



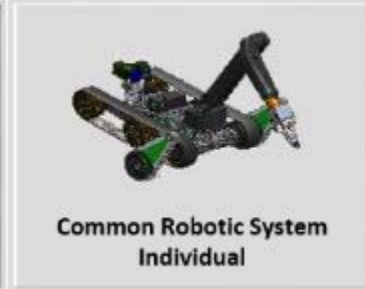
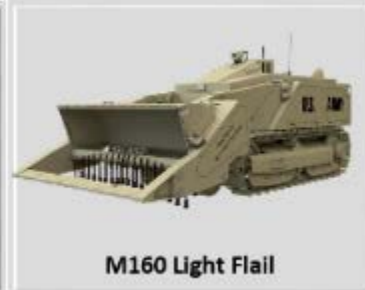
# PROJECT MANAGER FORCE PROJECTION

## Army Ground Robotics TWV Conference

LTC Cory Berg  
PdM Applique and Large  
Unmanned Ground Systems



# PEO CS&CSS Robotics Portfolio



Talon IV	Packbot 510 FASTAC	SUGV 310 Mini-EOD	Dragon Runner	First Look

**Non-Standard Equipment**



\* Images are conceptual representations, not endorsements.



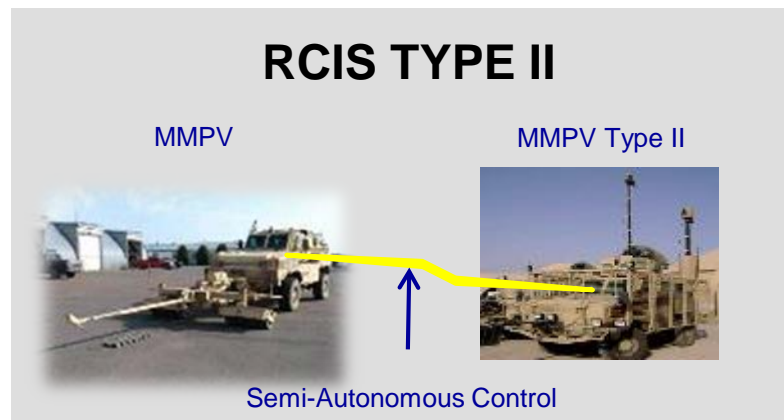
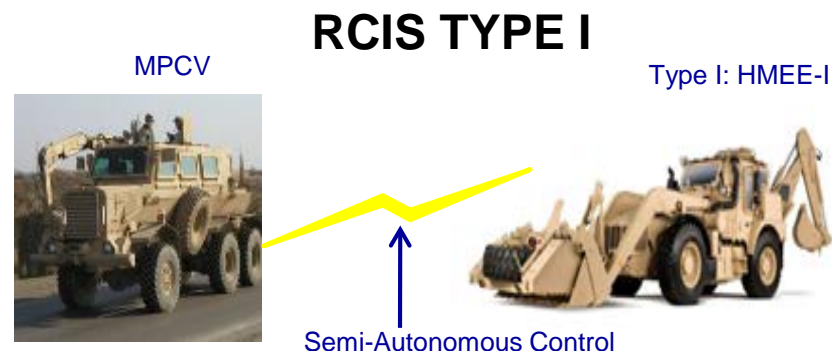
# Route Clearance & Interrogation System (RCIS)

Route Clearance & Interrogation System (RCIS) CPD consists of two capabilities that are unmanned, semi-autonomously controlled, highly mobile platforms to support Route Clearance Platoons and the BCTs.

- RCIS Type I:
  - Optionally manned or unmanned
  - High Mobility Engineering Excavator (HMEE) capable of enabling Soldiers to semi- autonomously interrogate, excavate, and classify deep buried explosive hazards, IEDs, and caches.

- ✓ CPD: Approved, Dec 2012
- ✓ Industry Day: 1-2 Aug 2016
- RFP Release: MAY 17
- Milestone B: 1QFY18
- Contract Award: 1QFY18
- AAO: 260

- RCIS Type II to follow, leveraging technology and architecture from the RCIS Type 1 program





# SMET Directed Requirement

**Description:** Select ~4 surrogates, totaling 60-80 systems issued to Soldiers in 2-3 Brigades for a 1 year excursion to develop TTPs and CONOPS

**Two Configurations:** Unmanned and Optionally Manned

**Required Capabilities:**

• Carry 1000 pounds	• Operate over 60 miles in 72 hrs	• Generate 3KW stationary and 1KW moving
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**Stretch Goals:**

<ul style="list-style-type: none"> <li>• Follow Me</li> <li>• Battery Charging</li> <li>• Reliability</li> </ul>	<ul style="list-style-type: none"> <li>• Silent Watch</li> <li>• Universal controller compatibility</li> <li>• Anti-Rollover</li> </ul>	<ul style="list-style-type: none"> <li>• Transportability at convoy speed</li> <li>• Embedded Video TMs and Manuals</li> <li>• Interoperability/Expandability</li> </ul>
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Near Term (April to October 2017)

- RFP Release
- FY17 SMET Trials (late summer)
- Contract for 15-20 Systems X 4 variants
- \$100K per system target cost
- Excursion with 60-80 systems in 2-3 Brigades
  - Demonstrate and insert increased capabilities
  - FSR Support for 15-20 systems at 4+ Government Sites/Installations



NIE16.1 OCT15 SMET Surrogates



# Leader Follower Directed Requirement

**Description:** Capitalize on Automated Ground Resupply S&T efforts to equip 2-3 Transportation Companies with Leader Follower capability for a year-long Technology Demonstration for TTP and CONOP development

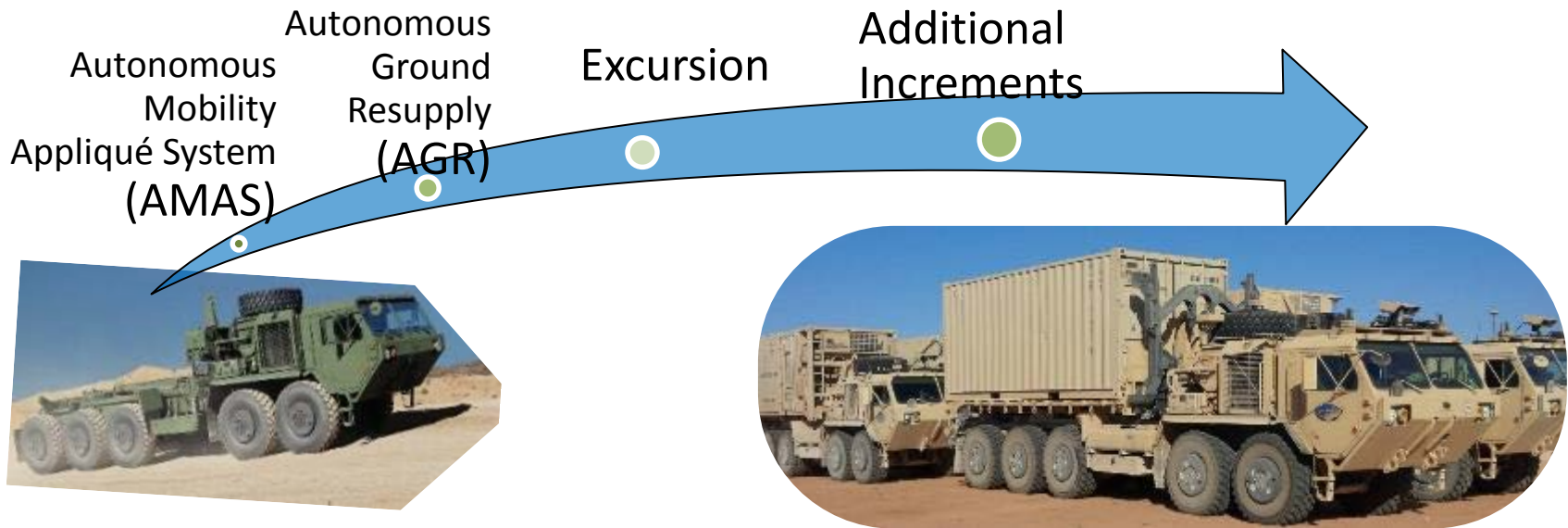
## Required Capabilities:

- |   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li>• Lane Following</li> <li>• Day/Night Ops</li> </ul> | <ul style="list-style-type: none"> <li>• Obstacle Detection</li> <li>• Line of Site Operation</li> </ul> | <ul style="list-style-type: none"> <li>• Primary/Secondary Roads</li> <li>• Optionally Manned</li> </ul> |
|---|--|--|

## Stretch Goals:

- |   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li>• Automated Reverse</li> <li>• Sensor Range Improvement</li> </ul> | <ul style="list-style-type: none"> <li>• GPS Denied Ops</li> <li>• Obstacle Avoidance</li> </ul> | <ul style="list-style-type: none"> <li>• Heavy Rain/Snow/Fog</li> <li>• Unimproved Roads/Trails</li> </ul> |
|---|--|--|

**System Evaluation/ Measurement :** September 2017





# POC

PM Force Projection (FP)

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