

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

CI 00 SC 0 P 0 L 0 # 271

Dawe, Piers Nvidia
Comment Type E Comment Status D EZ

pdf metadata says:

Title: IEEE P802.3xx name of Task Force

Author: IEEE P802.3xx Task Force

Subject: IEEE P802.3xx amendment

Keywords: P802.3xx,

SuggestedRemedy

Correct the metadata

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change title to, "IEEE P802.3da 10 Mb/s Single Pair Multidrop Segments Enhancement Task Force"

Change Author to: "IEEE P802.3da Task Force"

Change Subject to: "IEEE P802.3da amendment"

Change keywords to: "P802.3da"

CI 00 SC FM P 1 L 34 # 184

Zimmerman, George CME Consulting/ADI,APLgp,Cisco,Marvell,Onsemi,Son
Comment Type E Comment Status D EZ

draft is for initial Working Group ballot - not Task Force review

SuggestedRemedy

Change "Task Force review" to "Recirculation Working Group Ballot" (which will be appropriate for 2.1)

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change "Task Force review" to "Working Group ballot recirculation"

CI 00 SC FM P 1 L 37 # 185

Zimmerman, George CME Consulting/ADI,APLgp,Cisco,Marvell,Onsemi,Son
Comment Type E Comment Status D EZ

change copyright variable & dates to 2025, editor should check globally

SuggestedRemedy

change copyright (variable and dates globally if hardcoded) to 2025.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 00 SC Keywords P 3 L 8 # 273

Dawe, Piers Nvidia
Comment Type E Comment Status D EZ

physical layer

SuggestedRemedy

Physical Layer

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 00 SC Photocopies P 6 L 23 # 274

Dawe, Piers Nvidia
Comment Type E Comment Status D EZ

A blue URL should be a link

SuggestedRemedy

Make it active. Get the template fixed if that is the issue.

Proposed Response Response Status W

PROPOSED REJECT.

The link is active. You must click on the link - hovering over it does not show a preview of the link address (e.g., IEEE Xplore on L39, P6) because the displayed text is the same as the link address. It works the same as the links in the footer (L53, P6 and L54, P6). No change needed.

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

Cl 00 SC Updating P 6 L 39 # 275

Dawe, Piers

Nvidia

Comment Type E Comment Status D EZ

The link behind "IEEE Xplore" is <https://ieeexplore.ieee.org/browse/standards/collection/ieee/> which is footnote 3.

The link behind "contact IEEE" is <https://standards.ieee.org/content/ieee-standards/en/about/contact/index.html> which is footnote 2.

SuggestedRemedy

Move the pointer for footnote 3 to immediately follow "IEEE Xplore".

A pointer for footnote 2 could immediately follow "contact IEEE".

Get the template fixed.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

(Editor's note: the link in footnote 3 is associated with 'IEEE Xplore', not 'contact IEEE'.)

Editor to consult with the owner (TBD) of the 802_3xx_D0p1_version_5p4 template and implement recommended remedy.

Cl 00 SC Patents P 7 L 9 # 276

Dawe, Piers

Nvidia

Comment Type E Comment Status X EZ

A blue URL should be a link

SuggestedRemedy

Make it active. Get the template fixed if that is the issue.

Proposed Response Response Status W

PROPOSED REJECT.

The link is active. You must click on the link - hovering over it does not show a preview of the link address (e.g., IEEE Xplore on L39, P6) because the displayed text is the same as the link address. It works the same as the link in the footer (L54, P7). No change needed.

Cl 00 SC 0 P 8 L # 115

Lusted, Kent

Independent

Comment Type E Comment Status D EZ

List of balloters is empty.

SuggestedRemedy

Add the list

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 00 SC Contents P 14 L 1 # 277

Dawe, Piers

Nvidia

Comment Type E Comment Status D EZ

Missing header

SuggestedRemedy

Include section header ("Contents")

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 00 SC Contents P 14 L 17 # 279

Dawe, Piers

Nvidia

Comment Type E Comment Status D EZ

5th level subclause numbers and titles are run together. Also 4th level in Clause 45

SuggestedRemedy

Set the tab stops to allow more space for the numbers

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Editor to replace current 8023xxTOC.fm file with 8023xxTOC.fm, version_5p4.

Cl 00 SC Contents P 14 L 27 # 278

Dawe, Piers

Nvidia

Comment Type E Comment Status D EZ

Some subclause numbers and titles are run together

SuggestedRemedy

Fix the formatting

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #279.

Editor to replace current 8023xxTOC.fm file with 8023xxTOC.fm, version_5p4.

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: Page, Line

Pa 14

Li 27

Page 2 of 18

1/2/2025 2:06:52 PM

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

Cl 00 SC Contents P 15 L 47 # 280

Dawe, Piers Nvidia

Comment Type E Comment Status D EZ

Page numbers for some clauses are joined to clause title rather than being on the left

SuggestedRemedy

Fix the formatting

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Editor to replace current 8023xxTOC.fm file with 8023xxTOC.fm, version_5p4 and confirm that page numbers are tabbed from clause headers.

Cl 1 SC 1.4 P 22 L 4 # 266

Wienckowski, Natalie IVN Solutions LLC

Comment Type E Comment Status D EZ

The subclause numbers in 1.4 don't match the numbers in 8023-2022, which is the most recent published version that all changes should apply to.

SuggestedRemedy

Correct both instructions and subclause numbers per the following:

change 1.4.63 to 1.4.59

change 1.4.427 to 1.4.405

change 1.4.433 to 1.4.411

change 1.4.582 to 1.4.558

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 1 SC 1.4.433 P 22 L 25 # 267

Wienckowski, Natalie IVN Solutions LLC

Comment Type E Comment Status D EZ

The term being defined is supposed to be in bold print.

SuggestedRemedy

BOLD "network interface device (NID)

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 30 SC 30.2.5 P 24 L 22 # 239

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

Table 30-11, left margin has double lines the first three entries

SuggestedRemedy

make them single lines like the rest of the table.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #191.

Change double horizontal lines in the first column to single lines ...

Cl 30 SC 30.2.5 P 24 L 22 # 191

Zimmerman, George CME Consulting/ADI,APLgp,Cisco,Marvell,Onsemi,Son

Comment Type E Comment Status D EZ

Why are there double horizontal lines in the first column above the first 3 table rows (these rows are together)

SuggestedRemedy

Change double horizontal lines in the first column to single lines ...

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 30 SC 30.16.1.1.13 P 27 L 16 # 124

Huber, Thomas Nokia

Comment Type E Comment Status D EZ

Since the enumerated values are TRUE and FALSE, why not make the syntax BOOLEAN?

SuggestedRemedy

Change Appropriate Syntax to BOOLEAN

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change Appropriate Syntax to BOOLEAN

(Editor's Note: The same error exists in the base standard's definition of a similar variable 30.16.1.1.2 aPLCAStatus. Commenter (or others) may wish to submit a maintenance request.)

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

Cl 30 SC 30.16.1.1.14 P 27 L 27 # 125

Huber, Thomas Nokia

Comment Type E Comment Status D EZ

Since the enumerated values are TRUE and FALSE, why not make the syntax BOOLEAN?

SuggestedRemedy

Change Appropriate Syntax to BOOLEAN

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 30 SC 30.17.1.1.3 P 28 L 52 # 53

Ran, Adeo Cisco

Comment Type E Comment Status D EZ

Missing space "in189.4.6"

SuggestedRemedy

Insert space

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #195.

Change cross-reference to 189.5.1 and put space prior to cross-reference.

Cl 30 SC 30.17.1.1.3 P 28 L 53 # 195

Zimmerman, George CME Consulting/ADI,APLgp,Cisco,Marvell,Onsemi,Son

Comment Type E Comment Status D EZ

189.4.6 is the wrong cross reference for MPD types. 189.5.1 lists MPD types

SuggestedRemedy

Change cross-reference to 189.5.1 and put space prior to cross-reference.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 30 SC 30.17.1.1.3 P 28 L 53 # 45

Jones, Peter Cisco Systems

Comment Type TR Comment Status D EZ

The reference for aMPSETypeDiscovery is wrong.

SuggestedRemedy

replace

"MPD(s) as specified in189.4.6.;"

with

"MPD(s) as specified in 189.3.;"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #195.

Change cross-reference to 189.5.1 and put space prior to cross-reference.

Cl 30 SC 30.17.1.1.4 P 29 L 8 # 3

Jones, Peter Cisco Systems

Comment Type E Comment Status D EZ

aMPSEPoweringCounter is described as

"This counter is incremented when the MPSE transitions to the POWER_ON state in from the MPI as specified in Figure 189-4.;"

"transitions to the POWER_ON state in from the MPI" doesn't make sense.

SuggestedRemedy

Fix description.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change:

"transitions to the POWER_ON state in from the MPI as specified in Figure 189-4.;"

to:

"transitions to the POWER_ON state as specified in Figure 189-4.;"

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

Cl 30 SC 30.17.1.1.4 P 29 L 8 # 240

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

"...to the POWER_ON state in from the MPI..." extra word "in" in the sentence.

SuggestedRemedy

Delete "in", making it "...to the POWER_ON state from the MPI..."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #3.

Change "transitions to the POWER_ON state in from the MPI as specified in Figure 189-4.,"
to "transitions to the POWER_ON state as specified in Figure 189-4.,"

Cl 30 SC 30.17.1.1.5 P 29 L 18 # 196

Zimmerman, George CME Consulting/ADI,APLgp,Cisco,Marvell,Onsemi,Son

Comment Type T Comment Status D EZ

189.4.9 is short circuit current, 189.4.8 is overload....

SuggestedRemedy

Change 189.4.9 cross-ref to point to 189.4.8

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 30 SC 30.17.1.1.6 P 29 L 28 # 197

Zimmerman, George CME Consulting/ADI,APLgp,Cisco,Marvell,Onsemi,Son

Comment Type T Comment Status D EZ

189.4.10 is the power removal section, 189.4.9 is short circuit

SuggestedRemedy

Change 189.4.10 cross-ref to point to 189.4.9

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 30 SC 30.17.1.1.8 P 29 L 48 # 54

Ran, Adeo Cisco

Comment Type T Comment Status D EZ

"the accuracy associated with aMPSEActualPower in \pm milliwatts" - it is unclear what ".in \pm milliwatts" means.

The suggested remedy is my interpretation.

Also applies in 30.17.2.1.9.

SuggestedRemedy

Change "in \pm milliwatts" to "in milliwatts (e.g., a value of 1 means \pm 1 mW).

Apply similar changes in 30.17.2.1.9.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #241

delete " \pm "

Cl 30 SC 30.17.1.1.8 P 29 L 48 # 241

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

"...aMPSEActualPower in \pm milliwatts.;" extraneous character in the text.

SuggestedRemedy

delete " \pm "

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Delete " \pm "

(Editor's note: Delete extra space. Consider comment #54 if " \pm " is not removed.)

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

Cl 30 SC 30.17.2.1.4 P 31 L 22 # 199

Zimmerman, George CME Consulting/ADI,APLgp,Cisco,Marvell,Onsemi,Son

Comment Type E Comment Status D EZ

DO_MARK1 is in Figure 189-6, not 189-8. (189-6 is part a of the state diagram and 189-8 is part c...)

SuggestedRemedy

Change cross-refernece to Figure 189-6

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 30 SC 30.17.2.1.9 P 32 L 19 # 243

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

"...aMPDActualPower in ± milliwatts.;" extraneous character in the text.

SuggestedRemedy

delete "±"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accomodated by comment #241.

Delete "± "

(Editor's note: Delete extra space. Consider comment #54 if "± " is not removed.)

Cl 45 SC 45.2.1.234 P 35 L 5 # 179

Maguire, Valerie Copperopolis; aff'l w/ CME Consulting and Cisco

Comment Type E Comment Status D EZ

This clause is an example where center justifying the paragraph causes non-uniform spacing for the phrase "10BASE-T1M / 10BASE-T1S"

SuggestedRemedy

Globally insert non-breaking spaces between "10BASE-T1M" and the "/" and between the "/" and "10BASE-T1S".

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.1.236 P 37 L 22 # 56

Ran, Adeee Cisco

Comment Type E Comment Status D EZ

Missing dash in "10BASET1S"

SuggestedRemedy

Insert a dash

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.1.236 P 37 L 29 # 57

Ran, Adeee Cisco

Comment Type E Comment Status D EZ

Missing 10 in "BASE-T1S"

SuggestedRemedy

Insert "10"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.3 P 37 L 44 # 126

Huber, Thomas Nokia

Comment Type E Comment Status D EZ

In all the changed register names, 10BASE=T1S should be 10BASE-T1S, and there should be a space after the /

SuggestedRemedy

Add a space after the / and change = to - (in all 4 rows)

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

(Editor's note - make the space non-breaking if comment #179 is accepted).

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

CI 45 SC 45.2.3 P 37 L 48 # 58

Ran, Adeel Cisco
 Comment Type E Comment Status D EZ
 "=" should be "-", multiple instances in Table 45-233

SuggestedRemedy
 Change per comment

Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #126.

Add a space after the / and change = to - (in all 4 rows)

CI 45 SC 45.3.72.3 P 39 L 5 # 259

Wienckowski, Natalie IVN Solutions LLC
 Comment Type E Comment Status D EZ
 extra space

SuggestedRemedy
 change: 10BASE- T1M PCS
 to: 10BASE-T1M PCS

Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #127.

Delete the space after the hyphen

CI 45 SC 45.2.3.72.3 P 39 L 5 # 127

Huber, Thomas Nokia
 Comment Type E Comment Status D EZ
 Stray space in 10BASE- T1M

SuggestedRemedy
 Delete the space after the hyphen

Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 79 SC 79.3.9.3 P 41 L 6 # 284

Dawe, Piers Nvidia
 Comment Type E Comment Status D EZ
 Uneven font size

SuggestedRemedy
 Remove formatting overrides

Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 00 SC 0 P 42 L 6 # 203

Zimmerman, George CME Consulting/ADI,APLgp,Cisco,Marvell,Onsemi,Son
 Comment Type E Comment Status D EZ
 Font size is larger in the Length and Format columns than others. This is not consistent with other clause 79 tables.

SuggestedRemedy
 Change font size of the contents of the Length and Format Columns to be consistent with the rest of the table.

Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 79 SC 79.5.13 P 43 L 30 # 20

Jones, Peter Cisco Systems
 Comment Type TR Comment Status D EZ
 The "Value/Comment" item for PLC3 in the PLCA TLV table (below) doesn't match many similar descriptions and doesn't make sense.
 "PLCA support/status TLV should contain no more than one PLCA TLV"

SuggestedRemedy
 replace
 "PLCA support/status TLV should contain no more than one PLCA TLV"
 with
 "LLDPDU contains no more than one"

Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #129.

Change the comment to "LLDPDU should contain no more than one PLCA TLV".

Editors given license to make appropriate PICS changes.

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

Cl 148 SC 148.4.4.2 P 46 L 29 # 205

Zimmerman, George CME Consulting/ADI,APLgp,Cisco,Marvell,Onsemi,Son

Comment Type E Comment Status D EZ

"Values:TRUE" lacks a space after the colon. This lack of space between the value and the description appears for every variable in 148.4.4.2, except dplca_txop_claim.

SuggestedRemedy

insert space after colon at P46 L29, L33, L48, L52, and P47 L3.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 148 SC 148.4.7 P 53 L 3 # 290

Dawe, Piers Nvidia

Comment Type E Comment Status D EZ

Dynamic (D-PLCA) - ungrammatical

SuggestedRemedy

Change to: Dynamic PLCA (D-PLCA)

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 188 SC 188 P 60 L 1 # 177

Maguire, Valerie Copperopolis; aff'l w/ CME Consulting and Cisco

Comment Type E Comment Status D EZ

and' seems like a better word choice than 'to' here.

SuggestedRemedy

Replace "Insert Clause 188 to Clause 189 in numeric order:" with "Insert Clause 188 and Clause 189 in numeric order:"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 188 SC 188.2 P 62 L 11 # 209

Zimmerman, George CME Consulting/ADI,APLgp,Cisco,Marvell,Onsemi,Son

Comment Type E Comment Status D EZ

"two level Differential Manchester Encoding" should have "two level" hyphenated, as it is a compound adjective.

SuggestedRemedy

Change two level to two-level

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 188 SC 188.4.2.2 P 67 L 11 # 23

Jones, Peter Cisco Systems

Comment Type TR Comment Status D EZ

link_control is only used by AutoNeg which is not supported by T1M.

SuggestedRemedy

Remove the definition of link_control.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #160.

P66 L2 - Delete from Figure 188-3 the Technology Dependent Interface and link_control lines to PCS TRANSMIT and PCS RECEIVE boxes.

P67 L10 - Delete the link_control variable entry (lines 10-15)

P71 L4 - Figure 188-4 - Change the transition logic into the SILENT state from:

pcs_reset + (link_control = DISABLE)

to:

pcs_reset

P73 L51 - Delete the link_control variable entry (lines 51-53)

P76 L3 - Figure 188-7 - Change the transition logic into the WAIT_SYNC state from:

pcs_reset + (transmitting) + (link_control = DISABLE)

to:

pcs_reset + (transmitting)

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

Cl 188 SC 188.4.2.7 P71 L15 # 250

Opsasnick, Eugene Broadcom Inc.

Comment Type TR Comment Status D EZ

In Figure 188-4, the transition condition for the state SILENT to go back to itself contains an assignment which is not appropriate for a state transition condition. It also has an unblanced parenthesis. The condition is "STD * (!TX_EN) * (tx_sym <= TXCMD_ENCODE(tx_cmd))".

SuggestedRemedy

This state transition should probably be "STD * (!TX_EN) * (tx_cmd != COMMIT)".

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #164.

In the transition condition from SILENT to SILENT, change the last term from:

(tx_sym <= TXCMD_ENCODE(tx_cmd))

to:

(tx_cmd != COMMIT)

Cl 188 SC 188.4.2.8 P72 L41 # 1

He, Xiang Huawei Technologies

Comment Type E Comment Status D EZ

The term "self-synchronizing scrambler" has been used all over this subclause and is the preferred term in 802.3. "multiplicative scrambling" is used in the first sentence.

SuggestedRemedy

Change "multiplicative" to "self-synchronizing".

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 188 SC 188.4.3.7 P76 L4 # 255

Opsasnick, Eugene Broadcom Inc.

Comment Type E Comment Status D EZ

The condition to enter the WAIT_SYNC state in Figure 188-7 has an extra space between "transmitting" and the end parenthesis.

SuggestedRemedy

Replace "(transmitting)" with "(transmitting)"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 188 SC 188.4.3.7 P76 L9 # 161

Baggett, Tim Microchip

Comment Type E Comment Status D EZ

Judging from P74 L30 (188.4.3.2) we want to change the constant from fc_supported (in CL147) to FC_SUPPORTED. If so, this change needs to be made throughout the draft.

SuggestedRemedy

Change fc_supported to FC_SUPPORTED in Figure 188-7 on page 76 in the following places:

L9 from SYNCING to WAIT_SYNC

L24 from SYNCING to BAD_SSD

L35 from COMMIT to WAIT_SYNC

L35 from WAIT_SSD to WAIT_SYNC

L38 from WAIT_SSD to BAD_SSD

L41 from COMMIT to BAD_SSD

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 188 SC 188.4.3.7 P76 L9 # 133

Huber, Thomas Nokia

Comment Type E Comment Status D EZ

Inconsistent nomenclature between figure 188-7, where "fc_supported" is used, and 188.4.3.3, where the constant FC_SUPPORTED is defined.

SuggestedRemedy

Modify figure 188-7 to align with the name of the constant as specified in 188.4.3.3.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #161.

Change fc_supported to FC_SUPPORTED in Figure 188-7 on page 76 in the following places:

L9 from SYNCING to WAIT_SYNC

L24 from SYNCING to BAD_SSD

L35 from COMMIT to WAIT_SYNC

L35 from WAIT_SSD to WAIT_SYNC

L38 from WAIT_SSD to BAD_SSD

L41 from COMMIT to BAD_SSD

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

CI 188 SC 188.4.3.7 P 76 L 10 # 252

Opsasnick, Eugene Broadcom Inc.

Comment Type E Comment Status D EZ

In Figure 188-7 "fc_supported" is a constant as defined in 184.3.3 and should be capitalized.

SuggestedRemedy

Replace "fc_supported" with "FC_SUPPORTED" in several places in Figure 188-7.
Alternatively, define fc_supported as a variable, and move its definition from 188.4.3.3 to 188.4.3.2.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #161

Change fc_supported to FC_SUPPORTED in Figure 188-7 on page 76 in the following places:

L9 from SYNCING to WAIT_SYNC
L24 from SYNCING to BAD_SSD
L35 from COMMIT to WAIT_SYNC
L35 from WAIT_SSD to WAIT_SYNC
L38 from WAIT_SSD to BAD_SSD
L41 from COMMIT to BAD_SSD

CI 188 SC 188.4.3.7 P 76 L 26 # 132

Huber, Thomas Nokia

Comment Type E Comment Status D EZ

There is no off-page reference C in either figure 188-7 or 188-8, but there are references A, B, and D.

SuggestedRemedy

Change reference D in both figures to C.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 188 SC 188.10.3 P 93 L 34 # 2

Nikolich, Paul Self

Comment Type E Comment Status D EZ

The abbreviation "DC" when used to mean "direct current" should be capitalized everywhere in the document. 4 instances are capitalized (see Table 189-5, page 114), 20 instances are not.

SuggestedRemedy

Please change multiple instances of "dc" to "DC" throughout the document

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.1.3.3 P 103 L 19 # 215

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

Why is Figure 189-1 here? It should follow 189.1.2 where it is referenced.

SuggestedRemedy

Move Figure 189-1 to follow 189.1.2

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.1.3.3 P 103 L 19 # 137

Huber, Thomas Nokia

Comment Type E Comment Status D EZ

Figure 189-1 is about the content of clause 189.2, but appears before that clause.

SuggestedRemedy

Change the anchor point for the figure to be below the heading for 189.2

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by #215.

Move Figure 189-1 to follow 189.1.2

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

CI 189 SC 189.2 P 103 L 40 # 30

Jones, Peter Cisco Systems

Comment Type ER Comment Status D EZ

The last sentence of the first para says "The dc loop resistance of the cable..."
DC should be capitalized.

SuggestedRemedy

Replace
"The dc loop resistance of the cable..."
with
"The DC loop resistance of the cable..."
and check for other instances.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #2.

Please change multiple instances of "dc" to "DC" throughout the document

CI 189 SC 189.2 P 103 L 44 # 138

Huber, Thomas Nokia

Comment Type E Comment Status D EZ

Stray space between the m and omega at the end of the sentence

SuggestedRemedy

Delete the extra space.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.3 P 104 L 9 # 94

Ran, Adee Cisco

Comment Type E Comment Status D EZ

Per the style manual, a space should separate the value and the unit.

SuggestedRemedy

Change 1W to 1 W (or 1 Watt). Similarly for 2W.
Change elsewhere if necessary.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

L9, P 104 and L44, P124

Replace "1W" with "1 W"

L10, P 104 and L45, P124

Replace "2W" with "2 W"

CI 189 SC 189.4.4.5 P 111 L 32 # 218

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

off page marker "A" not attached to the arrowhead.

SuggestedRemedy

attach the marker "A" to the arrowhead.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.4.5 P 112 L 19 # 212

Zimmerman, George CME Consulting/ADI,APLgp,Cisco,Marvell,Onsemi,Son

Comment Type E Comment Status D EZ

State names shouldn't be hyphenated if it can be avoided.

SuggestedRemedy

Editor to invoke suppress hyphyation in lines 18 through 25.

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

CI 189 SC 189.4.6 P 114 L 8 # 183

Maguire, Valerie Copperopolis; aff'l w/ CME Consulting and Cisco

Comment Type E Comment Status D EZ

Remove empty table columns.

SuggestedRemedy

Delete column "Additional Information" in Table 189-5 and Table 189-10

Proposed Response Response Status W

PROPOSED REJECT.

Comments #220 and #232 add content to the Additional Information column.

CI 189 SC 189.4.6 P 114 L 12 # 141

Huber, Thomas Nokia

Comment Type E Comment Status D EZ

In table 189-5, the table cells in the Unit column for Item 1 should be merged, since the unit for both of the subsequent rows is V

SuggestedRemedy

Merge the table cells

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.4.10.1 P 115 L 30 # 222

Jones, Chad Cisco Systems, Inc.

Comment Type ER Comment Status D EZ

"...ERROR_DELAY state in Table 189-4." This should be Figure, not Table.

SuggestedRemedy

Change to: "ERROR_DELAY state in Figure 189-4."

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.5.1 P 115 L 50 # 223

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

Need to point the reader to figures to help them understand what was just stated.

SuggestedRemedy

Add: "See Figure 189-1 and Figure 189-5." to the end of the paragraph.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.5.2 P 116 L 40 # 96

Ran, Adeo Cisco

Comment Type TR Comment Status D EZ

"MPSD" in the figure is not defined. I assume it is "MPD", but if not, some other change needs to be made.

SuggestedRemedy

Change to "MPD".

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.5.2 P 116 L 40 # 173

Baggett, Tim Microchip

Comment Type E Comment Status D EZ

MPSD DTE box in Figure 189-5 appears mislabeled. Should be MPD DTE.

SuggestedRemedy

Change the text in the box labeled "MPSD DTE" in figure 189-5 to "MPD DTE"

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

CI 189 SC 189.5.2 P 116 L 41 # 37

Jones, Peter Cisco Systems

Comment Type ER Comment Status D EZ

Type in Figure 189–5, it says "MPSD" where it should say "MPD".

SuggestedRemedy

Replace
"MPSD"
With
"MPD"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.5.3.2 P 117 L 10 # 174

Baggett, Tim Microchip

Comment Type E Comment Status D EZ

Definition of VReset_MPD_max refers to wrong voltage symbol in Table 189-7

SuggestedRemedy

<x> denotes subscript 'x'
Change: V<Reset_MPD>
To: V<MPD_reset>
See P122 L23

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.5.3.3 P 117 L 42 # 38

Jones, Peter Cisco Systems

Comment Type E Comment Status D EZ

the indentation for the values of 'present_sig' is not quite right

SuggestedRemedy

Fix indentation.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Align indentation of tabbed descriptions (e.g., between "MARK:" and "The MPD") on Lines 42 - 44, and 52-54 with 36-39, breaking lines where necessary.

CI 189 SC 189.5.3.3 P 118 L 5 # 175

Maguire, Valerie Copperopolis; aff'l w/ CME Consulting and Cisco

Comment Type E Comment Status D EZ

"Transmit Power Signature TPS" is redundant

SuggestedRemedy

Replace "Transmit Power Signature TPS" with "TPS"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.5.3.5 P 121 L 22 # 225

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

arrowhead enters into the box for PON_LOAD_ON.

SuggestedRemedy

fix arrowhead to just touch the edge.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.5.4 P 122 L 19 # 97

Ran, Adeo Cisco

Comment Type E Comment Status D EZ

Some current values are expressed in mA while others are in uA. This is contrary to the style manual (16.3.1: "The same units of measure shall be used throughout each column"). Using mA always would still yield easily readable values.

SuggestedRemedy

Change the rows that use uA units to mA (200 uA ==> 0.2 mA).
Change elsewhere if necessary.

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

CI 189 SC 189.5.4 P 122 L 30 # 98

Ran, Adeel Cisco

Comment Type E Comment Status D EZ

Per the style manual, a space should separate the value and the unit.

SuggestedRemedy

Change "2.7V to 19.1V" to "2.7 V to 19.1 V"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #226.

Delete "Additional Information Column"

Add Footnote to item 9 (input capacitance) attached to "Parameter" - "(1) Capacitance when voltages from 2.7 V to 19.1 V are presented at the MPI".

(Editor's note: it's assumed that these are the voltage ranges consistent with Discovery voltages before MPSE powering voltage is applied.)

CI 189 SC 189.5.4 P 122 L 39 # 227

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

Two discovery symbols on this line that don't have the proper subscript: IMPD_discover and IMPD_mark.

SuggestedRemedy

Change them to match Item 4 and 5 in Table 189-7.

I{IMPD_discover} and {IMPD_mark}.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.5.4 P 122 L 40 # 228

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

"During event 3, Type 0 MPDs respond and Type 1 and Type mixed MPDs do not. During event 4, Type 1 MPDs respond and Type 0 and Type mixed MPDs do not. During event 5, Type mixed MPDs respond and Type 0 and Type 1 MPDs do not." X respond and Y do not. I don't like the "and" and would prefer it replaced with "while".

SuggestedRemedy

Replace "and" with "while" in 3 spots"

"During event 3, Type 0 MPDs respond and Type 1 while Type mixed MPDs do not. During event 4, Type 1 MPDs respond and Type 0 while Type mixed MPDs do not. During event 5, Type mixed MPDs respond while Type 0 and Type 1 MPDs do not."

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.5.5 P 123 L 41 # 99

Ran, Adeel Cisco

Comment Type E Comment Status D EZ

Per the style manual, multiplication should be denoted by the sign ×. An asterisk should not be used.

SuggestedRemedy

Change per comment.

Change elsewhere if necessary.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Editor to replace "*" with "x" in Item 4 and P124, L51

CI 189 SC 189.5.5.3 P 124 L 6 # 176

Maguire, Valerie Copperopolis; aff'l w/ CME Consulting and Cisco

Comment Type E Comment Status D EZ

"transmit power signature (TPS)" is redundant

SuggestedRemedy

Replace, "transmit power signature (TPS)" with "TPS" in the first sentence of the clause.

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

CI 189 SC 189.5.5.2 P 124 L 44 # 101

Ran, Adee Cisco

Comment Type E Comment Status D EZ

Per the style manual, a space should separate the value and the unit.

SuggestedRemedy

Change 1W to 1 W (or 1 Watt). Similarly for 2W.
Change elsewhere if necessary.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Globally change "1W" to "1 W"

Globally change "2W" to "2 W"

Editorial license to find and correct other occurrences of missing spaces between the value and the unit.

(Editor's note: Changes to this clause accommodated by comment #39.)

CI 189 SC 189.5.5.2 P 124 L 52 # 102

Ran, Adee Cisco

Comment Type E Comment Status D EZ

Per the style manual, multiplication should be denoted by the sign ×. An asterisk should not be used.

SuggestedRemedy

Change per comment.
Change elsewhere if necessary.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #99.

Editor to replace "*" with "x" in Item 4 and P124, L51

CI 189 SC 189.5.5.3 P 125 L 17 # 232

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

There is no additional information to add to Table 189-10.

SuggestedRemedy

Delete the additional information column of Table 189-10.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.6.1.1 P 125 L 47 # 40

Jones, Peter Cisco Systems

Comment Type ER Comment Status D EZ

Using "a LAN" or "a LAN or LAN segment" is more complicated than it needs to be. Just say "a mixing segment".

SuggestedRemedy

in MPoE Environment A/B/C, replace
""a LAN" or "a LAN or LAN segment" "
With
"a mixing segment"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.6.1.1.1 P 126 L 15 # 41

Jones, Peter Cisco Systems

Comment Type ER Comment Status D EZ

In "189.6.1.1.1 MPoE Environment A requirements", the text includes "isolation requirements of the MAU or PHY" and "isolation requirement of the MAU/PHY"
T1M doesn't include an MAU.

SuggestedRemedy

in MPoE Environment A/B/C, replace
" the MAU or PHY" or "the MAU/PHY"
With
"the PHY"

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

Cl 189 SC 189.7.2 P 127 L 34 # 104

Ran, Adeel Cisco

Comment Type E Comment Status D EZ

The list has both dashes and letters.
Letters don't contribute here.

SuggestedRemedy

Delete the letters.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 189 SC 189.7.2 P 127 L 41 # 143

Cox, Ian Broadcom

Comment Type E Comment Status D EZ

Installati looks like it should be Installation

SuggestedRemedy

change installatio to installation

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #105.

Replace paragraph on L40-44, P127 with:

"Such electrical safety hazards should be avoided or appropriately protected for proper network installation and performance. In addition to provisions for proper handling of these conditions in an operational system, special measures should be taken to verify that safety features are not negated during installation of a new network or during modification of an existing network."

Cl 189 SC 189.7.2 P 127 L 41 # 233

Jones, Chad Cisco Systems, Inc.

Comment Type ER Comment Status D EZ

incomplete word: installati

SuggestedRemedy

change to installation

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #105.

Replace paragraph on L40-44, P127 with:

"Such electrical safety hazards should be avoided or appropriately protected for proper network installation and performance. In addition to provisions for proper handling of these conditions in an operational system, special measures should be taken to verify that safety features are not negated during installation of a new network or during modification of an existing network."

Cl 189 SC 189.7.2 P 127 L 42 # 234

Jones, Chad Cisco Systems, Inc.

Comment Type ER Comment Status X EZ

extra and/or missing word(s): "...are not negated during installation on and performance..."
not 100% sure what we are trying to say so I'm gonna guess in my proposed remedy.

SuggestedRemedy

change to: "...are not negated during installation or on performance..."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #105.

Replace paragraph on L40-44, P127 with:

"Such electrical safety hazards should be avoided or appropriately protected for proper network installation and performance. In addition to provisions for proper handling of these conditions in an operational system, special measures should be taken to verify that safety features are not negated during installation of a new network or during modification of an existing network."

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

CI 189 SC 189.7.2 P 127 L 42 # 105

Ran, Adeo Cisco

Comment Type E Comment Status D EZ

"Installati" on the second line and "on" on the third line indicate an interesting clerical error.

The whole paragraph seems to be garbled in comparison to the similar text in the base standard, e.g. in 145.6.2:

"Such electrical safety hazards should be avoided or appropriately protected against for proper network installation and performance. In addition to provisions for proper handling of these conditions in an operational system, special measures should be taken to verify that the intended safety features are not negated during installation of a new network or during modification of an existing network."

SuggestedRemedy

Correct the text to what it should be, with editorial license.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Replace paragraph on L40-44, P127 with:

"Such electrical safety hazards should be avoided or appropriately protected for proper network installation and performance. In addition to provisions for proper handling of these conditions in an operational system, special measures should be taken to verify that safety features are not negated during installation of a new network or during modification of an existing network."

CI 189 SC 189.7.2 P 127 L 44 # 144

Cox, Ian Broadcom

Comment Type E Comment Status X EZ

Words joined together systemof

SuggestedRemedy

change systemof to system of

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #105.

Replace paragraph on L40-44, P127 with:

"Such electrical safety hazards should be avoided or appropriately protected for proper network installation and performance. In addition to provisions for proper handling of these conditions in an operational system, special measures should be taken to verify that safety features are not negated during installation of a new network or during modification of an existing network."

CI 189 SC 189.7.2 P 127 L 44 # 235

Jones, Chad Cisco Systems, Inc.

Comment Type ER Comment Status X EZ

last sentence of this paragraph isn't complete and "systemof" needs a space. "In addition to provisions for proper handling of these conditions in an operational systemof a new network or during modification of an existing network." again, not 100% sure what we are trying to say, but I'll guess.

SuggestedRemedy

change to: "In addition, provisions should be take for proper handling of these conditions in an operational system of a new network or during modification of an existing network."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #105.

Replace paragraph on L40-44, P127 with:

"Such electrical safety hazards should be avoided or appropriately protected for proper network installation and performance. In addition to provisions for proper handling of these conditions in an operational system, special measures should be taken to verify that safety features are not negated during installation of a new network or during modification of an existing network."

CI 189 SC 189.7.3 P 128 L 1 # 236

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

"... and electrically secure in a..." "secure" needs to be "secured"

SuggestedRemedy

change to "secured"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 189 SC 189.7.3 P 128 L 2 # 237

Jones, Chad Cisco Systems, Inc.

Comment Type E Comment Status D EZ

missing a word: "...should be routed in way to provide..."

SuggestedRemedy

change to "...should be routed in a way to provide..."

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3da D2.0 10 Mbps Multidrop Enhancements

Cl **189** SC **189.7.8** P **129** L **5** # **106**

Ran, Adee

Cisco

Comment Type **E** Comment Status **D** EZ

The items in the list do not seem to have a logical order. For example I would expect item c to be the last one.

This is a lettered list, which seem to indicate the order is important.

SuggestedRemedy

Reorder the list based on importance of the information (Suggestion: using the current letters - b, d, g, f, a, e, c).

Consider making it a dashed list.

Proposed Response Response Status **W**

PROPOSED ACCEPT IN PRINCIPLE.

Re-order the list as propose in the Remedy, but leave the list lettered.

(Editor's note: this follows style of clause 33)

Cl **189** SC **189.8.4.3** P **133** L **17** # **112**

Ran, Adee

Cisco

Comment Type **ER** Comment Status **D** EZ

Typo "wiht"

SuggestedRemedy

change to "with"

Proposed Response Response Status **W**

PROPOSED ACCEPT.