Project Lead Integration Overview and Challenges

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Mr. J. Steven Roberts Project Lead Integration

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Integration (PL I) – Overview & Challenges



Steve Roberts

Project Lead



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Project Lead Integration (PL I) Organization





PL Integration Mission and Focus





Setting Conditions For Modernization





Unclassified

Tactical Vehicles – Path to Electrification



Near-Term:

Kits and Commercial (FY23-26)

- Anti-Idle kits
- JLTV/HMMWV HEV Demonstrators
- HEV Decision Point for Tactical Vehicle



Near-Term initiatives within PEO CS&CSS will be used to mitigate hybrid and electric technological barriers to entry and inform future requirements.

HCS&CSS

Legend

eLRV – Electric Light Reconnaissance Vehicle FMTV – Family of Medium Tactical Vehicles HEV – Hybrid Electric Vehicle HMMWV – High-Mobility Multipurpose Wheeled Vehicle JLTV – Joint Light Tactical Vehicle TaCV-E – Tactical and Combat Vehicle Electrification



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Predictive Logistics (PL)

Requirements Development

- Abbreviated Capability Development Document (A-CDD)
- Information Systems Initial Capability Document (IS-ICD)
 - Adds Class III (Fuel) & Class IV (Ammo)

Focus Areas:

- 2/3ID Demonstration: 130+ CS&CSS assets
- PL technology part of Anti-Idle protypes at Ft. Cavazos
- Operational Energy Capability Improvement Fund (OECIF) project: Sensoring HEMTT Fuelers and Tank Rack Module (TRM)
- Development and Sustainment of Digital Logbook (DLB) software; Collection of sensor data and automation of forms/updates into Army enterprise systems
- Data Analysis and Cost Benefit Analysis to determine value of PL data
- Use of PL sensor data to improve vehicle safety
- Support of Contested Logistics (PACOM)











Arctic Mission (Extreme Cold Weather)

- On-Site Support to 11th Airborne Division at Joint Base Elmendorf-Richardson
- Fielding of Existing Systems
- Arctic Temperature Requirement: AROC
- Challenges:
 - Smog from idling vehicles
 - Material properties in Extreme Cold Weather (ECW)
 - Mobility (Snow, Ice, Melting Terrain)
 - Batteries
 - Touchscreens
 - Maintence
 - Liquid Logistics















- Multiple areas of interest across the PEO/Enterprise
- Strategies to requirements
- Electrification (Crawl...Walk...Run)
 - Support of Climate Strategy BUT....
 - Supports emerging mission requirements

Predictive Logistics

- Sensor to enterprise
- Funding opportunities other people's money
- Arctic and ECW
 - Temperature being established
 - Unique challenges

