

02.3cu D2.0 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Initial Working Group ballot cc

CI **FM** SC **FM** P1 L30 # 43
 Marris, Arthur Cadence Design Systems
 Comment Type **E** Comment Status **D** bucket
 IEEE Std 802.3cm-2020 and 802.3cq-2002 have now been approved
 SuggestedRemedy
 Change 802.3cm-20XX to 802.3cm-2020 and 802.3cq-20XX to 802.3cq-2020 throughout the draft
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

CI **00** SC **0** P12 L1 # 49
 Maguire, Valerie The Siemon Company
 Comment Type **E** Comment Status **D** bucket
 802.3cg has published.
 SuggestedRemedy
 Replace, "802.3cg-20xx" with, "802.3cg-2019"
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

CI **FM** SC **FM** P12 L1 # 44
 Marris, Arthur Cadence Design Systems
 Comment Type **E** Comment Status **D** bucket
 IEEE Std 802.3cg-2019 has been approved
 SuggestedRemedy
 Change 802.3cg-20XX to 802.3cg-2019 throughout the draft
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

CI **FM** SC **FM** P12 L1 # 2
 Wienckowski, Natalie General Motors
 Comment Type **E** Comment Status **D** bucket
 802.3cg was approved in 2019
 SuggestedRemedy
 Change 20xx to 2019
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

CI **00** SC **0** P12 L1 # 10
 Lewis, Jon Dell EMC
 Comment Type **E** Comment Status **D** bucket
 IEEE Std 802.3cg-20xx should be 2019.
 SuggestedRemedy
 Change 20xx to 2019
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

CI **FM** SC **FM** P12 L13 # 99
 Dudek, Mike Marvell.
 Comment Type **E** Comment Status **D** bucket
 802.3cm project is complete
 SuggestedRemedy
 Change 20xx to the appropriate date.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

CI **1** SC **1** P17 L16 # 1
 Wienckowski, Natalie General Motors
 Comment Type **E** Comment Status **D** bucket
 The "important Notice" is no longer required according to IEEE.
 SuggestedRemedy
 Delete lines 16 through 26: IMPORTANT NOTICE: IEEE Standards documents are not intended to ensure safety, health, or environmental protection, or ensure against interference with or from other devices or networks. Implementers of IEEE Standards documents are responsible for determining and complying with all appropriate safety, security, environmental, health, and interference protection practices and all applicable laws and regulations.
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 They can also be obtained on request from IEEE or viewed at <http://standards.ieee.org/IPR/disclaimers.html>
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

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CI 45 SC 45.2.1.7.4 P20 L51 # 3 [redacted]
 Wienckowski, Natalie General Motors
 Comment Type E Comment Status D bucket
 Because you are showing a new row in the same table you are changing a row in, the text in the new row should be underlined to clearly show that this is new.
 SuggestedRemedy
 Underline all text in the last row of the table, including the cross-reference.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 45 SC 45.2.1.7.5 P21 L15 # 4 [redacted]
 Wienckowski, Natalie General Motors
 Comment Type E Comment Status D bucket
 Because you are showing a new row in the same table you are changing a row in, the text in the new row should be underlined to clearly show that this is new.
 SuggestedRemedy
 Underline all text in the last row of the table, including the cross-reference.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 45 SC 45.2.1.8 P21 L34 # 5 [redacted]
 Wienckowski, Natalie General Motors
 Comment Type E Comment Status D bucket
 Because you are showing a new row in the same table you are changing a row in, the text in the new row should be underlined to clearly show that this is new.
 SuggestedRemedy
 Underline all text in the last row of the table, including the cross-reference.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 116 SC 116.1.4 P33 L10 # 7 [redacted]
 Wienckowski, Natalie General Motors
 Comment Type E Comment Status D bucket
 Straddle the two Clause 151 labels to be in a single cell as is done for 117. (This should be done for 122 as well.)
 SuggestedRemedy
 Make the change defined in the comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 116 SC 116.1.4 P33 L28 # 26 [redacted]
 Brown, Matt Huawei Technologies Canada
 Comment Type E Comment Status D bucket
 The "O" and "M" for new rows must be underline.
 SuggestedRemedy
 Underline all text in new rows for 400GBASE-FR4 and 400GBASE-LR4-6.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 116 SC 116.1.4 P33 L28 # 45 [redacted]
 Marris, Arthur Cadence Design Systems
 Comment Type E Comment Status D bucket
 There needs to be more underlining in Table 116-4
 SuggestedRemedy
 Underline the table entries for the new PMDs in Table 116-4
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 116 SC 116.1.4 P33 L28 # 6 [redacted]
 Wienckowski, Natalie General Motors
 Comment Type E Comment Status D bucket
 All M's and O's in the 400GBASE-FR4 and 400GBASE-LR4-6 rows should be underlined as these are added text.
 SuggestedRemedy
 Add underlined as defined in the comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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CI 140 SC 140 P36 L7 # 27
 Brown, Matt Huawei Technologies Canada
 Comment Type E Comment Status D Bucket
 This is not an editing instruction, but this information is normally part of an editing instruction.
 SuggestedRemedy
 Delete "Clause 140 was added to IEEE Std 802.3-2018 by IEEE Std 803.3cd-2018".
 Change instruction at top of page to: "Change the title of Clause 140 (as inserted by IEEE Std 802.3cd-2018) as follows".
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 140 SC 140.1 P36 L15 # 28
 Brown, Matt Huawei Technologies Canada
 Comment Type E Comment Status D Bucket
 The word "three" here is not necessary. For future amendments, let's avoid unnecessary words that might have to be revised in the future.
 SuggestedRemedy
 Delete "three".
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 140 SC 140.1 P37 L1 # 117
 Zimmerman, George CME Cons./ADI, Cisco, Commscope, Marvell, SenTe
 Comment Type E Comment Status D Bucket
 If it is only the title and header of Table 140-1, say that and don't show all the rows. (usual is "unchanged rows not shown")
 SuggestedRemedy
 Change editing instruction to "Change Title and second column header of Table 140-1 as shown (unchanged rows not shown)"
 Delete unchanged rows beginning at first body row.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 140 SC 140.6.2 P42 L11 # 11
 Lewis, Jon Dell EMC
 Comment Type E Comment Status D Bucket
 "defined in Table 140-7 per the definitions in 140.7." This just reads oddly given that the Table number and the subsequent clause are the same (140-7 and 140.7). It took me a moment to realize that the definitions weren't in the Table but in the clause 140.7.
 SuggestedRemedy
 Change "defined in Table 140-7 per the definitions in 140.7." to "defined in Table 140-7 per the definitions in clause 140.7."
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.

Change
 "defined in Table 140-7 per the definitions in 140.7."
 to
 "in Table 140-7 per the definitions in clause 140.7."

CI 140 SC 140.6.2 P43 L12 # 35
 Trowbridge, Steve Nokia
 Comment Type ER Comment Status D Bucket
 Since this is a single-lane interface, there is only one wavelength
 SuggestedRemedy
 Change "Wavelengths (range) to "Wavelength (range)"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 140 SC 140.6.3 P44 L16 # 55
 Maniloff, Eric Ciena
 Comment Type E Comment Status D Bucket
 Channel Insertion loss for 100GBASE-DR is referencing the incorrect sub-clause. The loss for this is in 140.9. Note that 802.3ct had the correct sub-clause referenced for the channel loss for 100GBASE-DR.
 SuggestedRemedy
 Change reference for 100GBASE-DR channel insertion loss to 140.9
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 00 SC 0 P44 L18 # 100
 Dudek, Mike Marvell.
 Comment Type E Comment Status D bucket
 Incorrect reference in table 140-8
 SuggestedRemedy
 Change the maximum discrete reflectance from "see 140.10.3" to "see 140.10.2.2"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 140 SC 140.10.2.2 P49 L45 # 46
 Slavick, Jeff Broadcom
 Comment Type E Comment Status D Bucket
 Editors direction for modifying the sub-clause is not proper font
 SuggestedRemedy
 Change to proper font for providing directions to the editorial team
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 140 SC 140.7.9 P45 L50 # 86
 Lewis, David Lumentum
 Comment Type ER Comment Status D Bucket
 There is underlining required in the paragraph at line 50 for changes from the original text in 802.3cd.
 SuggestedRemedy
 Underline "the 100GBASE-DR " and add a strikeout "s" after receiver. Underline all of the second sentence.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 140 SC 140.11.4.4 P54 L25 # 41
 Trowbridge, Steve Nokia
 Comment Type TR Comment Status D bucket
 This table hasn't been incorporated into the P802.3cu draft, however once the missing measurement method in 140.7.11 for over/undershoot is provided, this clause/table should be brought into the draft and an OM10 PICs item should be added to point to 140.7.11.
 SuggestedRemedy
 Bring the table from P802.3cd clause 140.11.4.4 into the draft and add an OM10 PICS item to point to 140.7.11.
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 See comment #91.

Cl 140 SC 140.7.11 P46 L30 # 65
 Dawe, Piers Mellanox
 Comment Type T Comment Status D Bucket
 Don't put the subclause for Transmitter over/under-shoot after the receiver-related subclauses when all other transmitter-related subclauses in 140.7 are before.
 SuggestedRemedy
 Because it's so closely related to T(D)ECQ measurement, put it after Transmitter eye closure for PAM4 (TECQ) and before Extinction ratio.
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 Move subclause 140.7.11 to subclause 140.7.5b after the newly inserted 140.7.5a.

Cl 140 SC 140.11.4.6 P54 L28 # 91
 Nicholl, Gary Cisco Systems
 Comment Type T Comment Status D bucket
 Missing PICS items for Overshoot, TECQ and Receiver Sensitivity tests
 SuggestedRemedy
 Insert Section 140.11.4.4 from 802.3cd before Section 140.11.4.6, and amend to include new PICS items for Overshoot, TECQ and Receiver Sensitivity. Make this PICS items mandatory for 100GBASE-FR1 and 100GBASE-LR1 only.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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CI 140 SC 140.11.4.6 P54 L40 # 107
 Dudek, Mike Marvell.
 Comment Type T Comment Status D bucket
 The requirements for the maximum discrete reflectance in table 140-12 don't apply to LR1/FR1 which are given in Table 140-14
 SuggestedRemedy
 Change the PICs to match the requirements.
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 Change Value/Comment for OC2 to "Meets requirements specified in 140.10.2.2".

CI 151 SC 151 P55 L1 # 118
 Zimmerman, George CME Cons./ADI, Cisco, Commscope, Marvell, SenTe
 Comment Type E Comment Status D Bucket
 Insert instruction for clause 151 is missing
 SuggestedRemedy
 Add new editing instruction before header to clause 151 - "Insert new clause 151 in numeric order as follows"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 151 SC 151.1 P55 L30 # 31
 Brown, Matt Huawei Technologies Canada
 Comment Type E Comment Status D Bucket
 Use proper terminology. See Annexes 120B, 120C, 120D, 120E.
 SuggestedRemedy
 Change as follows.
 "Chip-to-chip 400GAUI-16" to "400GAUI-16 C2C"
 "Chip-to-module 400GAUI-16" "400GAUI-16 C2M"
 "Chip-to-chip 400GAUI-8" to "400GAUI-8 C2C"
 "Chip-to-module 400GAUI-8" to "400GAUI-8 C2M"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 151 SC 151.5.1 P58 L45 # 50
 Maguire, Valerie The Siemon Company
 Comment Type E Comment Status D Bucket
 Extra spaces between paragraphs.
 SuggestedRemedy
 Remove carriage returns on lines 45 and 46.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 151 SC 151.5.4 P59 L53 # 18
 Brown, Matt Huawei Technologies Canada
 Comment Type TR Comment Status D Bucket
 The reference should be to 151.2 rather than 116.3. It is correct that 116.3 provides the default architecture, 151.2 points to 116.3 and provides additional information for mapping SIGNAL_DETECT.
 SuggestedRemedy
 Change the reference to "161.3" to "151.2".
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 Change reference from "116.3" to "151.2".

CI 151 SC 151.5.4 P60 L12 # 108
 Dudek, Mike Marvell.
 Comment Type T Comment Status D Bucket
 The condition for signal detect fail is Average Optical power <=-30dBm. The Average launch power of OFF transmitter is -16dBm in table 151-7. i.e. an OFF transmitter will not cause signal detect to negate.
 SuggestedRemedy
 Change -30dBm to -16dBm
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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CI 151 SC 151.7 P62 L23 # 33

Lusted, Kent Intel

Comment Type TR Comment Status D Bucket

The references to G.657.A1 and G657.A2 are assumed to be ITU-T G.657, 2009 from the base standard because no other version is referenced in this draft specification. However, a newer version of ITU-T G.657 published 2016 makes numerous changes to the SMF specifications that may be relevant to this draft.

SuggestedRemedy

Update the Normative Reference in Clause 1.3 from the base specification (IEEE 802.3-2018) with the updated ITU-T G.657 document.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Import subclause 1.3 from 802.3-2018 and:

Replace
ITU-T Recommendation G.657, 2009
with
ITU-T Recommendation G.657, 2016

CI 151 SC 151.7 P62 L23 # 32

Lusted, Kent Intel

Comment Type TR Comment Status D Bucket

The references to G.652.B and G652.D are assumed to be ITU-T G.652, 2009 from the base standard because no other version is referenced in this draft specification. However, a newer version of ITU-T G.652 published 2016 makes numerous changes to the SMF specifications that may be relevant to this draft.

SuggestedRemedy

Update the Normative Reference in Clause 1.3 from the base specification (IEEE 802.3-2018) with the updated ITU-T G.652 document.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Import subclause 1.3 from 802.3-2018 and:

Replace
ITU-T Recommendation G.652, 2009
with
ITU-T Recommendation G.652, 2016

CI 151 SC 151.7.2 P64 L3 # 20

Brown, Matt Huawei Technologies Canada

Comment Type T Comment Status D Bucket

The specifications are not defined in Table 151-8, they are listed there; the specifications are defined within subclause 151.8.

SuggestedRemedy

Delete "defined" twice.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 151 SC 151.8.2 P66 L42 # 110

Dudek, Mike Marvell.

Comment Type T Comment Status D Bucket

Table 151-5 does not specify SMSR

SuggestedRemedy

Change the table reference to 151-7

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 151 SC 151.8.5.1 P67 L50 # 22

Brown, Matt Huawei Technologies Canada

Comment Type E Comment Status D Bucket

The acronym RIN has not been defined in the Clause.

SuggestedRemedy

Change "RIN" to "relative intensity noise (RIN)".

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 151 SC 151.8.5.4 P68 L28 # 24

Brown, Matt Huawei Technologies Canada

Comment Type E Comment Status D Bucket

In figure 151-4, Inconsistent font type and size.

SuggestedRemedy

Change all to Arial 8pt.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

All text except "Polarization rotator" is already Arial 8pt.

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CI 151 SC 151.8.5.1 P69 L7 # 23
 Brown, Matt Huawei Technologies Canada
 Comment Type E Comment Status D Bucket
 The acronym DGD has not been defined in the Clause.
 SuggestedRemedy
 Change "DGD" to "differential group delay (DGD)".
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 151 SC 151.8.11 P71 L38 # 112
 Dudek, Mike Marvell.
 Comment Type E Comment Status D Bucket
 There are only two different patterns allowed
 SuggestedRemedy
 Change "any" to "either"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 151 SC 151.8.5.4 P72 L28 # 25
 Brown, Matt Huawei Technologies Canada
 Comment Type E Comment Status D Bucket
 In figure 151-7, inconsistent font type and size.
 SuggestedRemedy
 Change all to Arial 8pt.
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 Most of the font in figure 151-7 is Arial 9pt. One text block is Arial 10pt (Stress conditioning), and another is Arial 8pt (Pattern trigger). Propose to change all to Arial 9pt.

CI 151 SC 151.9.1 P73 L52 # 12
 Lewis, Jon Dell EMC
 Comment Type T Comment Status D Bucket
 P802.3cr has centralized the general safety references in Annex J. P802.3cr is in a recirculation WG ballot and is likely to complete prior to P802.3cu. TF Chairs should discuss the order of the amendments as that would determine if this change should happen in P802.3cu or P802.3cr.

SuggestedRemedy
 Change "All equipment subject to this clause shall conform to IEC 60950-1." to "All equipment subject to this clause shall conform to the general safety requirements as specified in J.2". Add Editor's Note to be removed prior to SA ballot to align text with changes to P802.3cr.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 151 SC 151.9.1 P73 L52 # 14
 Carlson, Steven HSD/Bosch/Ethernovia
 Comment Type TR Comment Status D Bucket
 P802.3cr is harmonizing general safety references across all of IEEE 802.3 in Annex J. P802.3cr is in the 1st WG ballot recirculation and is likely to complete the ballot cycle prior to P802.3cu. Coordination between TFs and the P802.3cr project should be maintained to keep this material in sync.

SuggestedRemedy
 Change "All equipment subject to this clause shall conform to IEC 60950-1." to "All equipment subject to this clause shall conform to the general safety requirements as specified in J.2". Add Editor's Note to be removed prior to SA ballot to align text with changes to P802.3cr.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 151 SC 151.11.1 P76 L7 # 51
 Maguire, Valerie The Siemon Company
 Comment Type E Comment Status D Bucket
 Extra spaces between paragraphs.
 SuggestedRemedy
 Remove carriage returns on lines 7 and 8.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 151 SC 151.13.4.5 P82 L24 # 98
 Nicholl, Gary Cisco Systems
 Comment Type T Comment Status D bucket
 Missing PICS items for Overshoot, TECQ and Receiver Sensitivity tests
 SuggestedRemedy
 Add new PICS items for Overshoot, TECQ and Receiver Sensitivity tests
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 151 SC 151.13.4.6 P83 L6 # 13
 Lewis, Jon Dell EMC
 Comment Type T Comment Status D Bucket
 If Annex J is inserted in 151.9.1 then the PICs needs to be updated also.
 SuggestedRemedy
 Change "Conforms to IEC 60950-1" to "Conforms to J.2"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 151 SC 151.13.4.5 P82 L44 # 40
 Trowbridge, Steve Nokia
 Comment Type TR Comment Status D bucket
 If the over/undershoot measurement mechanism mentioned in a related comment on clause 151.8.12 had been specified, you would need a PICS to point to it.
 SuggestedRemedy
 Add an OM10 PICS item to this table pointing to the over/undershoot measurement method to be added to 151.8.12.
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 See comment #98.

Cl 151 SC 151.13.4.6 P83 L6 # 15
 Carlson, Steven HSD/Bosch/Ethernovia
 Comment Type TR Comment Status D Bucket
 If Annex J is inserted in 151.9.1 then the PICs require updating.
 SuggestedRemedy
 Change "Conforms to IEC 60950-1" to "Conforms to J.2"
 Proposed Response Response Status W
 PROPOSED ACCEPT.