

MOVE Type-D Keyset Incident

Splinter Group Summary

NSG 10/20/11

Type D keyset Fire Hazard

- Five incidents since 6/10/11
- Cause
 - High voltage side of Backlight inverter board arcing to ground
 - Speaker Wire routing and insulation
 - Backlight inverter board fastener
 - Material (dust, dirt, etc.
- Solutions
 - Coat high voltage side of inverter board with insulating conformal coating
 - Reroute speaker wire and insulate > 1,200 V dielectric material
 - Fuse inverter board input
 - Replace metal fastener

Responsibilities

- Frequentis
 - Retrofit all NASA Type-D keysets
 - Will perform retrofit at NASA locations in up to 2 phases
 - Retrofit begins mid November 2011
- NASA
 - Provide escorts
 - ESD work area
 - Keyset interface to switch for testing

Concerns

- Frequentis acquiring needed materials from suppliers in a timely manner
 - Frequentis actively working with suppliers
- NASA Safety recommendation to power off keyset when unattended for more than 10 minutes
 - MOVE PM working with NASA Safety and Mishap Investigation team reconsider
- Toxicity of Fumes
 - Under investigation by NASA Safety