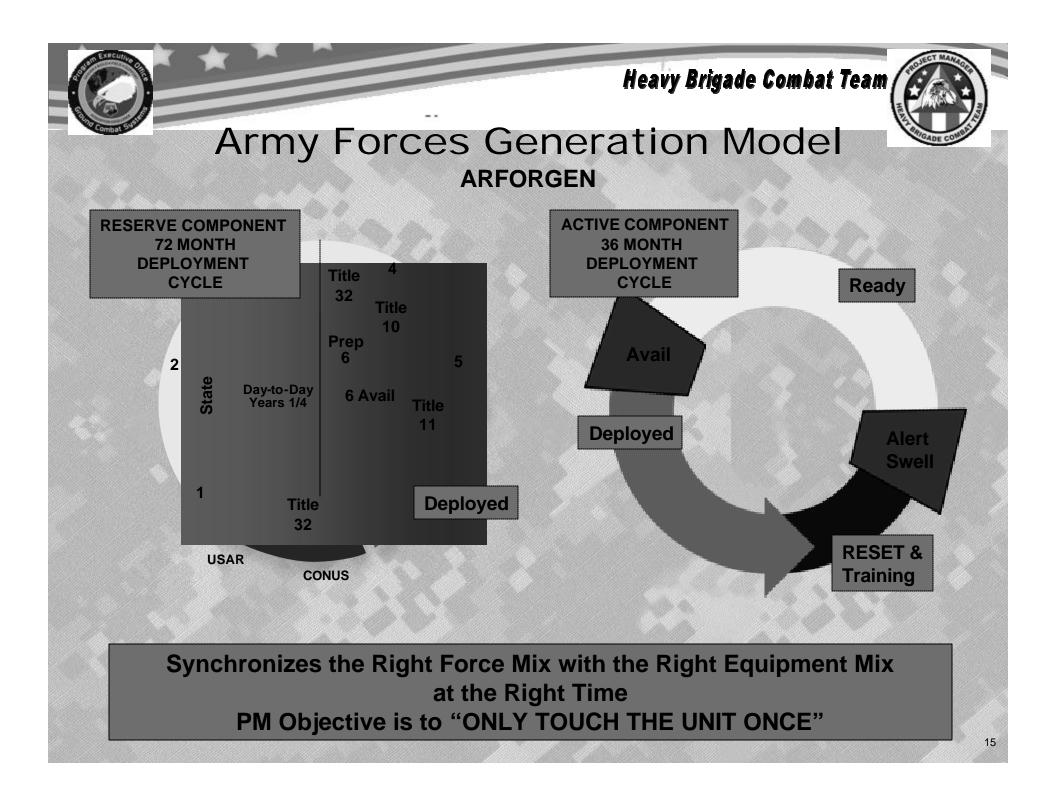
- Modernize
- Maintain Operator and Maintenance Training Devices
- Maintain Interoperability between Systems and with FCS BCT

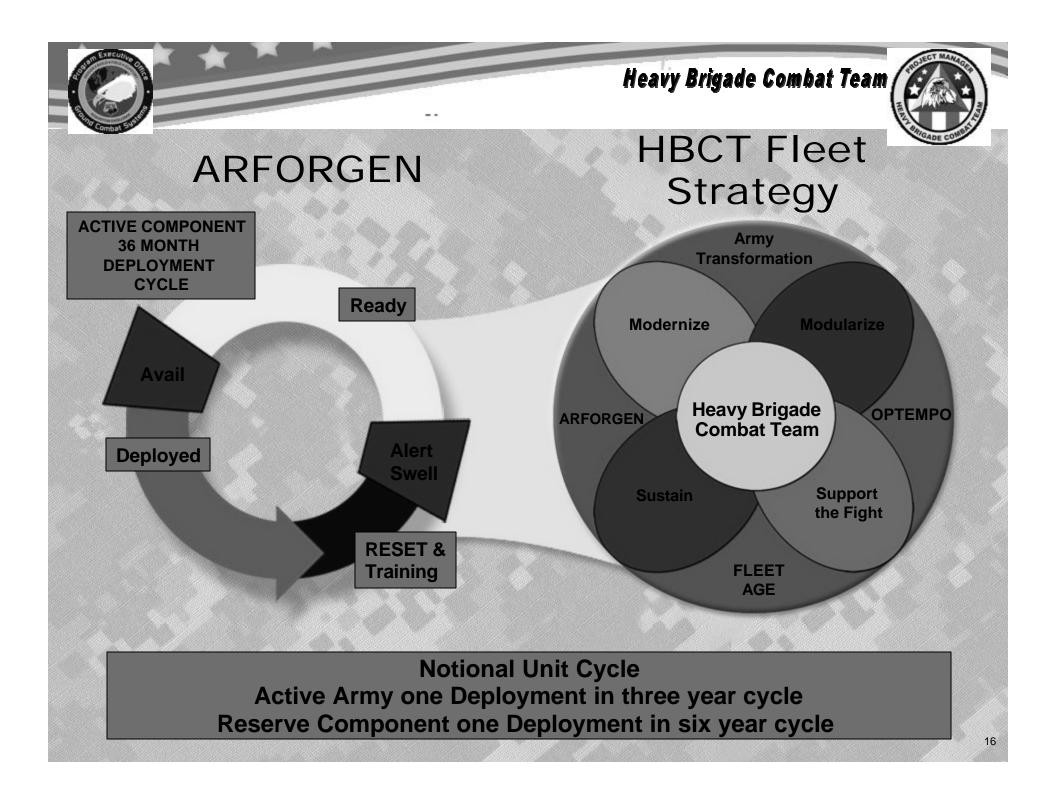


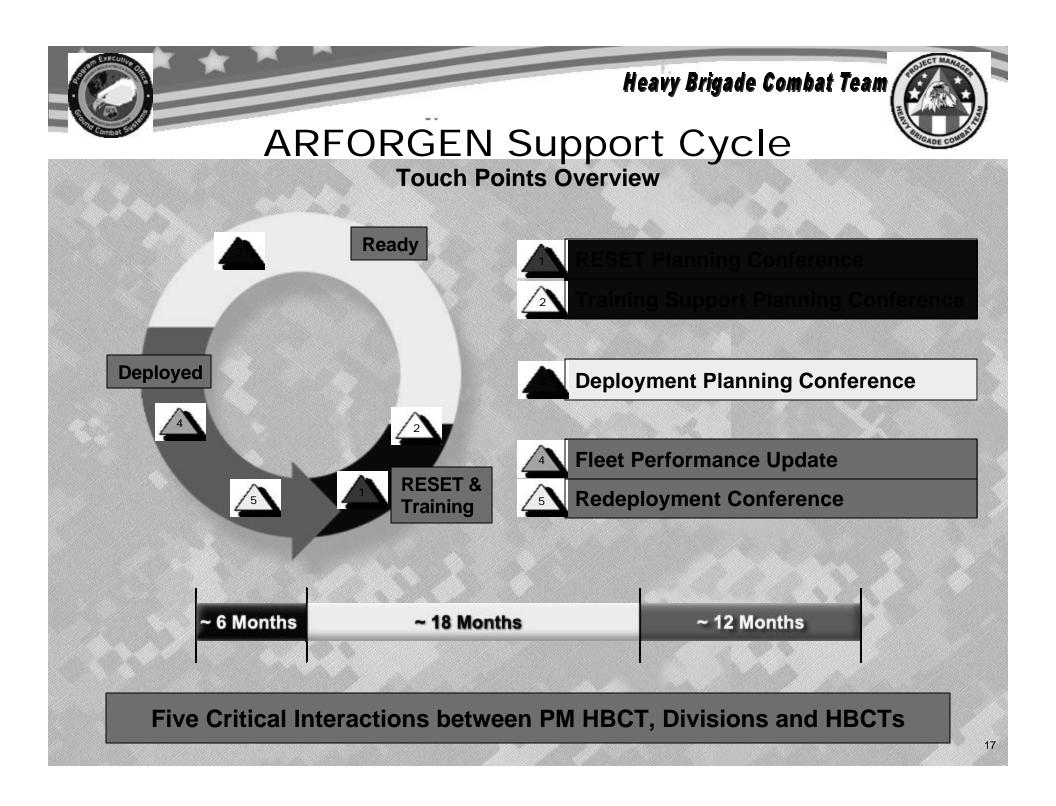






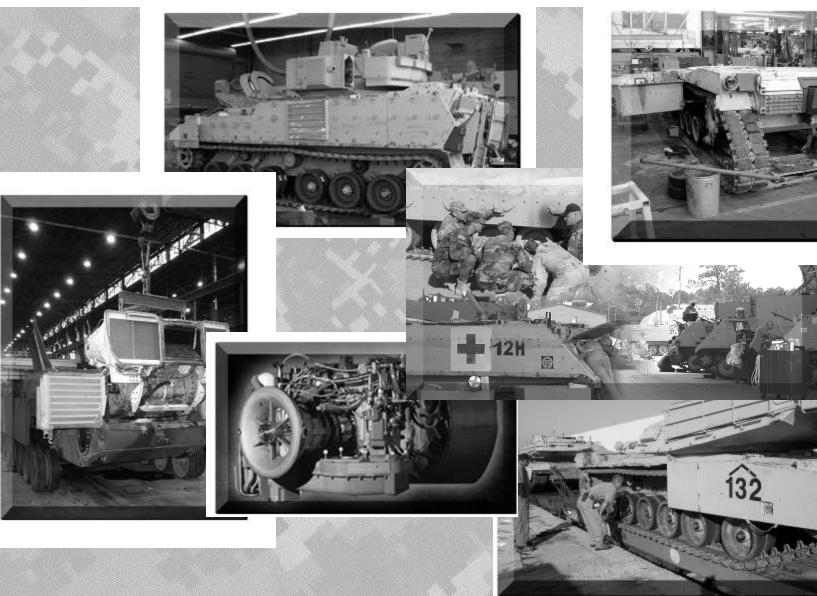








Heavy Brigade Combat Team Sustain the Fleet



National Level RESET

Work performed to correct equipment faults that are above the Field level of maintenance (that is, above ORG and DS), as laid out in Technical Manual Maintenance Allocation Charts. National level Reset is orchestrated by AMC, performed to a National standard that AMC is responsible for defining, and could be done in the Army Materiel Command, by contractor, by installation DOL maintenance activities, or any combination of the three. It is conducted in depots, arsenals and forward on or near installations where the equipment is stationed. The AMC life cycle management centers (LCMCs) develop strategies for National Level maintenance ICW their PEO/PM (LCMCs include PEO/PMs) partners and IMA (for work done by DOLs). National level Reset can also be performed on pieces of equipment which exceed Field level Reset capability because of the quantity, aggregate labor in a given unit and/or complexity of work to be performed. [Certain types of equipment, delete between <><due to its inherent complexity> will automatically be done at the National level of maintenance. Aviation STIR and the Generator Reset program are examples. AMC and MACOM agreed to items are selected for automatic RESET, and AMC publishes a list of equipment which is treated in this manner.



Recapitalization

Rebuild, Reman and/or Systemic Upgrade of systems in our inventory to ensure Operational Readiness and a zero time/zero mile system. To PM HBCT the primary purpose of RECAP is build sufficient current configuration assets to achieve the Modular End State. Traditionally RECAP objectives include; extending service life, reducing O&S costs, improving system reliability, and enhancing capability. For us RECAP is taking an old configuration system and *delivering an upgraded system to the fleet.* RECAP occurs at the National Level of Maintenance and is done in an AMC Depot/Arsenal, by the OEM or a Partnership of the two. RECAP is managed by PMs as part of AMC LCMCs

Upgrading Existing Systems to Deliver Current Configuration Combat Platforms to achieve the Modular Fleet End State





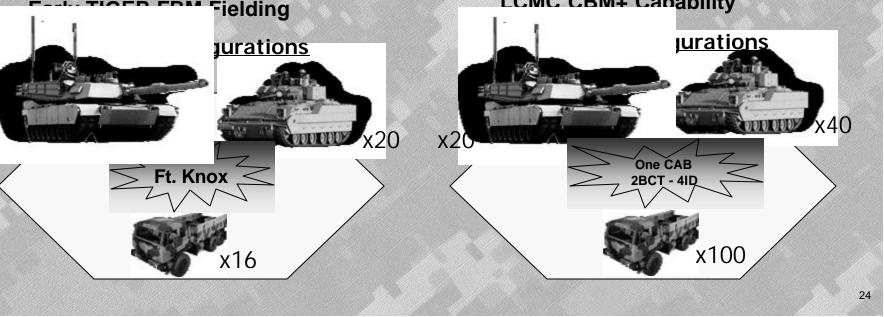


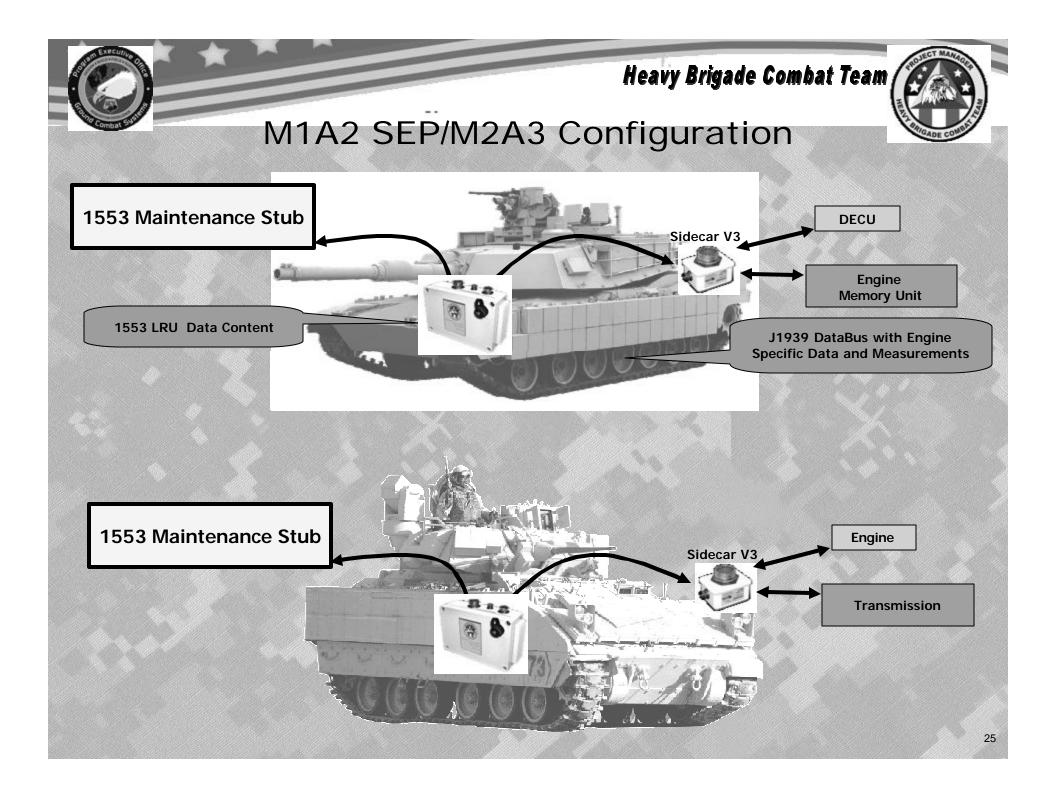
Conditioned Based Maintenance Reliability Assessment (COBRA)

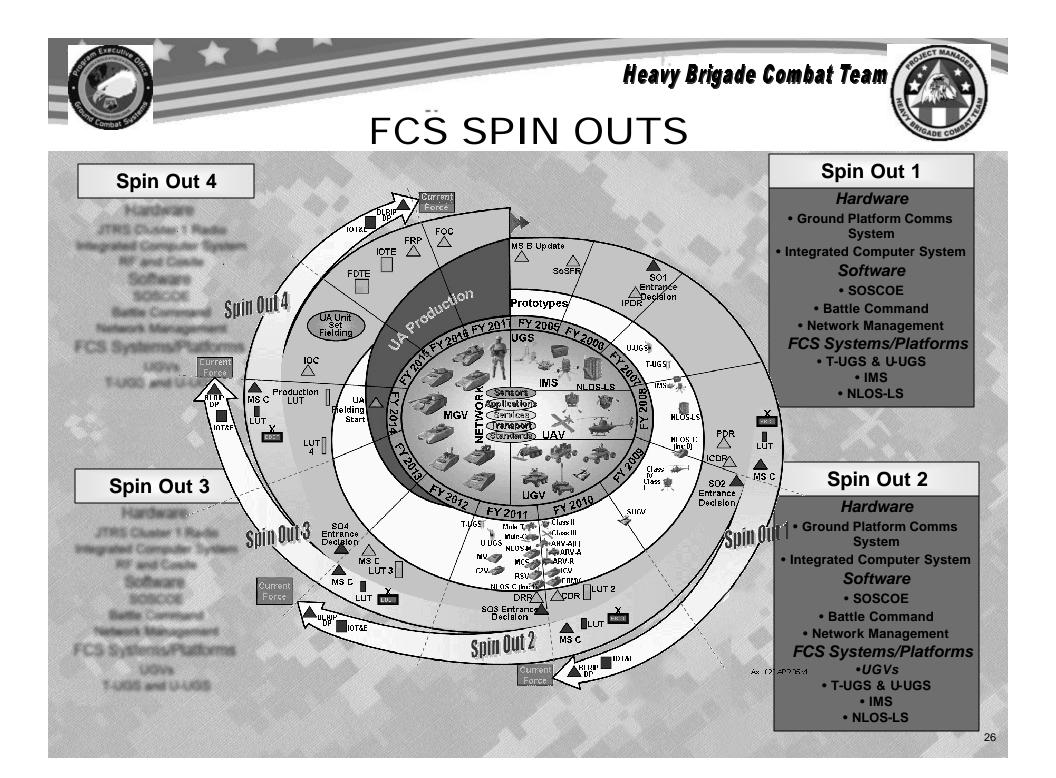
- Functional Data from an Operational Unit
- Additional Platform Sensed Parameters
- Autonomous Data Collection, Storage, and Transmission
- Enable Configuration Management (ID Tagging)
- Logistics and Maintenance Situational Awareness (SA)
 - On and Off Vehicle

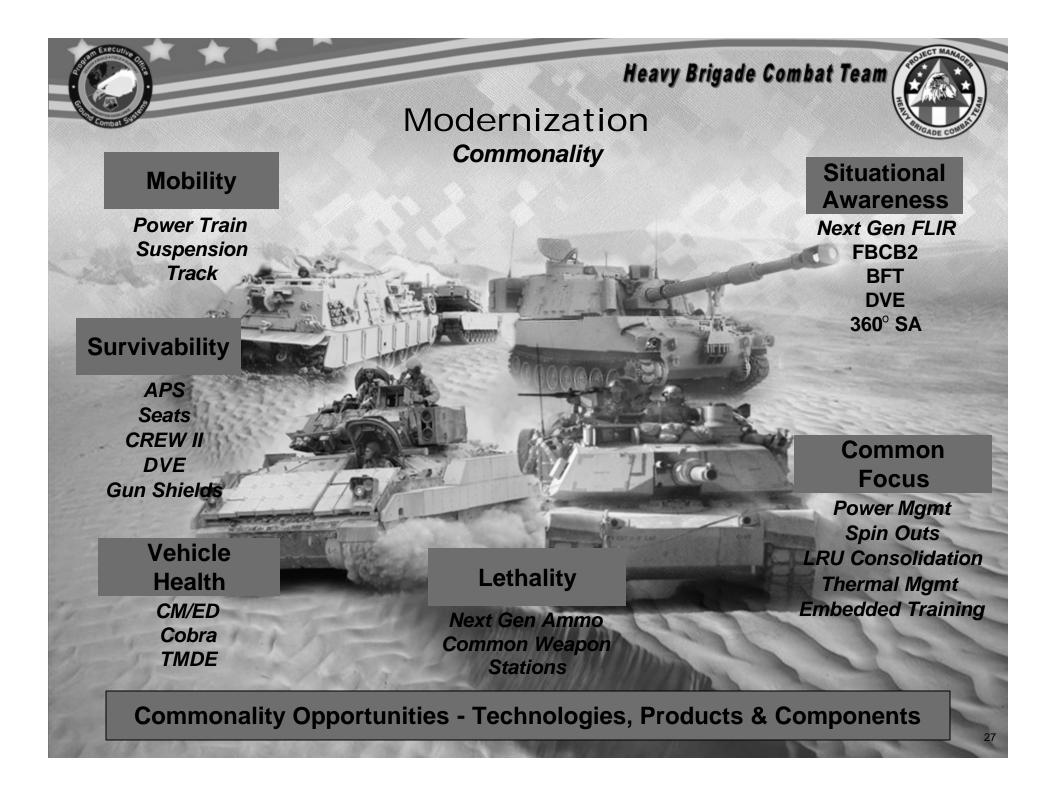
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- Maintenance and Log Analytical Tools and Reports
- Standing Up Developmental
 Platform
- Risk Reduction with Fort Knox Fielding
- Supports Development of FCS
 Interoperability and CLOE
- Establishes the Foundation for the LCMC CBM+ Canability









PM HBCT is the LCM for about 40% of BCT Combat Power

Summary

HBCTs are integral to the Current and Future Army Force

M2A3 and M1A2 Represent the EBCT Platforms for FCS Spinouts 1-4

Transformation must include a Current Force Modernization Strategy that Compliments FCS

Commonality is the Center of Gravity for HBCT Modernization