

802.3 Proposed Baseline Text

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Salt Lake City, UT, USA

Jon Lewis – Dell EMC

60950, 60950-1 Where Used (IEEE 802.3-2018)

Normative References: 2 references (60950:1991, 60950-1)

Isolation Requirements - 14 references (Each references the spec more than 1x)

- **8.3.2, 9.9.3.1, 12.10.1**, 14.3.1.1, 15.3.4, **23.5.1.1, 23.12.4.12 (PICS)**, 25.4.6, **32.6.1.1, 32.13.5.8 (PICS)**, **33.4.1**, 40.6.1.1, 40.12.7 (PICS), 55.5.1, 113.5.1, 126.5.1

General Safety - 63 references

- **8.7.1, 8.8.6.11 (PICS)**, 14.7.123.12.4.16, 14.10.4.5.15 (PICS), **23.9.1, 23.12.4.12 (PICS), 23.12.4.16 (PICS), 27.5.1, 27.7.4.11 (PICS), 32.10.1, 32.13.5.11 (PICS), 33.4.1, 33.7.1, 33.8.3.9 (PICS)**, 38.7.1, 38.12.4.5 (PICS), 40.9.1, 40.12.10 (PICS), 41.4.1, 41.6.4.11 (PICS), 52.10.1, 52.15.3.11 (PICS), 53.10.1, 53.15.4.5 (PICS), 55.9.1, 55.12.9 (PICS), 58.8.1, 58.10.3.6 (PICS), 59.8.1, 59.10.3.6 (PICS), 60.10.1, 60.12.4.12 (PICS), 68.10.3.5 (PICS), 70.9.1, 70.10.4.5 (PICS), 71.9.1, 71.10.4.6 (PICS), 72.9.1, 72.10.4.7 (PICS), 75.8.1, 75.10.4.19 (PICS), 84.10.1, 84.11.4.5 (PICS), 86.9.1, 86.11.4.5 (PICS), 87.9.1, 87.13.4.6 (PICS), 88.9.1, 88.12.4.6 (PICS), 89.8.1, 89.11.4.5 (PICS), 93.10.1, 93.11.4.5 (PICS), 94.5.1, 94.6.4.6 (PICS), 95.9.1, 95.12.4.5 (PICS), 96.9.1, 96.11.4.9 (PICS), 97.9.1, 97.11.13 (PICS), 100.5.1, 100.7.3.3 (PICS), 112.8.1, 112.11.4.5 (PICS), 113.9.1, 113.12.10 (PICS), 126.9.1, 126.12.9 (PICS), 83A.6.1, 83A.7.7 (PICS), 83B.3.1, 83B.4.6 (PICS), 86A.7.1, 86A.8.4.4 (PICS)

Regulatory requirements

- **10.8.3**

Amendments in progress

- P802.3ca: 141.8.1 General safety
- P802.3cg: 146.9.1/147.10.1 General safety
- P802.3ch: 149.9.1 General safety
- P802.3cm: 150.9.1 General safety
- P802.3cn: 122.12.4.8 Environmental specifications

- These will need comments submitted during comment resolution to modify once final text has been accepted. Also, PICs should be modified accordingly

Proposed Modified Isolation Text:

- This electrical isolation shall withstand at least one of the following electrical strength tests:
 - a) 1500 V rms at 50 Hz to 60 Hz, applied as specified in Section 5.4.9.1 of IEC 62368-1:2018.
 - b) 2250 V dc, applied as specified in Section 5.4.9.1 of IEC 62368-1:2018.
 - c) A sequence of ten 2400 V impulses of alternating polarity, applied at intervals of not less than 1 s. The shape of the impulses is 1.2/50 μ s (1.2 μ s virtual front time, 50 μ s virtual time or half value), as defined in Annex D of IEC 62368-1:2018.

There shall be no insulation breakdown, as defined in Section 5.4.9.1 of IEC 62368-1:2018, during the test. The resistance after the test with the replacement of any components removed for AC or DC voltage testing shall be at least 2 MW, measured at 500 V dc as specified in Table 23 of IEC 62368-1:2018.

Motion

- Move to accept baseline text from Lewis_3cr_01_0519.pdf page 4 as the modified text for the Isolation clause.
- M:
- S:
- (Technical $\geq 75\%$)
- Y: N: A:
- Motions Passes/Fails