

**Forty-Fourth Joint DoD/DOE
Use Control Logistics Working Group Meeting
31 March – 1 April 2009**

Status of the UP1643 Power Module

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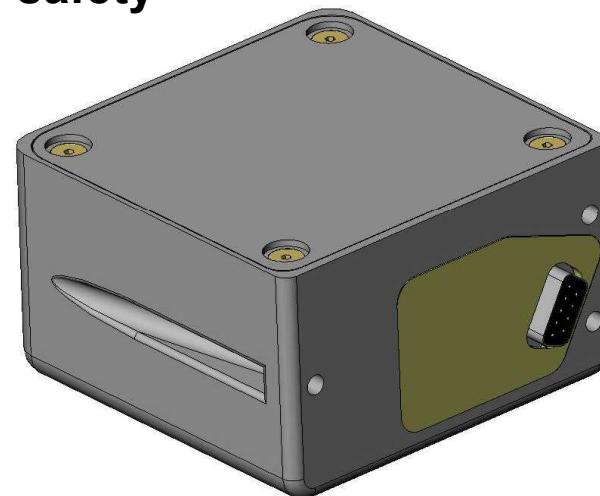
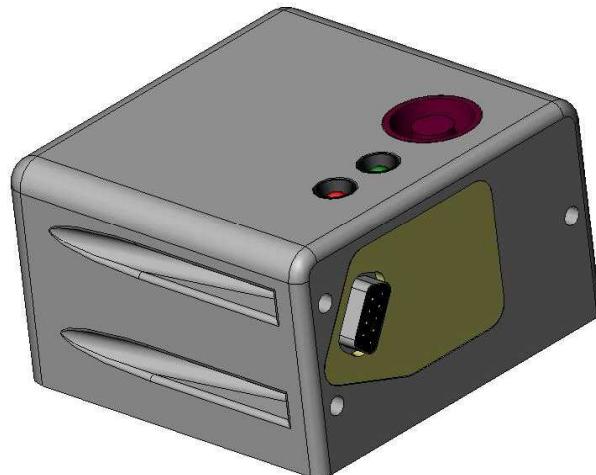
Sandia National Laboratories

Sandia is a multi-program laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
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Background

- 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

- 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

- 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