



Combat Vehicle Conference

*MG
Mike
Lenaers*

*23 OCT
2007*





TACOM LCMC

Mission / Product Lines / Magnitude

What Do We Do?

Develop, acquire, field, and sustain Soldier and ground systems for the Warfighter through the integration of effective and timely Acquisition, Logistics, and cutting-edge Technology

What we do (Core Competencies):

- Acquisition / Program Management
- Logistics, Industrial Operations, and Contracting
- Research, Development, Engineering

The Magnitude:

- 141 Allied Countries Own TACOM Equipment
- Every Army Unit has TACOM Equipment
- Approximately 3000 Fielded End Items
- 29,000 Components

The TACOM LCMC Product Lines:

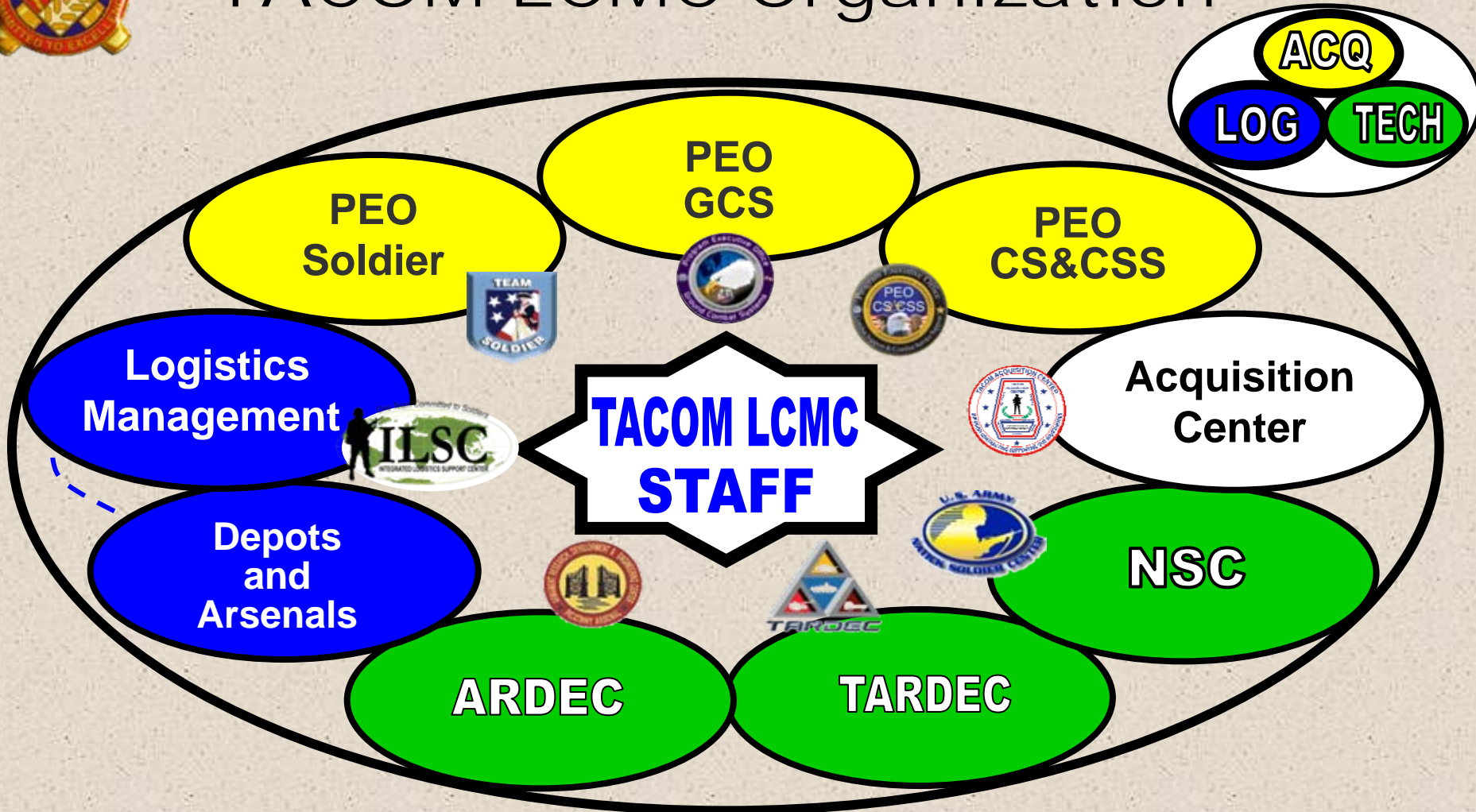
- Combat Vehicles
- Trailers
- Materiel Handling Equipment
- Fuel & Water Dist Equipment
- Chemical Defense Equipment
- Howitzers
- Commercial Vehicles
- Tactical Vehicles
- Construction Equipment
- Tactical Bridges
- Armored Security Vehicle
- Route Clearing Vehicle
- Sets, Kits & Outfits
- Shop Equipment
- Large Caliber Guns
- Watercraft
- Mortars
- Aircraft Armaments
- Rail
- Fuel & Lubricant Products
- Rifles / Machine Guns
- Soldier Equipment
- Rapid Fielding Initiative
- **Mine Resistant Ambush Protection**



We support a diverse set of product lines through their life cycles, from combat and tactical vehicles, armaments, watercraft, fuel and water distribution equipment, to soldier, biological, and chemical equipment.



TACOM LCMC Organization



Alliance Partners



PM
FCS



PEO
Ammo



JPEO
CBD



ATEC



DLA



TRADOC



ECBC



RDECOM



USASAC

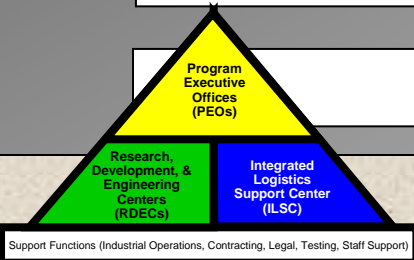
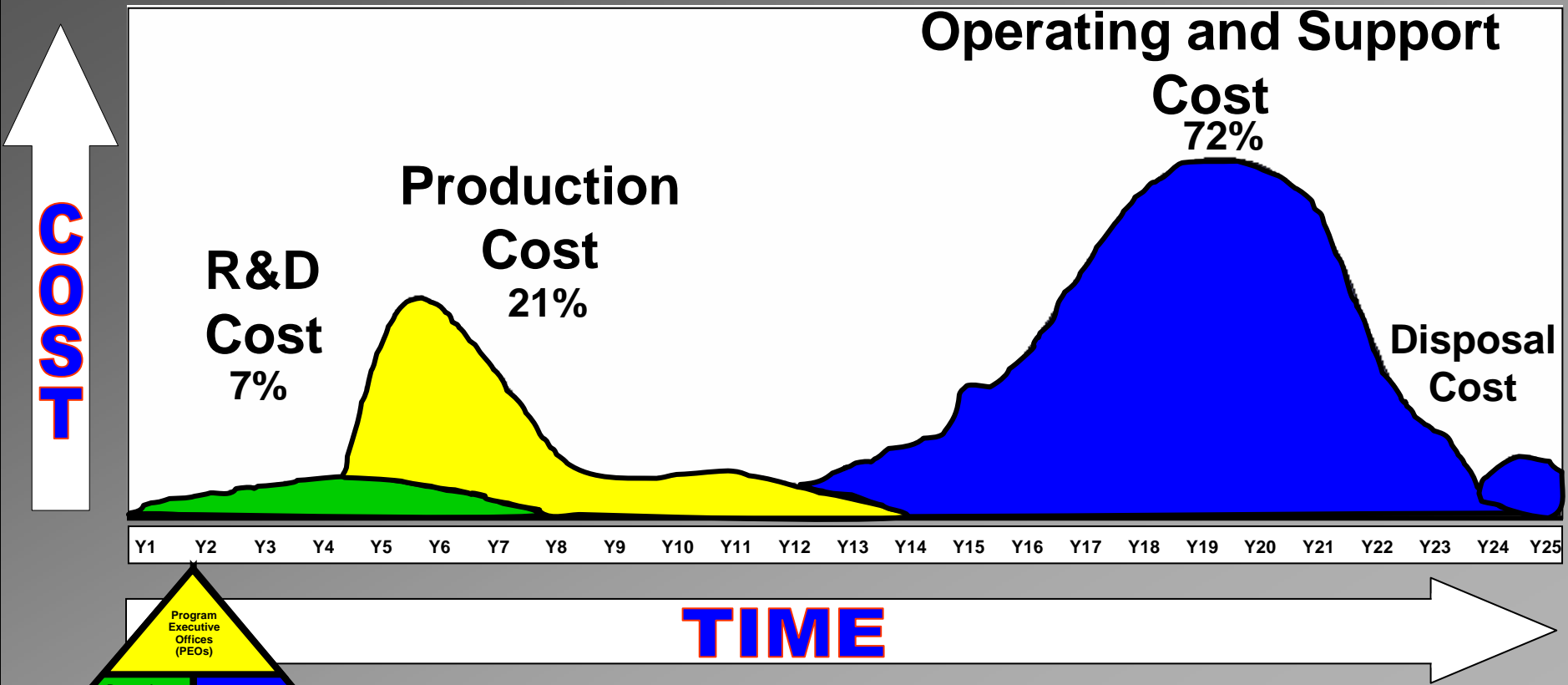


DCMA

Unclassified



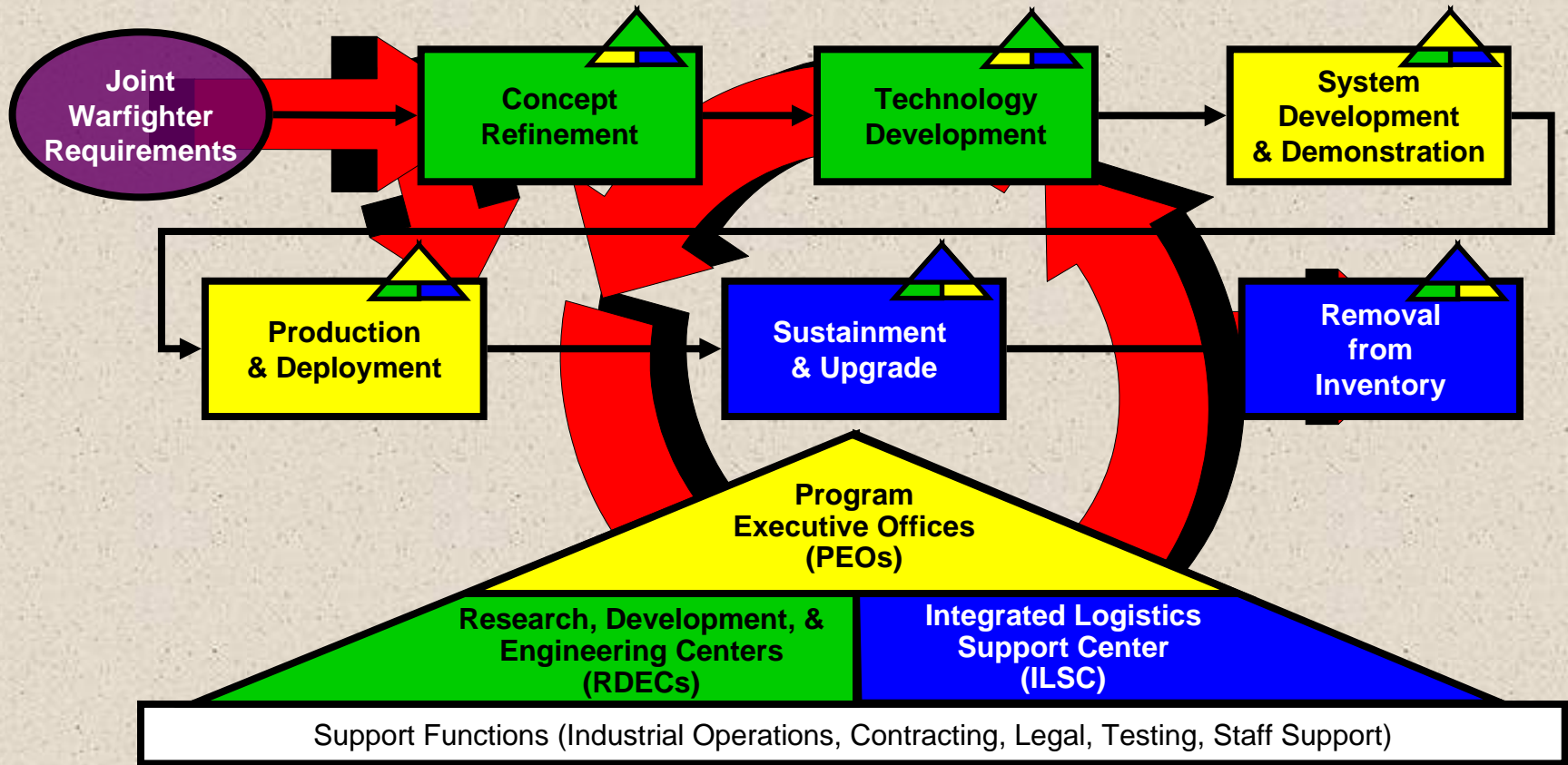
Moving to Life Cycle Management



Requires a change in leadership focus



LIFE CYCLE MANAGEMENT IS NOT LINEAR



The objective is to get upgrades to the warfighter faster, make our good operational vehicles better and minimize life cycle costs, and enhance the effectiveness and integration of our Acquisition, Logistics, and Technology communities.

You should not expect different results if you keep doing things the same way.



As easy as shooting ducks!



Funding within the Life Cycle

Joint Warfighter Rqmts

Concept Refinement

Technology Development

System Development & Demonstration

Production & Deployment

Sustainment & Upgrade

Removal from Inventory



RDT&E



APA/OPA

M1A2 SEP



M88A2



AWCF / OMA

M1A1



M88A1



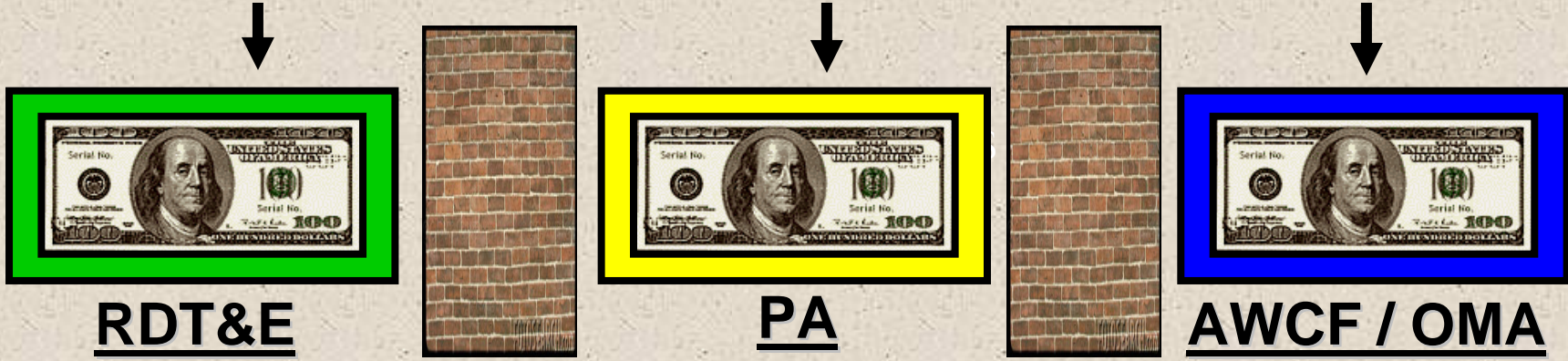
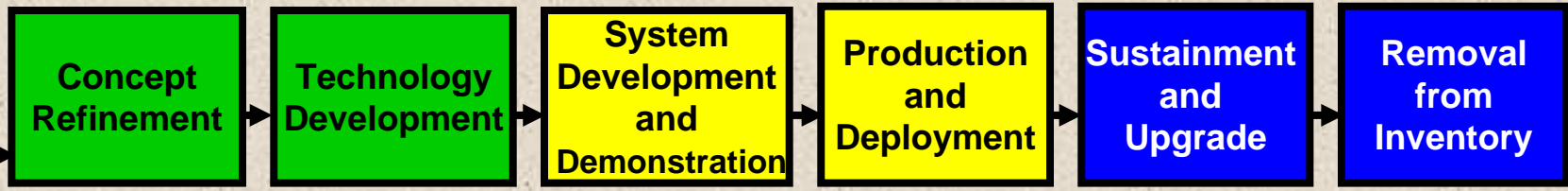
It Isn't That Tough



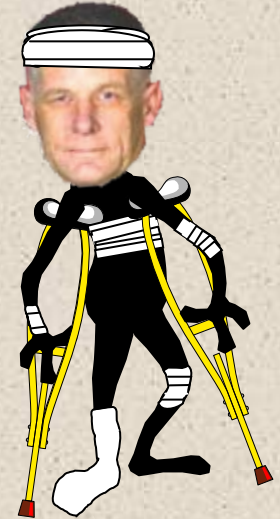


LCMC TRANSFORMATION CHALLENGE

Joint Warfighter Reqmts



- **CONCEPTUAL BARRIERS**
- **FINANCIAL BARRIERS**
- **POLICY BARRIERS**
- **LEGISLATIVE BARRIERS**
- **CULTURAL BARRIERS**
- **ORGANIZATIONAL BARRIERS**





Partnering in End Items

**Abrams AIM/SEP
Tank**

GDSL ↔ ANAD

**Bradley Fighting
Vehicle**

BAE ↔ RRAD

**Stryker Battle
Damage Repair**

GDLS ↔ ANAD

HEMTT Reset

Oshkosh ↔ RRAD

FMTV Reset

BAE ↔ RRAD

HMMWV Recap

AM General ↔ RRAD

MRAP

BAE ↔ LEAD

ASV

Textron ↔ RRAD

FCS Cannon

GDOTS ↔ WVA



Partnering in Components Refurb/Upgrade

TIGER Tank Engine Partnership

Program

- Execute a 5 Year Integrated program to sustain the AGT 1500 fleet to an average MTBDR of 1400 hours without increasing O&S Costs



Bradley Transmission Partnership

Program

- Pure Fleet to HMPT 500-3ECB Leverage, RESET, RECAP & Attrition



CAT Engine Rebuild - RRAD -

Program

- Furnish engines for reset, reman, or overhaul

CATERPILLAR





Condition Based Maintenance

- Functional data from electronic control modules
- Platform sensors and Data
- Automatic data collection, storage, and transmission (transparent to the unit)
- Unique Item Tracking to key components
- Maintenance and Logistics analytical tools and reports
- Correlate Maintenance actions with data collected and shared with industry
- Risk reduction with Fort Knox Fielding
- Establishes the foundation for the LCMC CBM+ Capability

Vehicle Configurations



**Giving Industry Visibility of their Systems
Need Industry to Drive Smart Decisions**



Army has a Life Cycle Focus

- **Continuous product improvement**
 - Performance based logistics
 - Let us know when we make bad TRADES
- **Industry must be fast and agile**
- **Condition Based Maintenance needed**
 - Provide access to system data
 - Need industry help
 - Will be readiness and business case driven

Bottom Line

