Revising the Scope of the Isolation Ad Hoc

Background

- Isolation ad hoc was created with the following scope:
  - " to examine the current isolation text in IEEE Std 802.3 and, if required, build consensus on proposed updates, either through the maintenance request process or amendment project." (per website)
- The discussion of the isolation text has revealed several inconsistent references to safety standards, including IEC 60950-1. In the process of examining these, we found several other safety standard references in IEEE 802.3-2015, treated inconsistently.
- There is general consensus – IEEE 802.3 is not a safety standard, and the focus of this work is on how to reference them.

Example of a non-isolation safety standard reference in 802.3-2015

52.10 Environmental specifications

52.10.1 General safety

All equipment meeting this standard shall conform to IEC-60950-1.

52.10.2 Laser safety

10GBASE-R and 10GBASE-W optical transceivers shall conform to Hazard Level 1 laser requirements as defined in IEC 60825-1 and IEC 60825-2, under any condition of operation. This includes single fault conditions whether coupled into a fiber or out of an open bore.

Recommended new scope for ad hoc

- To examine the current text in IEEE Std 802.3 for electrical isolation and text referencing safety standards, and, if required, build consensus on proposed updates, either through the maintenance request process or the amendment process.