C/ FM SC FM P1 C/ FM P1 1 23 L10 # I-1 SC FM # I-4 **RMG** Consulting Self Grow, Robert Anslow, Peter Comment Type Ε Comment Status A F7 Comment Type Ε Comment Status A We now have 9 approved amendments and this is the only project in SA ballot. I believe There are now 9 approved amendments. this could now be safely labled Amendment 10 SugaestedRemedy SugaestedRemedy Change "and IEEE Std 802.3cm-2020." to "IEEE Std 802.3cm-2020. IEEE Std 802.3ch-Conditional on Mr. Law assigning the number, change "Amendment" to "Amendment 10:". 2020, and IEEE Std 802.3ca-2020." If done, also add amendment number to p. 9, I. 3. and p. 11, Line 30 (Amendment 10). Response Response Status C Response Response Status C ACCEPT. ACCEPT. C/ FM SC FM **P7** L15 # I-5 SC FM P1 L23 C/ FM # I-2 Anslow, Peter Self Grow, Robert **RMG** Consulting Comment Type Comment Status A ΕZ Comment Type Ε Comment Status A Please populate the list of Working Group ballot members. Both P802.3ch and P802.3ca are now approved. Though neither was approved with an SuggestedRemedy amendment number, the list of previous amendments in approved draft P802.3ca/D3.1 includes IEEE Std 802.3ch-20xx. Populate the list of Working Group ballot members. SuggestedRemedy Response Response Status C Change "and IEEE Std 802.3cm-2020." to "IEEE Std 802.3cm-2020. IEEE Std 802.3ch-ACCEPT. 20xx, and IEEE Std 802.3ca-20xx." C/ 138 SC 138 P103 **L1** # I-6 Response Response Status C ACCEPT IN PRINCIPLE. Anslow. Peter Self Comment Type Ε Comment Status A Change "and IEEE Std 802.3cm-2020." to "IEEE Std 802.3cm-2020. IEEE Std 802.3ch-Clause 138 was added by IEEE Std 802.3cd-2018. Clause 138 was modified by IEEE Std 2020, and IEEE Std 802.3ca-2020." 802.3cn-2019, but none of the changes made affect the changes being made here. Clause 138 was also modified by IEEE Std 802.3cm-2020, which changed the title of the clause. C/ FM SC FM P**7** L7 SuggestedRemedy Grow. Robert RMG Consulting At the top of Page 103 change "Clause 138 was added by IEEE Std 802.3cn-2019" to ΕZ Comment Type E Comment Status A "Clause 138 was added by IEEE Std 802.3cd-2018 and changed by IEEE Std 802.3cm-The WG people that voted is now known. 2020" Change the title of Clause 138 and the titles of 138.11 and 138.11.4 to reflect the changes made by IEEE Std 802.3cm-2020. SuggestedRemedy Response Response Status C Please fill in the 802.3 list of those that voted. ACCEPT. Response Response Status C ACCEPT IN PRINCIPLE.

Populate with Working Group members as detailed in the remedy for comment I-5. The remedy for comment I-5 is "Populate the list of Working Group ballot members."

C/ 139 SC 139 P105 CI 0 SC 0 P**2** 14 **L1** # 1-7 # I-10 Self Retired, Retired/Unemployed Anslow, Peter Maytum, Michael Comment Type Ε Comment Status A Comment Type TR Comment Status X Clause 139 was added by IEEE Std 802.3cd-2018, Clause 139 was modified by IEEE Std Keywords: Ethernet: IEC 60950: IEC 62368: Isolation: safety. IEC 62368-1:2018 only uses isolation in the context of mains Interlock circuits, mains 802.3cn-2019, which changed the title of the clause. disconnect device and Touch current from coaxial cables (galvanic isolation, which usually SugaestedRemedy consists of series capacitors). IEC 62368-1 uses the term "functional insulation" for the At the top of Page 105 change "Clause 139 was added by IEEE Std 802.3cn-2019" to IEEE 802.3 term "isolation". "Clause 139 was added by IEEE Std 802.3cd-2018 and changed by IEEE Std 802.3cn-SuggestedRemedy 2019" Change the title of Clause 139 and the titles of 139.11 and 139.11.4 to reflect the changes made by IEEE Std 802.3cn-2019. Add the term "functional insulation" to key words Response Response Status C Proposed Response Response Status W ACCEPT. TFTD C/ 140 SC 140 P107 **L1** # 1-8 Р CI 0 SC 0 # I-11 Self Anslow, Peter Maytum, Michael Retired, Retired/Unemployed Comment Status A Comment Type Ε Comment Type Comment Status X Clause 140 was added by IEEE Std 802.3cd-2018. Clause 140 was modified by IEEE Std There are various classes of insulation used in IEC 62368-1:2018. These are basic, double. 802.3cn-2019, but none of the changes made affect the changes being made here. functional, reinforced, solid or supplementary. Functional insulation and the treatment thereof is uniquely handled by IEC 62368-1 in clause B.4.4 Functional insulation SuggestedRemedy SuggestedRemedy At the top of Page 107 change "Clause 140 was added by IEEE Std 802.3cn-2019" to "Clause 140 was added by IEEE Std 802.3cd-2018" Add functional insulation definition from IEC 62368-1:2018 functional insulation: insulation between conductive parts which is necessary only for the Response Response Status C proper functioning of the equipment ACCEPT. NOTE: In IEEE 802.3 isolation is synonymous to functional insulation Proposed Response Response Status W C/ 141 SC 141 P109 / 1 **TFTD** Self Anslow, Peter Comment Type Comment Status A CI 0 SC 0 P25 L13 # I-12 "Clause 141 was added by IEEE P802.3ca" should be "Clause 141 was added by IEEE Std Maytum, Michael Retired, Retired/Unemployed 802.3ca-2020" Comment Type TR Comment Status X SuggestedRemedy "Isolation impedance between", but J1 doesn't mention impedance Change "Clause 141 was added by IEEE P802.3ca" to "Clause 141 was added by IEEE Std 802.3ca-2020" SuggestedRemedy Delete "impedance" Response Response Status C Proposed Response ACCEPT. Response Status W TFTD

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Comment ID I-12

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C/ 0 SC 0 P119 L22 # [-13

Maytum, Michael Retired, Retired/Unemployed

Comment Type TR Comment Status X

"defined in Annex D of IEC 62368-1:2018." This generator is hardy ever used or available. IEC 62368-1 specifies the use of this circuit 2 D.1 generator in G.10.3 Resistor test, G.16 IC that includes a capacitor discharge function (ICX) and to simulate transients in AC and DC mains power distribution systems. It is not used for testing functional insulation. The generator that is specified for insulation testing in IEC 60664-1:2020 is the 1.2/50-8/20 combination generator as described in IEC 61000-4-5:2014 Table 2.

SuggestedRemedy

Change text to "defined in Table 2 of IEC61000-4-5:2014"

Proposed Response Status W

TFTD

C/ 0 SC 0 P119 L21 # [-14

Maytum, Michael Retired, Retired, Unemployed

Comment Type TR Comment Status X

The IEC (see IEC 60099 series) defines the impulse designation of an impulse shape: combination of two numbers, the first representing the virtual front time (T1) and the second the virtual time to half-value on the tail (T2)

Note 1 to entry: It is written as T1/T2, both in microseconds, the sign "/ " having no mathematical meaning.

So the impulse designation of 1.2/50 µs doesn't need the µs.

SuggestedRemedy

Change "The shape of the impulses is 1.2/50" us " to "The shape of the impulses is 1.2/50"

Proposed Response Response Status W

TFTD

C/ 0 SC 0 P119 L27 # [-15

Maytum, Michael Retired, Retired / Unemployed

Comment Type TR Comment Status X

A major omission in Annex J is the requirements of IEC 62368-1 clause B.4.4 Functional insulation. What this clause says is if any of the following items are NOT met then the isolation/functional insulation is shorted. These items are; clearance and creepage distance for basic insulation, clearance and creepage distance for basic insulation under pollution degree 1 or pollution degree 2 and electric strength test of 5.4.9.1 for basic insulation. Shorting the functional insulation shall not create an equipment safety hazard.

SuggestedRemedy

Add text to the effect "Should insulation breakdown occur in isolation testing IEC 62368-1:2018 requires proof that an electrical hazard will not be created. IEC 62368-1:2018 B.4.4. applies a short across the isolation followed by a measurents and observations for safety hazards."

Proposed Response Response Status W

TFTD

CI **0** SC **0** P119 L18 # [I-16

Maytum, Michael Retired, Retired, Unemployed

Comment Type T Comment Status X

"a)1500 V rms at 50 Hz to 60 Hz, applied as specified in Section 5.4.9.1 of IEC 62368-1:2018." is not matching the IEC 62368-1:2018 requirement. Section 5.4.9.1 of IEC 62368-1:2018 states basic insulation is subjected to Table 12 impulse values and the highest test voltage from Table 25, 26 or 27, impulse values which, for 230 V mains, IEC 62368-1 tests with a 2500 V peak AC or DC voltage. IEC 62368-1:2018 totally ignors the IEC 60664-1:2020, Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests, recommendation that an impulse voltage, not AC or DC voltages, is most appropriate test approach for coupled transients.

SuggestedRemedy

Change AC voltage to "AC 2500 V peak at 50 Hz to 60 Hz" to match IEC 62368-1

Proposed Response Status W

TFTD

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Comment ID I-16

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C/ 0 SC 0 P119 L19 # I-17

Maytum, Michael Retired, Retired/Unemployed

Comment Type T Comment Status X

"2250 V dc, applied as specified in Section 5.4.9.1 of IEC 62368-1:2018." is not matching the IEC 62368-1:2018 requirement. Section 5.4.9.1 of IEC 62368-1:2018 states basic insulation is subjected to Table 12 values and the highest test voltage from Table 25, 26 or 27, which for 230 V mains is 2.5 kV peak AC or DC voltage. IEC 62368-1:2018 totally ignors the IEC 60664-1:2020, Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests, recommendation that an impulse voltage, not AC or DC voltages, is most appropriate test approach for coupled transients.

SuggestedRemedy

Change DC voltage to "DC 2500 V" to match IEC 62368-1

Proposed Response Response Status W

TFTD

C/ 0 SC 0 P119 L20 # [-18

Maytum, Michael Retired, Retired, Unemployed

Comment Type TR Comment Status X

"A sequence of ten 2400 V impulses of alternating polarity". There are two problems with this voltage level:

2400 V is not a preferred IEC voltage level - see IEC 60664-1:2020, Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests, which uses 2500 V. IEC 62368-1:2018 also has a preferred value of 2500 V. 2500 V is used in ITU-T K.20, K,21 and K.45 for Ethernet port testing along with other regional standards such as ATIS 0600012.05:2017, Electrical Protection for Ethernet Systems.

SuggestedRemedy

Harmonize by changing to "A sequence of ten 2500 V impulses of alternating polarity"

Proposed Response Response Status W

TFTD

Cl **0** SC **0** P L # [-19

Maytum, Michael Retired, Retired, Unemployed

Comment Type TR Comment Status X

IEEE 802.3cg, 146.3.5 PCS Loopback, simply says "Additionally, the PHY receive circuitry shall be isolated from the network medium". For PoDL, IEEE Std 802.3-2018 has clause 104.6.1 Isolation. Clause states:

"In order to prevent the formation of a ground loop, a PD shall provide at least 1 M Ω DC isolation between all accessible external conductors, including frame ground (if any), and all MDI leads, when measured using at least a 5V source voltage. Any equipment that can be connected to a PD through a non-MDI connector that is not isolated from the MDI leads must provide isolation between all accessible external conductors, including frame ground (if any), and the non-MDI connector, so as not to negate the DC isolation provided by the PD."

For IEEE 802.3cg 10BASE-T1L can run up to 1 km and is highly likely to pick up transient voltages of many kV. Further the PSE may be earthed with powering voltages up to ±60 V. This makes the 5 V insulation resistance measurement inadequate and it is more appropriate to use the standard 2-pair and 4 pair isolation requirements.

SuggestedRemedy

For IEEE 802.3 clause 104.6.1 Isolation add.

"The electrical isolation of 10BASE-T1L PDs shall conform to J.1."

Proposed Response Response Status W

TFTD

C/ FM SC FM P11 L21 # [-20

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status A

Change to match update made to ch description for publication.

SuggestedRemedy

Change: Clause 149 and Annex 149A

To: Clause 149, Annex 149A

Response Response Status C

ACCEPT.

C/ FM SC FM P11 L19 # I-21 CI 8 P24 / 40 # I-24 SC 8.7.1 General Motors Company Wienckowski, Natalie General Motors Company Wienckowski, Natalie Comment Type E Comment Status A Comment Type E Comment Status A 802.3ch was approved by the standards board. 802.3-2018 has different text than that quoted in this draft. SugaestedRemedy SugaestedRemedy Change 20xx to 2020 Change: All Physical Layer MDI To: All stations Response Response Status C Response Response Status C ACCEPT. ACCEPT IN PRINCIPLE. C/ FM SC FM P11 L26 # 1-22 Change "All Physical Layer MDI meeting this standard ..." to Wienckowski, Natalie General Motors Company "<All stations><<All Physical Layer MDI>> meeting this standard ..." Where <All stations> is strikethrough text and <All Physical Laver MDI> is underlined Comment Type E Comment Status A 802.3ca was approved by the standards board. Cl 14 P30 SC 14.3.1.1 L10 # I-25 SuggestedRemedy Wienckowski, Natalie General Motors Company Change 20xx to 2020 Comment Type E Comment Status A Response Response Status C 802.3-2018 has different text than that quoted in this draft. It has the text as modified by 802.3bt. ACCEPT. SuggestedRemedy CI 1 SC 1.3 P23 L34 # I-23 Change editor's instruction to: Change text in 14.3.1.1 (as modified by IEEE Std 802.3bt-Wienckowski, Natalie General Motors Company 2018) as follows: Comment Type E Comment Status A Response Response Status C IEC 62368 is not found in IEEE802.3-2018. ACCEPT. SuggestedRemedy CI 27 SC 27.5.1 P37 L11 # I-26 Remove Subclause 1.3 and all content or change the editing instruction if an ammendment Wienckowski. Natalie General Motors Company to IEEE802.3-2018 added this reference. Comment Type E Comment Status A Response Response Status C A new note is being added. There is no existing note to change. ACCEPT IN PRINCIPLE. SuggestedRemedy Change: Replace "Change" with "Insert". Also, remove underlining as it is not needed as the only "Change the reference for IEC 62368-1 as follows:" text being shown is the text to insert. Change the reference for IEC 62368-1 (as inserted by IEEE Std 802.3cg-2019) as follows:" Response Response Status C ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Cl 33 SC 33.7.1 P39 L39 # I-27 C/ 38 SC 38.12.4.1 P43 / 13 # I-30 Wienckowski, Natalie General Motors Company Wienckowski, Natalie General Motors Company Comment Type E Comment Status A Comment Type E Comment Status A Not all new text is underlined. OR30 is in subclause 38.12.4.5. The title used in the draft is for 38.12.4.5. SuggestedRemedy SuggestedRemedy Underline "the general safety requirements as specified in J.2 or" Change 38.12.4.1 to 38.12.4.5. Response Response Response Status C Response Status C ACCEPT. ACCEPT IN PRINCIPLE. Change 38.12.4.1 to 38.12.4.5 in title and editors instruction. CI 33 SC 33.8.3.4 P40 L10 # I-28 Wienckowski, Natalie General Motors Company C/ 40 SC 40.12.7 P45 **L8** # I-31 Comment Type E Comment Status A Wienckowski, Natalie General Motors Company Editor's note needs to include instruction to renumber the remaining items in the table. Comment Type E Comment Status A SuggestedRemedy Editor's note needs to include instruction to renumber the remaining items in the table. Update editor's instruction to add "and renumber items EL6 through EL19 to EL3 through SuggestedRemedy EL13. Update editor's instruction to add "and renumber items PME6 through PME64 to PME3 Response Response Status C through PME61. ACCEPT. Response Response Status C ACCEPT. CI 38 P**42** SC 38.7.1 L12 # I-29 Wienckowski, Natalie General Motors Company Cl 55 SC 55.5.1 P52 L9 # I-32 Comment Type E Comment Status A Wienckowski, Natalie General Motors Company Not all new text is underlined. Comment Type E Comment Status A SuggestedRemedy Referenced ammendment should be in parenthesis. Underline "subject to this clause". SuggestedRemedy Response Response Status C Put this text in parenthesis: as modified by IEEE Std 802.3bt-2018. ACCEPT. Response Response Status C ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Cl 55 SC 55.9.1 P**52** # I-33 C/ 71 P61 L33 SC 71.9.1 / 11 # I-36 Wienckowski, Natalie General Motors Company Wienckowski, Natalie General Motors Company Comment Type E Comment Status A Comment Type T Comment Status D Not all new text is underlined. Add reference to J.1 as well since the original text included "including isolation requirements". SuggestedRemedy SuggestedRemedy Underline "to the general safety requirements as specified in" Add the following text after "conform to the": isolate requirements as specified in J.1 and Response Response Status C Add change PICS ES1 to match. ACCEPT. Proposed Response Response Status W PROPOSED ACCEPT. CI 55 SC 55.12.6 P53 L7 # 1-34 Wienckowski, Natalie General Motors Company CI 72 SC 72.9.1 P63 L11 # I-37 Comment Type E Comment Status A Wienckowski, Natalie General Motors Company Editor's note needs to include instruction to renumber the remaining items in the table. Comment Type T Comment Status D SuggestedRemedy Add reference to J.1 as well since the original text included "including isolation requirements". Add at the end of the editor's instruction "and renumber all of the items in the table accordingly. SuggestedRemedy Response Response Status C Add the following text after "conform to the": isolate requirements as specified in J.1 and Add change PICS ES1 to match. ACCEPT. Proposed Response Response Status W C/ 70 SC 70.9.1 P60 L11 # I-35 PROPOSED ACCEPT. Wienckowski. Natalie General Motors Company C/ 84 SC 84.10.1 P67 L11 # I-38 Comment Type T Comment Status D Add reference to J.1 as well since the original text included "including isolation Wienckowski. Natalie General Motors Company requirements". Comment Type T Comment Status D SuggestedRemedy Add reference to J.1 as well since the original text included "including isolation requirements". Add the following text after "conform to the": isolate requirements as specified in J.1 and Add change PICS ES1 to match. SuggestedRemedy Proposed Response Response Status W Add the following text after "conform to the": isolation requirements as specified in J.1 and Add change PICS ES1 to match. PROPOSED ACCEPT. Proposed Response Response Status W

PROPOSED ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

CI 93 SC 93.10.1 P77 L11 # [-39]
Wienckowski, Natalie General Motors Company

Comment Type T Comment Status D

Add reference to J.1 as well since the original text included "including isolation requirements".

SuggestedRemedy

Add the following text after "conform to the": isolation requirements as specified in J.1 and Add change PICS ES1 to match.

Proposed Response Status W

PROPOSED ACCEPT.

Cl 94 SC 94.5.1 P79 L11 # |-40

Wienckowski, Natalie General Motors Company

Comment Type T Comment Status D

Add reference to J.1 as well since the original text included "including isolation requirements".

SuggestedRemedy

Add the following text after "conform to the": isolation requirements as specified in J.1 and Add change PICS ES1 to match.

P122

L17

1-41

Proposed Response Status W
PROPOSED ACCEPT.

SC 83A.6.1

Wienckowski. Natalie General Motors Company

Comment Type T Comment Status D

Add reference to J.1 as well since the original text included "including isolation requirements".

SuggestedRemedy

C/ 83A

Add the following text after "conform to the": isolation requirements as specified in J.1 and Add change PICS ES1 to match.

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 83B SC 83B.4.1 P124

Wienckowski, Natalie General Motors Company

Comment Type T Comment Status D

Add reference to J.1 as well since the original text included "including isolation requirements".

SuggestedRemedy

Add the following text after "conform to the": isolation requirements as specified in J.1 and Add change PICS ES1 to match.

/ 17

I-42

Proposed Response Status W

PROPOSED ACCEPT.

C/ J1 SC J1 P119 L27 # [-43

Maytum, Michael Retired, Retired, Unemployed

Comment Type TR Comment Status X

How to handle voltage limiters has never been clearly defined, even back in the IEC 60950-1 days. Yet the approach is obvious to experienced engineers.

Many Ethernet port designs use a voltage limiting function (component) to prevent voltage transients (impulse) from causing the insulation breakdown. Technically the conduction of voltage limiting function is not insulation breakdown, but it will try to mitigate the specified AC, DC and impulse voltages appearing at the Ethernet port. IEC 62368-1 has two approaches when the external circuit port is fitted with voltage limiting. 5.4.9.1 Test procedure for type testing of solid insulation states "Components providing a DC path in parallel with the insulation to be tested, such as discharge resistors for filter capacitors and voltage limiting devices, may be disconnected." Please note "May" not "Shall". For impulse testing, the Table 28 notes explains some more " Surge suppressors may be removed, provided that such devices pass the impulse test of 5.4.10.2.2 when tested as components outside the equipment." and "During this test, it is allowed for a (fitted) surge suppressor to operate and for a sparkover to occur in a GDT."

For AC and DC testing no source impedance is specified (unlimited current) so voltage limiters must be removed to avoid destroying them. For impulse testing the voltage limiting function may be left in place as this is its intended purpose (mitigate transient voltages).

SuggestedRemedy

Add the following text

"Voltage limiters intended to prevent Ethernet port insulation breakdown shall be removed for AC and DC voltage testing if their limiting voltage is less than the specified AC or DC test voltages applied. For impulse testing, voltage limiters may be left in place to perform their intended function. If removed for impulse testing, the voltage limiter shall pass the impulse test when separately tested."

Proposed Response Response Status W

TFTD

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Comment ID 1-43

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C/ Annex J SC ex J P119 # I-44 CI 0 SC 0 P39 / 40 # I-47 L16 ADTRAN Inc. Wurth Elektronik eiSos Wiese, James Bustos Heredia, Jairo Comment Type T Comment Status X Comment Type E Comment Status D *** Comment submitted with the file The superscript to reference the foot note is missing. Another inconsistency has been IEEE_P802d3cr_Jim_Wiese_comment.pdf;IEEE_P802d3cr_Jim_Wiese_suggested_chang found on page 41 line 9. e.pdf attached *** SuggestedRemedy Insert superscript to have: "IEC 60950-1^1". Please see attached document <IEEE_P802d3cr_Jim_Wiese_comment.pdf> for rationale. Proposed Response Response Status W SuggestedRemedy Please see attached document <IEEE_P802d3cr_Jim_Wiese_suggested_change.pdf> for PROPOSED ACCEPT. suggested change. CI 0 SC 0 P22 L12 # I-48 Proposed Response Response Status W Bustos Heredia, Jairo Wurth Elektronik eiSos **TFTD** Comment Type E Comment Status D CI 0 SC 0 P22 L3 # I-45 "Electrical" is capitalized. The same occurrency on page 121 line 13. Bustos Heredia, Jairo Wurth Elektronik eiSos SuggestedRemedy Comment Type E Comment Status D Change "Electrical" with "electrical". Inconsistencies found throughout the draft when writing "Electrical isolation". Proposed Response Response Status W Inconsistencies have also been found in following pages and lines: Page 31 Line 7 (in PROPOSED ACCEPT. Table 14.10.4.5.11) Page 45 Line 14 (in Table 40.12.7) Page 119 Line 14 CI 0 SC 0 P39 L40 # 1-49 SuggestedRemedy Bustos Heredia, Jairo Wurth Elektronik eiSos Change "Electrical Isolation" with "Electrical isolation". Comment Type E Comment Status X Proposed Response Response Status W Reference to IEC 60950-1. Not sure why there are still some references to IEC 60950-1 in the standard. Another reference has been found on page 41 line 9 and line 12 (Table PROPOSED ACCEPT. 33.8.3.9), page 111 line 17, SuggestedRemedy CI 0 SC 0 P2 L**5** # I-46 Remove reference to IEC 60950-1. Bustos Heredia, Jairo Wurth Elektronik eiSos Proposed Response Comment Type E Comment Status D Response Status W **TFTD** The word "Isolation" is capitalized whereas the next word "safety" is not. SuggestedRemedy Change "Isolation" with "isolation".

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Proposed Response

PROPOSED ACCEPT.

Response Status W

Comment ID 1-49

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