



# Airplane Lithium-ion Battery Events

## A Guide for Fire Fighters

### The Response Hazard

Some Boeing airplanes are being equipped with lithium-ion batteries which are contained in a stainless steel enclosure with a vent tube leading overboard. These batteries store energy that can generate intense heat in the event of a short circuit or other failures. Lithium-ion batteries can short circuit if they are improperly packaged, dropped, damaged or have manufacturing defects.

Each lithium-ion cell contains a flammable electrolyte



7. If battery is not venting or venting is complete, access the E&E bay to ensure there is no other visible fire source.
  - a. In the event of visible flame Halon (or Halon replacement) is the recommended agent to suppress a fire. If Halon, or Halon replacement is unavailable, then CO2 would be the recommended agent. Do not use dry chemical or powder of any kind.
  - b. Flood the E&E bay with appropriate agent for approximately 20 to 30 seconds and then