IEEE 650 PAR Status

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Purpose of standard IEEE 650

- and ancillary equipment to meet the requirements for 1-E equipment.
- A It is specific to mild environments outside of the containment
- Addresses potential electrical, mechanical and environmental extremes

Major changes to existing std.

Abstract - Add, "These methods may also be applied to qualify similar electronic equipment for use in mild environment applications outside containment, where specific standards for such equipment are not available."

Major changes to existing std.

- Definitions Under definition of components, replace "transistors" with "semiconductors" and replace "springs" with "electromechanical devices".
- Delete block in flow chart labeled "Stress Test and step (5.3.1.8)" in procedure. This type of test is not typically performed twice on other equipment not in containment.

Major changes to existing std.

- **O Change mild environment radiation dose to 1E 10³ Rads from 1E 10⁴**
- **Add** "Radiation tolerance levels must be verified by the manufacturer / qualifier."
- ગ Add a section (5.2.2.2.11) for "Motors, Pumps, and/or Other Materials"

Plans for completion

- **a** Complete revisions and corrections by
- December 2004
- **∂** Submit for ballot early 2005