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Future Environment

Key Components of TWV in the Future Environment

- Multi-Domain Operations (MDO) from the Strategic Support Area to the Deep Maneuver Area requires reliable, agile, and responsive capability to enable distribution.

- Sustainment has the ability to take existing technology, integrate modernization, and leap with CFTs and the total force to ensure support at the critical point of need.

- TWV’s are the cornerstone of the effort and must adapt to support these efforts. S&T investment is important to be able to leap into the future.

TWV’s must have the capacity, capability, and endurance necessary to operate across multiple domains in contested spaces against a near-peer adversary.
Future Tactical Wheeled Vehicles

Short Term
- Develop to the dimensions of current and evolving platforms
- Increase distribution through autonomy
- Employ Diagnostics

Mid Term
- Build fleet commonality
- Leverage COTs
- Reduce fuel consumption
- Improve Semi-Autonomous operations
- Develop Prognostics

Long Term
- Expand interchangeability
- Pursue Electrification
- Expand to Full Autonomy
- Incorporate AI

Solve Current Capability Challenges:
- Divest to increase both efficiency and effectiveness

Set Conditions to Leap:

Leap platforms to future capabilities:
Maintaining a robust TWV fleet is critical for the Army to succeed in the MDO environment.

Through their varied applications and the ability to support the range of mission sets, TWVs provide the Army and Joint Forces flexibility for Dynamic Force Employment.

As the Army starts to field its modernization priorities, the TWV fleet requirements will grow in concert and will supply increased ammunition, fuel, support extended range operations, provide heavy lift and enhanced force protection.

The TWV technology advancements will come from a healthy industrial (automotive) base which the Army will leverage to enable increased capabilities outlined in this TWV Roadmap document.

The Army and industry need to find savings through partnership; we have the resources available to develop the right TWV capability to meet the current and future warfighter needs.
Questions