

**Forty-Fourth Joint DoD/DOE  
Use Control Logistics Working Group Meeting  
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# **Status of the UP1643 Power Module**

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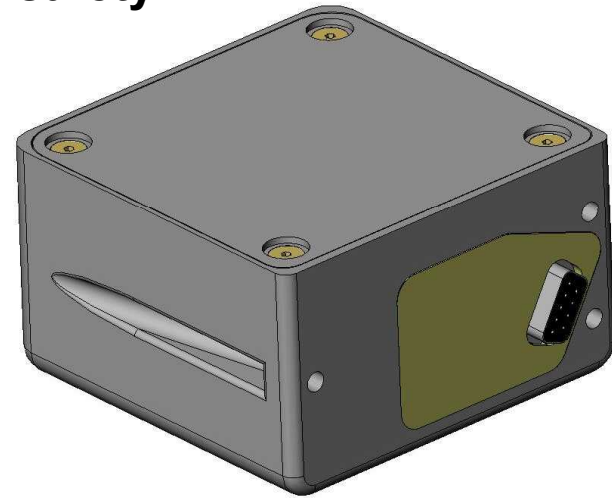
**Sandia National Laboratories**



# Background

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- The UP1643 Power Module is an upgrade to the UP1640 Power Module currently fielded OCONUS.
- Key new features:
  - Removable lid allows battery replacement
  - Reusable packaging supports future upgrades
  - Current limiting enhances nuclear safety





# Recent Accomplishments

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- **The first prototype hardware was ready for evaluation in November.**
- **Prototype electrical characterization & environmental testing were performed in December & January.**
- **Design changes were identified & incorporated.**
- **Sandia authorized Honeywell FM&T to begin the second development build (POD) in February.**



# Upcoming Activities

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- **POD hardware is expected in August.**
- **POD hardware will be evaluated September through November.**
- **The Process Prove-In Build (PPI) (the final build before DoD production) will start in October.**
- **DoD production will start July 2010**
- **On track to meet June 2011 DoD delivery**