

CRS-I EOD ROBOT STUB CONVERSION KIT

PROJECT OVERVIEW

- Common Robotic System-Individual (CRS-I) uses multiple standard AN/PRC-148 Li-ion batteries for power. With the introduction of the Small Tactical Universal Battery (STUB), it is an advantage for CRS-I to be able to also operate with STUB. This effort will update the CRS-I AN/PRC-148 interface and add STUB interoperation capability and Intelligent Battery Tray (IBT) technology to ensure resilient, predictable and flexible power to achieve optimal mission time.

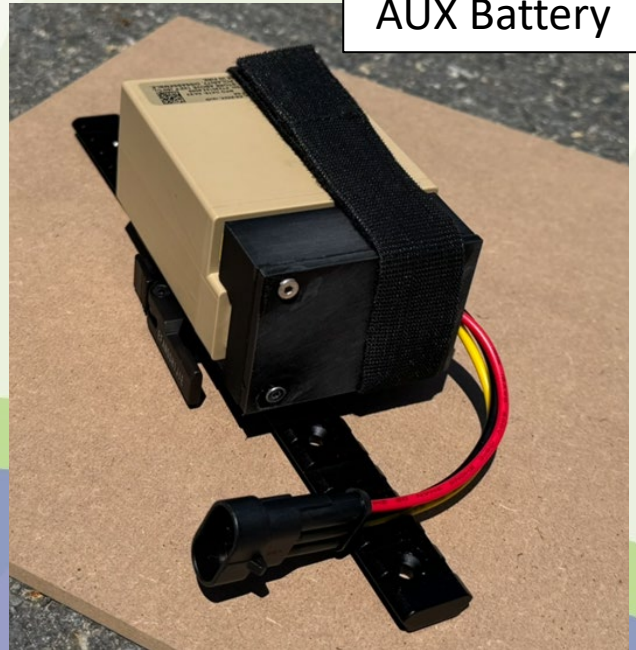
BENEFITS

- Improved mission time and battery performance
- A STUB interface will be designed in to support this next generation battery family.
- Can be charged by the USB power in-field without dedicated charging stations.

PATH FORWARD

- Development of one prototype CRS-I STUB Conversion Kit for demonstration and testing on a CRS-I robot.
- Development of a detailed drawings for the CRS-I STUB Conversion Kit
- Development of Operations & Installation Manual for the CRS-I STUB Conversion Kit

AUX Battery



Drive Batteries



DoD Executive Agent

Office of the Assistant Secretary of the Army for Installations, Energy, and Environment

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FOR FURTHER INFORMATION

National Defense Center for Energy and Environment

<http://www.denix.osd.mil/ndcee/home>

Ground Vehicle System Center

<https://gvsc.devcom.army.mil/>