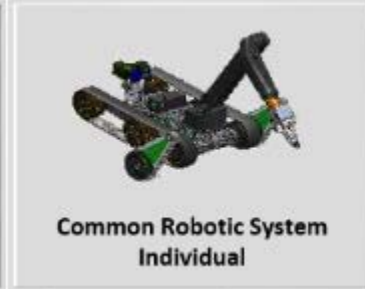
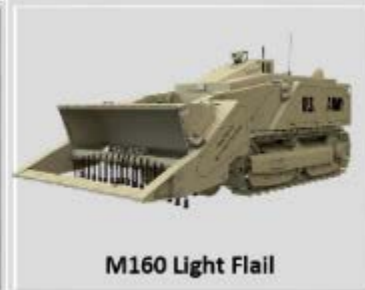




PEO CS&CSS Robotics Portfolio



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

Non-Standard Equipment



* Images are conceptual representations, not endorsements.



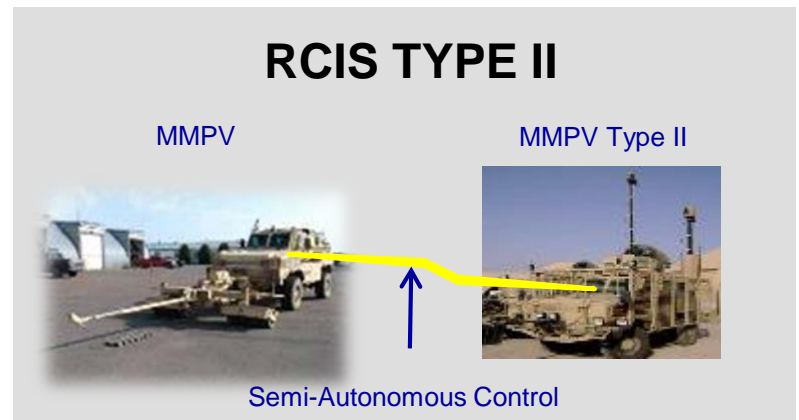
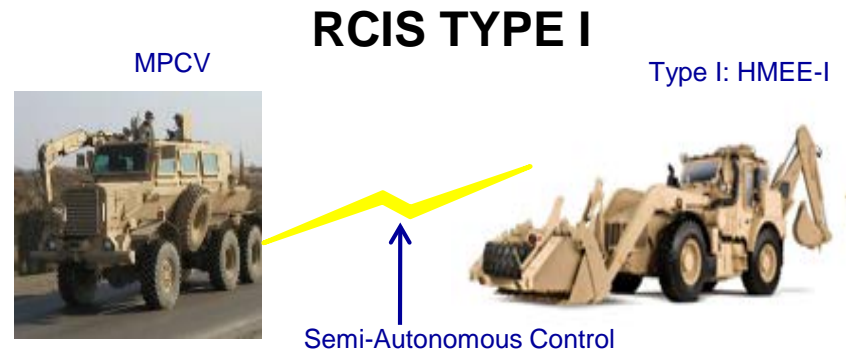
Route Clearance & Interrogation System (RCIS)

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

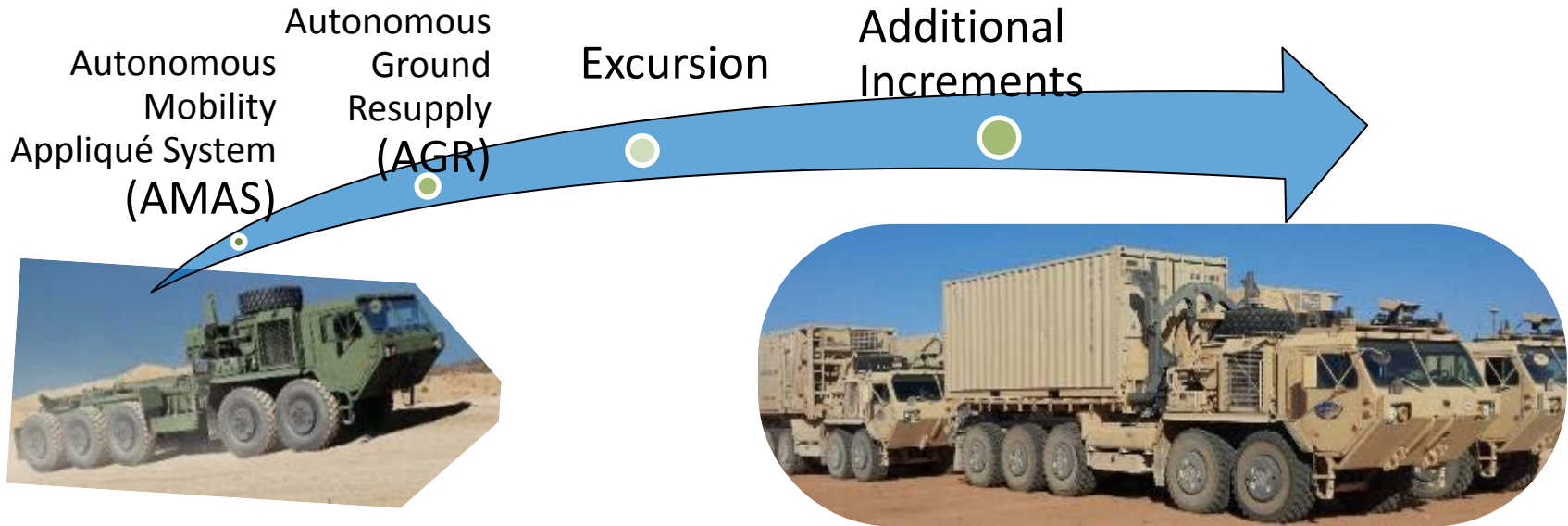
Required Capabilities:

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

Stretch Goals:

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

System Evaluation/ Measurement : September 2017





POC

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