Pre-HALT Considerations:

- How will the hardware be functionally tested while in the chamber?
- How will the cause of anomalies be traced to the source?
- What is the duration of the functional test? Is it continuous or run periodically?
- What will be monitored? (Here are a few examples)
  - Voltage
  - Current
  - Frequency
  - Input / output signals
  - Communications
  - Mechanical actuation, position
  - Motors, solenoids, valves
  - Audio
  - Video
  - Lights
- Do you need to depress buttons, switches, levers, touch screen, etc?
- Can some items me isolated and or removed from the chamber that should not be exposed to high temperatures or vibration? Such as Li batteries, hard drives or sensitive devices.
- Multiple spare units and or parts should be available to enable onsite repairs.
- If the unit to be tested is fully enclosed in plastic or sheet metal, can covers be removed or large holes added to the covers to improve temperature exposure to the internal parts?
- What will constitute a failure condition?
- Fixture requirements (Typically performed by Quality Testing Services).
- Extended cables to connect to external test equipment of approximately 6-8 feet.
- Thermocouple and Accelerometer monitoring locations (Quality Testing Services can help decided if you are unsure).
- Are there know limitations to the hardware such as built-in thermal protection or unusual sensitivity to temperature that would cause a premature failure? Can built-in protections be over-ridden?
- ???