

**AMERICA'S ARMY:
GLOBALLY RESPONSIVE
REGIONALLY ENGAGED**

The background of the slide is a collage of military action scenes. In the upper left, a Chinook helicopter is in flight. In the upper right, a fighter jet is visible against a blue sky. The central and lower portions of the image show soldiers in various combat scenarios: one soldier in the foreground is wearing night vision goggles, another is aiming a rifle, and a third is looking upwards. In the lower left, a military truck is parked in a dusty, mountainous area. The entire scene is framed by diagonal gold lines.

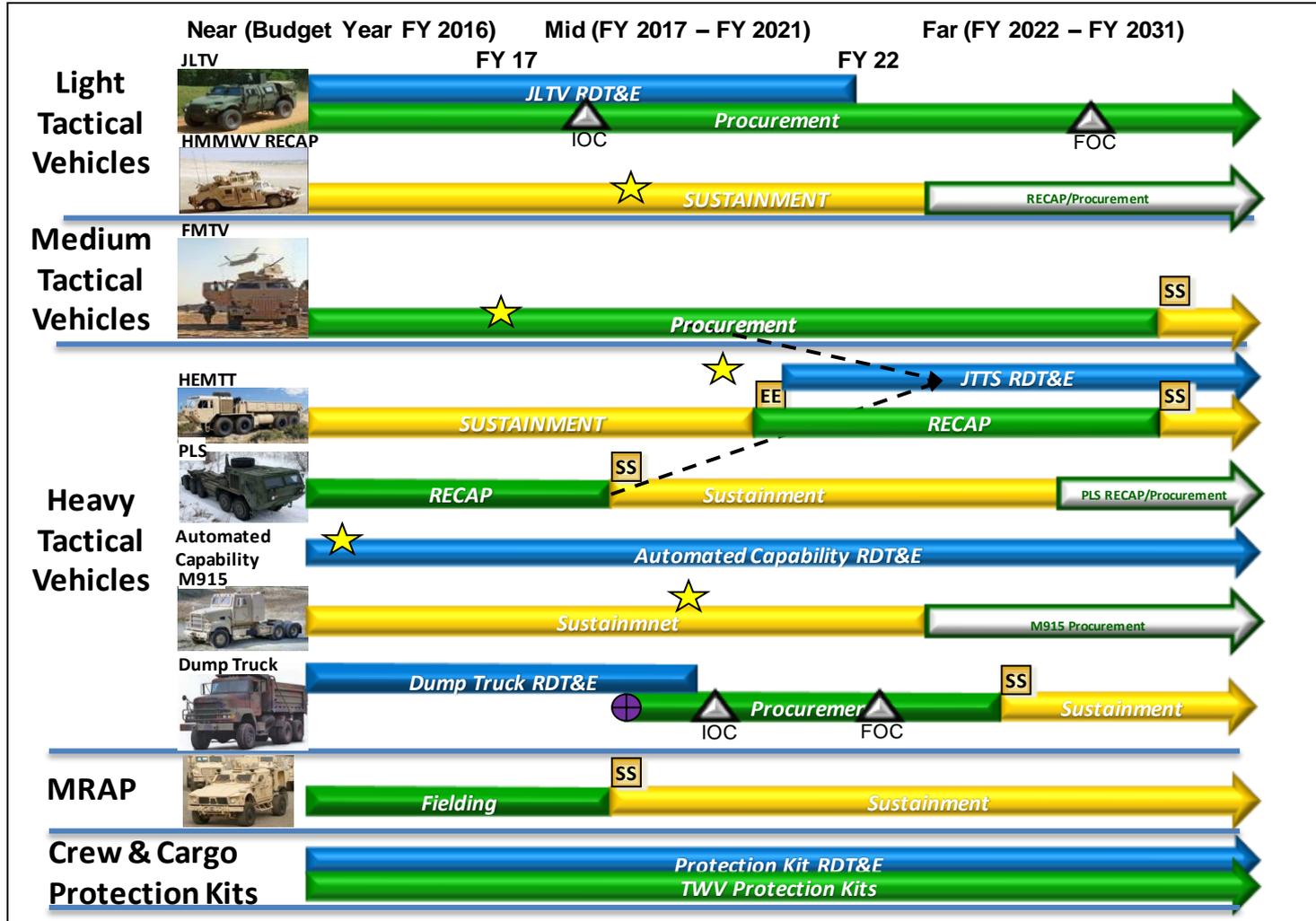
Tactical Wheeled Vehicles “Looking To The Future”

MG Credic T. Wins
Director of Force Development, Army G-8
25 August 2015
NDIA TWV Conference

★ ARMY STRONG ★

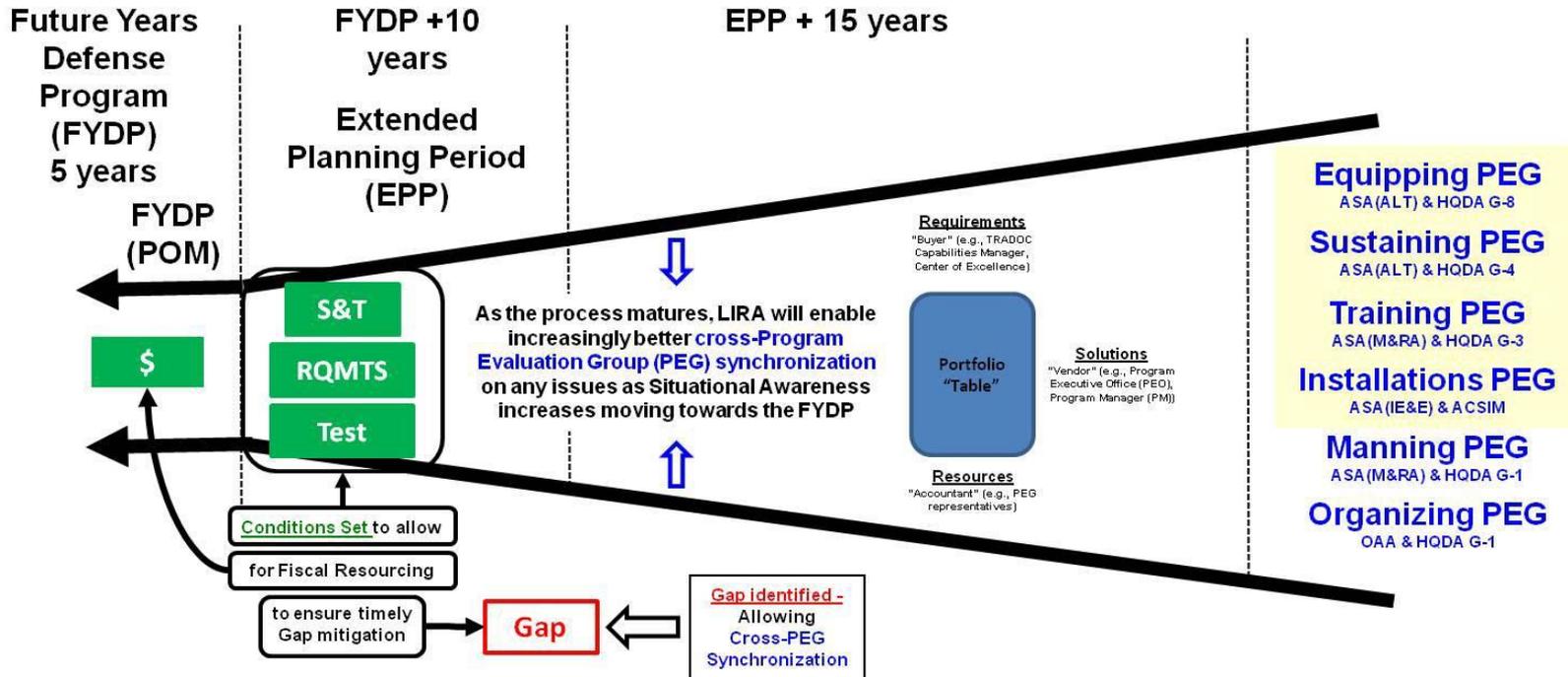
- ❖ President's Budget (PB) 2016 TWV Strategy – *An Overview*
- ❖ Long Range Investment Requirement Analysis – *Looking Deep To Set Conditions*
- ❖ TWV Autonomy
- ❖ Joint Tactical Transportation System (JTTS)
- ❖ Challenges
- ❖ Summary

PB16 TWV Modernization Strategy



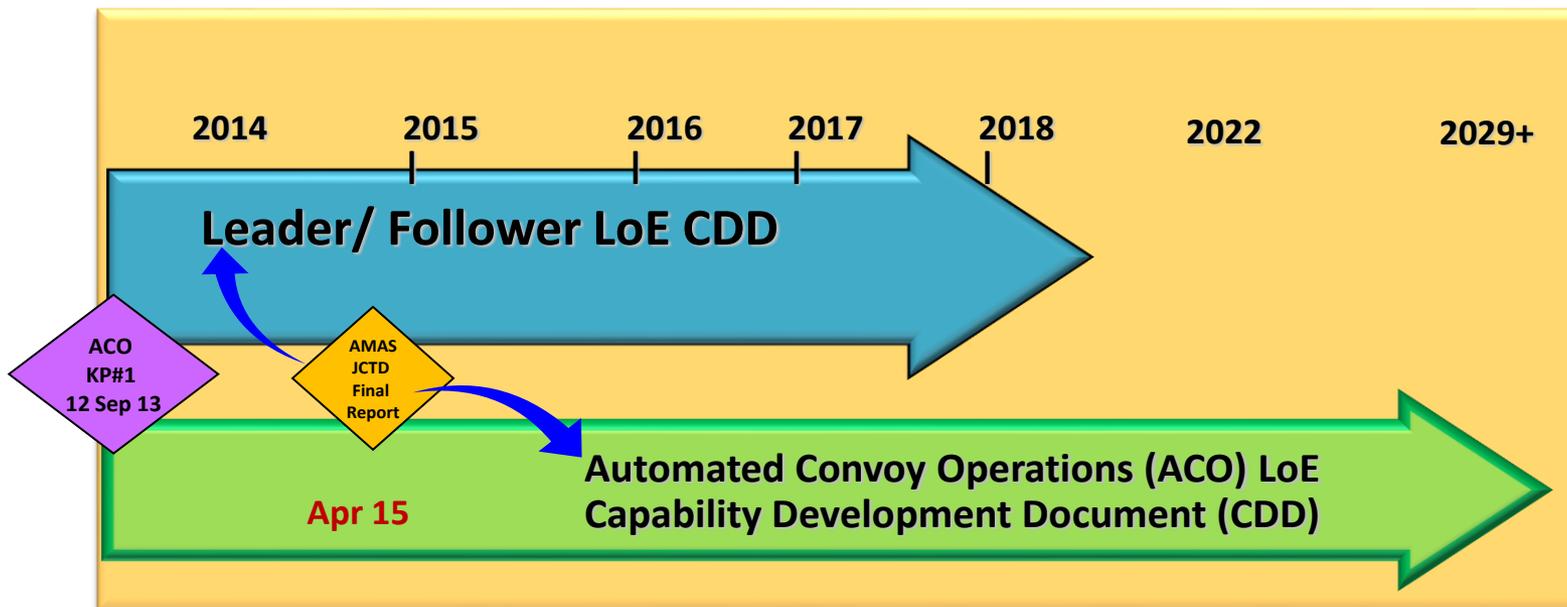
Long Range Investment Requirement Analysis

Task: Examine annually the life-cycle affordability of estimated future materiel requirements, for 30 years, against estimated total obligation authority



Purpose: Enable better integration of S&T initiatives, materiel requirements & testing efforts, and synchronization of cross-PEG actions, necessary to (1) ensure fielding of timely, affordable materiel solutions that mitigate or eliminate anticipated future capability gaps, and (2) support Senior Leader interactions with OSD and the Congress

Key emerging TWV capabilities: Autonomy & Commonality/Modularity.



Desired End state

- ❑ Short Term: Deliver LF vehicle capability to a Transport Unit (size TBD) by FY 18.
- ❑ Long Term: deliver automated vehicle capability to a Sustainment BDE/ CSSBs and ABCT BSBs starting in 2025.

Meets CSA Strategic Guidance:

- Operational energy
- Logistics Operational Efficiencies
- Robotics Integration

Joint Tactical Transportation System (JTTS)

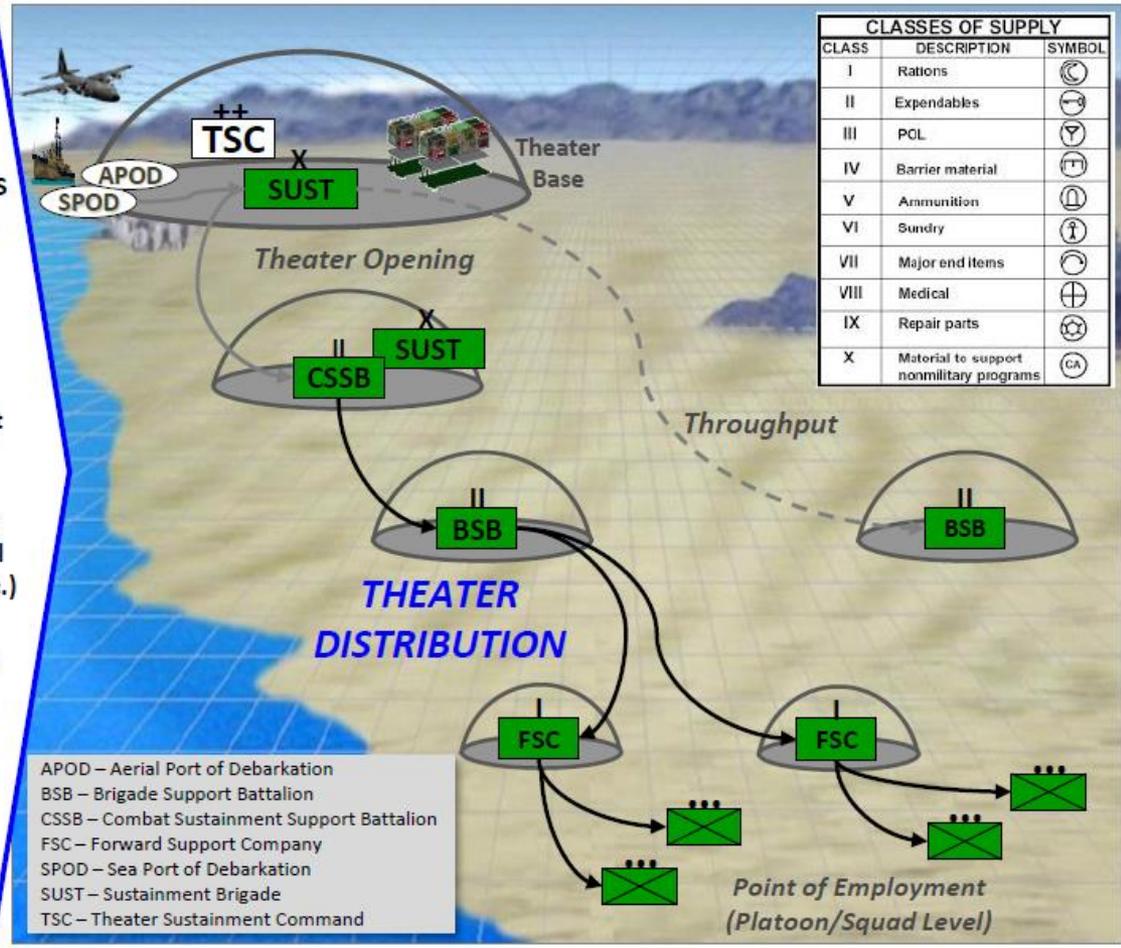
- FMTV / FHTV support both Employment and Theater Sustainment
- JTTS Objective to perform Sustainment Operations more efficiently than current baseline (over 50 unique FMTV / FHTV variants)

Legacy Medium & Heavy Tactical Wheeled Vehicles

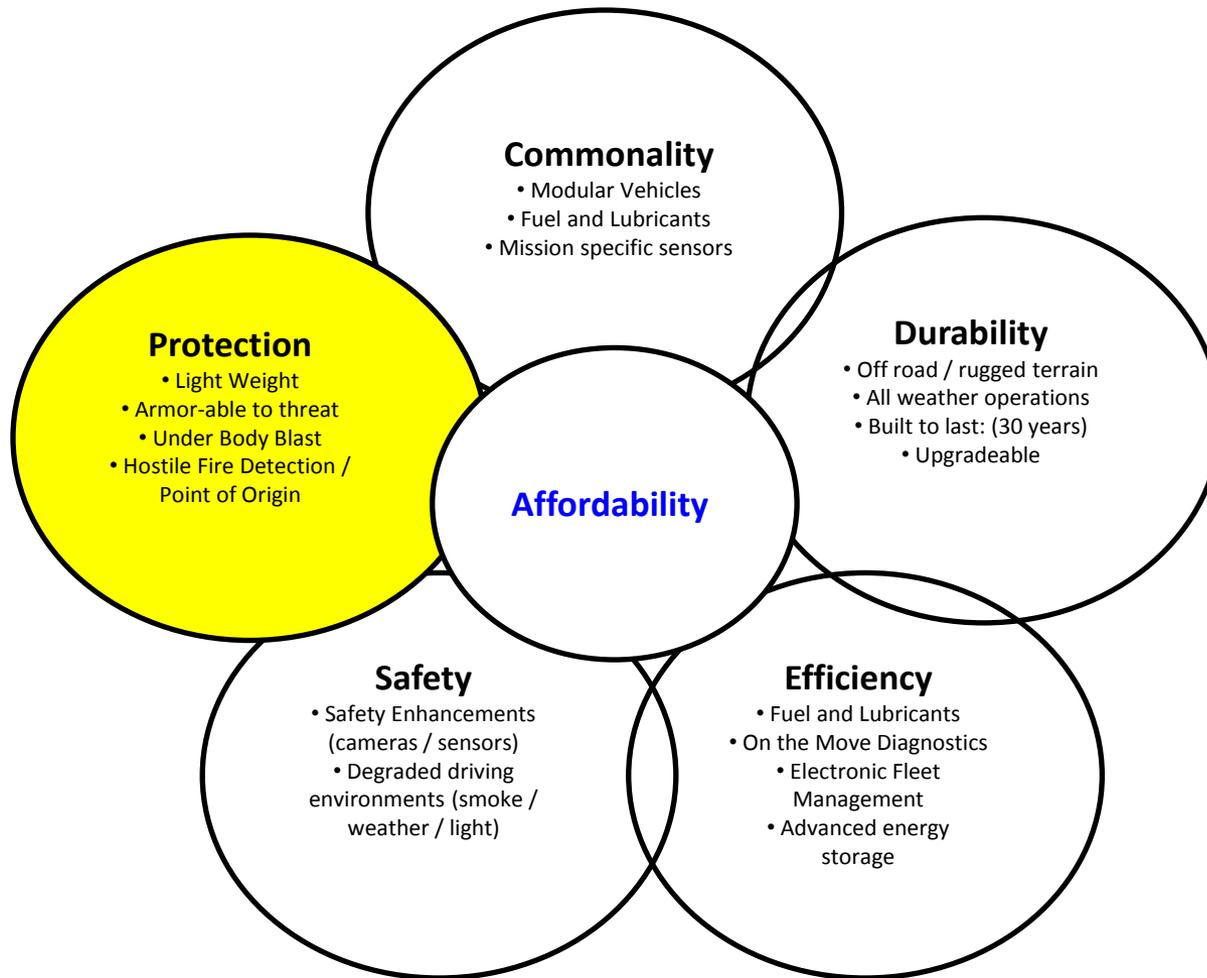
-  **FMTV**
2.5T – 10 ton
-  **HEMTT**
11 ton
-  **PLS**
16.5 ton
-  **915 FoV**
47 ton
-  **TBR**
70 ton
-  **MTVR**
15 ton highway
7 ton off-road
-  **LVSF**
22.5 ton highway
16.5 ton off-road

Joint Tactical Transport System (JTTS)

- 5-ton cargo & 18-ton LHS Payload weight classes
- Maximize Commonality & Modularity
- VICTORY Compliant Electronics
- Operational Energy Improvements (fuel economy, RAM, etc.)
- Autonomous Convoy Operations (ACO) infrastructure
- Survivability Enhancements
- Condition-Based Maintenance (CBM+)



Challenges – Where We Need Your Help



- ❖ **Joint Light Tactical Vehicle (JLTV)** - the centerpiece of the Army's TWV modernization strategy.

- ❖ **Key emerging TWV capabilities:**
 - Leader-Follower (FL)
 - Automated Convoy Operations (ACO),
 - Joint Tactical Transportation System (JTTS)

- ❖ **Our Partnership With Industry** Remains Essential.

Q1: This week the Army will award the JLTV contract. How will JLTV fit into the Light Tactical Vehicle fleet?

Q2: Protection is a key component of the current TWV Strategy. How does the Army intend to address mission demands to mitigate Soldier risk?

Q3: What is the Way Ahead for current investments and the future collaborative process for the TWV fleet?