

100 Mbit/s Dedicated Token Ring Operation 802.5t/LMSC (D2.4): Full Comment Report

Comment KD-06

Section Global Line 0 Severity A/C Type ED Status MODIFIED Highlight To Committee Commenter Agrees? Editing Complete	
Concern: Please use consecutive page numbers. The system used makes it impossible to know if the reader has a complete draft.	
Solution:	
Response: This will be resolved at time of publication. For draft production, ensure that << end of sub/clause >> is used.	
Comment GM-08	

Section Global Line 0 Severity A/C Type ED Status REJECTED Highlight To Committee Commenter Agrees? Editing Complete Image: Complete

- **Concern:** Figures are not readable probably due to original using colored backgrounds.
- Solution: Reformat the draft for black and white printing
- **Response:** This is not an error in the files used to generate the document, but rather in the printer drivers used to print the PDF files.

This printing error was detected early in the original Ballot document and it was our understanding that all released ballot documents with the error were corrected. However, some document apparently escaped our notice.

Finally, those electing to print the PDF files from the 802.5 Website must use the correct print drivers (compatible with Adobe output).

Comment GM-01

Section Global Line 0	Severity DIS	Type ED	Status REJECTED
Highlight To Committee	Commenter Agre	ees?	Editing Complete

Concern: The intended ballot close date was printed incorrectly.

Solution: Close the ballot 30 October as printed.

Response: Two points must be made clear.

- It was decided by the 802.5 committee that, in an attempt to produce a standard this year, to use the earliest possible valid Ballot closing date (19 October 98). This date would allow for a Recirculation Ballot, if necessary, prior to the 8 December 98 Standards Board meeting. Thus, the LMSC 802.5t Draft 2.4 closing date given to the IEEE group responsible for Ballots was 19 October 98, not 30 October 98.
- The October 30, 1998 date printed (and changed to 19 October 1998) on the Ballot was an error on the part of the IEEE group responsible for printing ballots.

17-Nov-98

Comment BG-12

Section Global Line 0 Severity DIS Type TECH Status MODIFIED

Highlight To Committee Commenter Agrees? Editing Complete

- The use of symbol is confusing. Symbol is defined in clause 1 as a bit Concern: equilivent (0,1,J,K), and used in clause 5 in a similar way; but its usage here is something very different. Rcv_symbol and Tx_symbol are used in these primitives to convey a byte. Then in clause 14, symbol is used basically as defined in FDDI, where the Interpretation of FDDI Terms tables say it should be a nibble.
- Solution: Don't use symbol for two different widths of information, find a new term (e.g., code_group).

Response: Symbol is being used incorrectly in a number of places in 802.5t

Document locations:

Clause/subclause 9.8, 13, Annex W: Replace "symbol" with "indicator" for PS_UNITDATA primitives and replace symbol with NRZI_bit for PM_UNITDATA primitives.

Also, make the following changes to 1.3, 9.1, 9.2, 9.3 and 14.

Subclause 1.3, lines 81 and 82 replace "symbols" with "indicators" 1.

- 2. 3.
- Subclause 9.1, line 79 Replace "Tx_symbol" with "Tx_indicator" Subclause 9.1, line 329 Replace "code symbols" with "code-groups"
- Subclause 9.2, line 376 Replace "Tx_symbol" with "Tx_indicator" 4.
- 5. Subclause 9.3, line 356 Replace "Tx_symbol" with "Tx_indicator"
- 6. Clause 14.2.2.1, line 93, add a reference to [802.3].
- Clause 14.2.2.1.1, line 96, replace "symbol sequence" with "code-group".
 Clause 14.2.2.1.2, line 98, replace "symbol sequence" with "code-group".
 Clause 14.2.2.1.3, line 100, replace "symbol sequence" with "code-group".
- 10. Clause 14.2.2.1.4, lines 102, 103 and 104 replace "symbol" with "code-group".
- 11. Clause 14.2.2.1.5, line 108, replace "symbol sequence" with "code-group".

Comment BG-07

Section Global Line 0 Severity DIS Type TECH Status ACCEPTED

Highlight To Committee Commenter Agrees? ✓ Editing Complete

Concern: There is much in the document that is beyond the scope of the PAR. Most obvious to me, well-defined "hooks" for TPK operation at High Media Rates. For example, Properties of a Token (9.1-9 line 309).

> From the PAR: "The Media Access Control (MAC) will operate a dedicated Token Ring link, using the Transmit Immediate (TXI) Access Protocol...". TPK operation is not mentioned in the scope.

- Solution: Delete all specifications for TPK operation.
- Response: All specifications for TKP Access protocol operation have been removed from the document as follows.
 - Subclause 9.1, Page 9.1-9, line 307: deleted "TK_AC, ". 1.
 - Subclause 9.1, Page 9.1-9, deleted lines 309 through 317. 2.
 - Subclause 9.1, Page 9.3-37, the definition of TK_AC has been changed as 3. follows.
 - a. Added "<< 4 Mbit/s and 16 Mbit/s only >>" in the Event/Condition Term column.
 - b. Changed meaning of term column to: "A Token is received that meets the criteria specified in 4.3.1. (by deleting " for 4 Mbit/s and 16 Mbit/s and in 9.1.1.6 for the High Media Rate.").
 - Subclause 14.1, page 14-1, lines 13 and 14 have been deleted. 4.
 - 5. Subclause 14.1.3, Page 14-2, lines 32 through 36 have been deleted.
 - 6. Subclause 14.1.4, page 14-2, line 37 has been renumbered to 14.1.3.
 - 7. Subclause 14.2.1.1, Page 14-3, lines 46 through 68 have been deleted.
 - Subclause 14.2.1.1.2, page 14-4, line 69 has been renumbered and changed 8. to the following.
 - 14.2.1.1 End Transmit (ET) for Frame Sequence using TXI Access protocol 9. Subclause 14.2.1.1.2.1, page 14-4, line 72 has been renumbered to
 - 14.2.1.1.1.

10. Subclause 14.2.1.1.3, page 14-4, lines 79 through 88 have been deleted.

Comment KD-01

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Section Global Line 0	Severity A/C	Type ED	Status	ACCEPTED
Highlight To Committee	Commenter Agre	es? 🗸	Editing Co	mplete 🗌

Concern: The format does not conform to IEEE style, nor does it use the numbering conventions for tables used in the published 8802-5 standards. This needs to be completely updated to match the published standards, not the draft versions of them.

Solution:

Response: IEEE style to be applied at time of publication. Tables and figures will be renumbered to be consistent with the base and amd. 1 documents. The new table in 9.2 can be numbered (for example) table 9-14a.

Comment	KD-05
Section Glo	bal Line 0 Severity A/C Type ED Status MODIFIED
Highlight To	o Committee 🗹 Commenter Agrees? 🗹 Editing Complete 🗌
Concern:	Please make sure separate graphics files in TIFF or EPS format are provided for all figures.
Solution:	
Response:	This requirement is to ease the production of electronic versions (PDF). It is requested that at least EPS versions of all embedded graphics be supplied at the time of publication.
Comment	KD-08
Section Glo	bal Line 0 Severity Q Type ED Status ANSWERED
Highlight T	o Committee Commenter Agrees? 🗸 Editing Complete 🗸
Concern:	How do you plan to number annexes after Z?
Solution:	
Response:	Annex Z will be followed by Annex AA.
Comment	BG-03
Section Glo	bal Line 0 Severity A/C Type ED Status ACCEPTED
Highlight T	o Committee Commenter Agrees? 🗸 Editing Complete
	The document is internally inconsistent in the abbreviations for XX million bits per second. It uses 100Mbit/s (e.g., 13.9, Annex U), 100 Mbit/s (the most used convention with space between number and M), 10 Mb/s (Annex U, the 802.3 convention) and I think 100 Mbps (couldn't find it again).
Solution:	Search for and change non-preferred abbreviations.
Response:	We will search document for 100Mbit/s and change to 100 Mbit/s. Likewise for 4 and 16 Mbit/s.
	Owner: All
Comment	WB-01
Section Glo	
	o Committee Commenter Agrees? ✓ Editing Complete
Concern:	Sometimes 100Mbit/s is written thus, sometimes 100 Mbit/s with space.
	Please be consistent and leave space in all cases (write as 100 Mbit/s).
	-
kesponse:	Also see BG-03.
	We will search document for 100Mbit/s and change to 100 Mbit/s. Likewise for 4 and 16 Mbit/s.
	Owner: All

Section Global Line 0 Severity DIS Type ED Status REJECTED

Highlight To Committee Commenter Agrees? Editing Complete

- **Concern:** I can find no table of contents. This is a very large document, and it is very difficult to review it without a table of contents. I cannot perform an adequate review in the time allowed by reading it all page by page.
- **Solution:** I would be able to review it with a specific concentration on my areas of expertise if a table of contents had been provided.
- **Response:** The committee believes that the document can be adequately reviewed without a table of contents.

However, the following will be done on the next ballot to assist reviewer.

A section heading table of contents overview will be added to the next ballot, but because of document organization it will not have page numbers. A table of contents with page numbers will be added at time of publication by the IEEE.

Comment HF-04

Section Global Line 0	Severity DIS	Туре	TECH	Status	MODIFIED
Highlight To Committee	Commenter Agre	es?	Ed	liting Co	mplete 🗌

- **Concern:** I do not understand why there is so much information reproduce in this document that appears to be unchanged from the base standard. This will make the editor's job very difficult. Worse still, the information which has changed from the base standard is not highlighted in any way that I can discern. Change bars and strikethru/underscore must be used so that readers can discern the changes.
- **Solution:** If you want a careful review of your work, please show the reviewers some consideration by making your document legible, providing a table of contents and highlighting the changes in an obvious way.

Response: See responses to JC-02 and HF-02.

- 1. A new Annex, AA, explains the changes made to ISO/IEC 8802-5:1998 and ISO/IEC 8802-5:1998/Amd.1:1998 to support 100 Mbit/s.
- 2. A section heading table of contents overview will be added to the next ballot, but because of document organization it will not have page numbers. A table of contents with page numbers will be added at time of publication by the IEEE.
- 3. The committee made the decision to publish 802.5t without change bars, as the complete document is required to understand High Speed Token Ring.

Comment DWW-01

 Section Global
 Line 0
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete
 Editing Complete

Concern: I believe that the decision to shorten the ballot period is wrong as it severly restricts the amount of time available to commenters outside of the US to provide a thorough review of the document. Given the rush with which this document was pushed through the 802.5 committee and some of the balloting irregularities which occurred, I feel that this document requires a thorough review and has not had the attention it deserves if it is to become an IEEE/IEC standard.

Solution:

Response: Two points must be made clear.

- It was decided by the 802.5 committee that, in an attempt to produce a standard this year, to use the earliest possible valid Ballot closing date (19 October 98). This date would allow for a Recirculation Ballot, if necessary, prior to the 8 December 98 Standards Board meeting. Thus, the LMSC 802.5t Draft 2.4 closing date given to the IEEE group responsible for Ballots was 19 October 98, not 30 October 98.
- The October 30, 1998 date printed (and changed to 19 October 1998) on the Ballot was an error on the part of the IEEE group responsible for printing ballots.

Comment BG-02

Section Global Line 0	Severity DIS Ty	pe TECH	Status	ACCEPTED
Highlight To Committee	Commenter Agrees	? 🗸 🛛 E	diting Cor	nplete 🗸

Concern: 100BASE-X is frequently misused. The misuse of 100BASE- definitions is very apparent in Annex U. Since Auto-Negotiation is not defined for 100BASE-FX, the correct name on U.2 would be 100BASE-T, not 100BASE-X. Since 10BASE-T, 100BASE-T2 and 100BASE-T4 do not use an FDDI developed PMD they do not belong under a 100BASE-X heading.

>From 802.3u (I don't yet have a copy of 802.3, 1998):

100BASE-T: IEEE 802.3 Physical Layer specification for a 100 Mb/s CSMA/CD LAN. (See IEEE 802.3 clauses 22 and 28.)

100BASE-X: IEEE 802.3 Physical Layer specification for a 100 Mb/s CSMA/CD LAN that uses the PMD sublayer and MDI of the ISO 9314 group of standards developed by ASC X3T12 (FDDI). (See IEEE 802.3 clause 24.)

100BASE-FX: IEEE 802.3 Physical Layer specification for a 100 Mb/s CSMA/CD LAN over two optical fibers. (See IEEE 802.3 clauses 24 and 26.)

100BASE-TX: IEEE 802.3 Physical Layer specification for a 100 Mb/s CSMA/CD LAN over two pairs of Category 5 UTP or shielded twisted-pair (STP) wire. (See IEEE 802.3 clauses 24 and 25.)

- Solution: Search document for 100BASE- and where necessary correct usage, per the definitions above.
- Response: The correct 100BASE-?? will be used throughout the document.

Sections impacted: Clause 9.8 and Annex U.

17-Nov-98

Comment HF-01

Section Global Line 29 Severity DIS Type ED Status MODIFIED

Highlight To Committee Commenter Agrees? ✓ Editing Complete

- **Concern:** Per page copyright/status notice is incorrect.
- Solution: Should read:

Copyright \circledcirc 1998 by the IEEE. All rights reserved. This is an unapproved IEEE Standards Draft, subject to change.

The important word here is "unapproved".

Response: All editors to ensure footers read as follows (text from IEEE editors):

Copyright © 1998 IEEE. All rights reserved. This is an unapproved IEEE Standards Draft, subject to change.

Comment GM-02

Section GlobalLine 40Severity DISTypeEDStatusREJECTEDHighlight To CommitteeCommenter Agrees?Editing Complete ✓

- **Concern:** The title purports to change ISO/IEC 8802-5. If so this should be a SC 6 ballot, not an IEEE ballot except as a recommended position to the US national member body of SC 6.
- Solution: Change the title to IEEE 802-5 or request a SC 6 ballot. Note the outcome of this comment could change some of the following comments.

Response: This is an Invalid DIS.

Kristin Dittmann (IEEE Standards Project editor) stated that the present title is appropriate even if it will be originally published as an IEEE standard. More to the point, this is strictly an editorial issue that is the responsibility of the IEEE editor, who will make the final determination as to whether this document, to be published as an IEEE standard, should refer to ISO/IEC in the title or not.

Section Global Line 51 Severity DIS Type ED Status ACCEPTED

Highlight To Committee Commenter Agrees? Editing Complete

- **Concern:** Many of the figures in this document are illegible because of the shading style used. The figures came out black on the copy that was sent to me. I can not review a figure that I cannot read.
- Solution: Fix figure shading.
- **Response:** This problem was fixed, but apparently some copies of the draft got sent out without the fix. It is not a problem with the Word DOC files, but rather the printer driver that was used to print the PDF (requires Adobe compatible drivers).

Comment GM-10

Section 1.2 Line 0 Sev	erity DIS Type	TECH	Status	REJECTED
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Highlight To Committee Commenter Agrees? Editing Complete

- **Concern:** The standard includes two FDDI physical variants FDDI PMD and FDDI TP-PMD. These two standards in turn call out normative references that are not listed (I presume).
- Solution: Clarify exceptions to the normative requirements of the FDDI normative references unless PHY and MAC are intended to be normative requirements.

Response: These exception are appropriately listed in subclause 9.8.

Comment GM-09

Section 1.2Line 0Severity QTypeTECHStatusANSWEREDHighlight To Committee□Commenter Agrees?✓Editing Complete□

Concern: The standard includes two FDDI physical variants - FDDI PMD and FDDI TP-PMD. Was it intended that FDDI LCF-PMD and FDDI SMF-PMD are not to be used?

Solution: No change if the answer is Yes. Add them if the answer is No.

Response: Yes, they are not meant to be used.

Comment KD-03

Section 1.2	Line 0	Severity A/C	Type ED	Status	MODIFIED
Highlight To	Committee	Commenter Agre	es? 🗸	Editing Co	mplete

Concern: I hope that the revised, incorporated 8802-5 & Amd. 1 will be available before this is approved. I do not know how this would be published with the two base standards still available only as separate documents.

Solution:

Response: 802.5t will be published before the incorporated standard.

The header will now say:

"Supplement to ISO/IEC 8802-5:1998 and ISO/IEC 8802-5:1998/Amd. 1:1998"

Comment KD-02

Section 1.2 Line 0 Severity A/C Type ED Status MODIFIED

Highlight To Committee Commenter Agrees? Complete

Concern: It is not appropriate to add the standard(s) to which this is a supplement as references (see 1.2). Delete 8802-5: 1998 and 8802-5: 1998/Amd. 1 from the list.

Solution:

Response: We talked to Kirsten and it was agreed the correct solution is to change the headers of the 802.5t document to be a supplement to both the base standard (ISO/IEC 8802-5:1998) and Amendment 1 (ISO/IEC 8802-5:1998/Amd.1:1998) as per item KD-03.

Subclause 1.2, page 1-3: deleted lines 60 through 66.

Comment BG-04

Section 1.2 Line 48 Severity A/C Type TECH Status ACCEPTED

Highlight To Committee Commenter Agrees?

- Concern: The 802.3 normative references are not current. 802.3u is no longer on the IEEE 802.3 catalog web page since it has been subsumed into 802.3, 1998. Deletion of the 802.3u reference is a global problem for the document since it is used so broadly, and when 802.5t is approved, an implementer will not be able to buy a copy of 802.3u.
- Solution: Replace the two references with one to 802.3, 1998. Replace all uses of 802.3u with something generic and less prone to obsolescence. Acceptable possibilities include: 100 Mb/s 802.3, 100BASE-X or appropriate 802.3 clause references.
- Response: 1. Changed line 48 from "ANSI/IEEE Std 802.3, 1996 Edition Information ..."
 to "ANSI/IEEE Std 802.3:1998 Information ...".
 2. Deleted lines 52 though 56.

Comment GM-03

	Section 1.2 Lin	e 48 Severity	y DIS Type	TECH	Status	MODIFIE
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Highlight To Committee Commenter Agrees? Editing Complete

- Concern: An ANSI reference should not be used in an ISO/IEC standard.
- Solution: Replace IEEE 802.3 with the ISO/IEC 8802 equivalent.
- **Response:** "802.3, 1996" is an ANSI/IEEE standard, not an ISO/IEC standard. Also, see item BG-04.

However, line 48 has been changed from "ANSI/IEEE Std 802.3, 1996 Edition Information ..." to "ANSI/IEEE Std 802.3:1998 Information ...".

Finally, it is the responsibility of the IEEE editors to publish the document with the correct references. If there is an international standard it will be so noted, otherwise the ANSI standard will be kept.

Comment GM-04

 Section 1.2
 Line 52
 Severity DIS
 Type
 TECH
 Status
 MODIFIED

 Highlight To Committee
 Commenter Agrees?
 ✓
 Editing Complete
 ✓

Concern: An ANSI reference should not be used in an ISO/IEC standard. In addition the callout is a different style than all the others.

Solution: Replace IEEE 802.3u with the ISO/IEC 8802 equivalent. Use the style of line 48

Response: See items GM-03 and BG-04.

The IEEE editiors will put into the published document the correct reference. If there is an international standard it will be so noted, otherwise the ANSI standard will be kept.

However, the reference to 802.3u in lines 52 through is not required anymore because the reference to ANSI/IEEE std. 802.3:1998 incorporates 802.3u. Thus, lines 52 through 56 have been deleted.

Comment GM-05

Section 1.2 Line 57 Severity DIS Type TECH Status REJECTED

Highlight To Committee Commenter Agrees? Editing Complete

Concern: An ANSI reference should not be used in an ISO/IEC standard.

Solution: Replace X3.263 with the ISO/IEC equivalent 9314-10.

Response: There is currently no ISO/IEC standard for this reference.

It is the responsibility of the IEEE editors to publish the document with the correct references. If there is an international standard it will be so noted, otherwise the ANSI standard will be kept.

Comment GM-06

 Section 1.2
 Line 58
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

Highlight To Committee Commenter Agrees? 🗸 Editing Complete 🖌

Concern: ANSI standards are not approved. The so-called approval is merely an approval that accredited procedures were followed.

Solution: Delete "Approved September 25 1995."

Response: Done.

Comment GM-07

Section 1.2 Line 59 Severity A/C Type ED Status MODIFIED
Highlight To Committee
Commenter Agrees? ✓ Editing Complete ✓
Concern: The title is incorrect.
Solution: Change "ISO" to "ISO/IEC" and add Part 3: Physical Medium Dependent (PMD)".
Response: Changed subclause 1.2, page 1-3, line 59 to the following.
ISO/IEC 9314-3:1990 Information processing systems Fibre Distributed Data

ISO/IEC 9314-3:1990, Information processing systems Fibre Distributed Data Interface (FDDI) - Part 3: Physical Layer Medium Dependent (PMD).

Comment RJK-03

Section 1.3	5 Line 70	Severity A/C	Type TECH	Status	ACCEPTED
Highlight 1	o Committee	Commenter Agr	ees? 🗸 🛛 Eo	diting Co	mplete 🗸
Concern:	and PHY layer	s."		-	plete interface between the MAC itecture figures.
Solution:	-	ecify that the ete interface			way, so HY (via the Reconciliation
Response:	Done.				

Comment BG-06

Section 1.6 Line 110 Severity DIS Type TECH Status MODIFIED

Highlight To Committee Commenter Agrees? V Editing Complete V

- Concern: It is impossible to conform to clause 3 as written. The text and illustrations within clause 3.1 are no longer correct since the underlying physical layers may use a group code. An octet is 8-bits. In 4b/5b, it takes 10 bits to represent a JK and it is therefore oxymoronic to talk about a JK or SD octet. If I remember correctly from my early participation in 802.5, octet was used in the document because of the strong ISO dislike for byte (primarily because byte is imprecise as to its length, what is actually desired at 100 Mb/s). If it is intended to use 1000BASE-X for an additional speed of DTR, the problem becomes worse where IFG, SD and ED become ordered sets. In 100BASE-X the ED sequence of TR takes 10 code bits, while in 1000BASE-X, the ED sequence takes 20 code bits.
- Solution: Remove the lengths from clause 3.1 on everything except the portions of frames that are data octets. Preferably, integrate the frame format portions of clause 14 into subclause 3.2. An alternative is to add a note to 3.2 indicating that it only specifies 4 and 16 Mb/s encodings; and also make the conformance statement more precise in the portions of clause 3 that are relevant.
- Response: 1. Subclause 1.6 changes pages 1-4 and 1-5

o Change lines 108, 119, 126 and 133 as follows.

From: "Clauses 3 and 10"
To: "Clause 3 as amended by clause 10"

o Change lines 110, 121, 128 and 135 as follows.

From: "Clauses 3, 10 and 14 for ..." To: "Clause 3 as amended by clauses 10 and 14 for the ..."

- 2. Clause 14 changes pages 14-1 and 14-3
- o line 8 page 14-1

From: "This subclause defines ..."
To: "This subclause replaces subclause 3.1 and defines ..."

Comment BG-05

 Section 2.2
 Line 20
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete
 Editing Complete

Concern: Duplicate word (the the).

Solution: Delete one.

Response: Done.

Comment KD-04

Section 9Line 0Severity A/CTypeEDStatusACCEPTEDHighlight To CommitteeCommenter Agrees?Editing Complete

Concern: The shading in tables (Clause 9) is too dark. Please use lighter shading to make text legible.

Solution:

Response: The shading used in 9.2 and 9.3 has been changed to 5% which is as light as possible and still see it is shaded.

Updated 9.2 (after line 387) as follows.

Each Station Operation Table starting point has its event/condition shaded and each Station Operation Table exit point has its action/output shaded.

Updated 9.3 (after line 364) as follows.

Each Port Operation Table starting point has its event/condition shaded and each Port Operation Table exit point has its action/output shaded.

Comment JC-02

 Section 9
 Line 0
 Severity A/C
 Type ED
 Status
 MODIFIED

 Highlight To Committee□
 Commenter Agrees?
 ✓
 Editing Complete□

- **Concern:** The clause from 802.5a:1998 is replaced in its entirety. It is not clear what sections of the protocol actually changed due to the new PHY and which sections of the protocol remained the same. Since this document will be published as a supplement, it is important that readers understand the major differences between clause 9 in 802.5a and clause 9 in 802.5t update.
- **Solution:** Place a summary at the top of Page 9-1 indicating the major items in 802.5a that have changed in 802.5t so the implementer of 802.5a is aware of these.

Response: See comments JC-03 and HF-04.

The clause 9 and subclauses 9.1, 9.2 and 9.3 were replace in their entirety because of the number of changes required to support the High Media Rate.

Annex AA has been written to explain what has been changed.

Comment KTW-01

Section 9.0 Line 43 Severity A/C Type ED Status ACCEPTED
Highlight To Committee
Commenter Agrees?
Editing Complete
Concern: Reference to 13.9.8 is incorrect (doesn't exsist).
Solution: Change 13.9.8 to 13.9.
Response: Changed line 43 from 13.9.8 to 13.9.

Comment KTW-02

 Section 9.0
 Line 46
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete

Concern: Reference to 13.9.8 is incorrect (doesn't exsist).

Solution: Change 13.9.8 to 13.9.

Response: Changed line 46 from 13.9.8 to 13.9.

Comment KTW-03

 Section 9.0
 Line 49
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete
 Editing Complete

Concern: Reference to 13.9.8 is incorrect (doesn't exsist).

Solution: Change 13.9.8 to 13.9.

Response: Changed line 49 from 13.9.8 to 13.9.

Comment KTW-04

 Section 9.0
 Line 57
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete
 Editing Complete

Concern: The Classic Station should be Classic station and should indicate that the TKP Access Protocol is only supported.

Solution: Change line 57 as follows.

From: The Classic Station, which only operates at 4 Mbit/s or 16 Mbit/s, is defined in clause 4.To: The Classic station, which only uses the TKP Access Protocol operating at 4 Mbit/s or 16 Mbit/s, is defined in clause 4.

Response: Done.

Comment KTW-05

Section 9.0 Line 58 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? Editing Complete Concern: The Classic Concentrator should indicate that the TKP Access Protocol is only supported. Solution: Change line 58 as follows. From: The Classic Concentrator, which only operates at 4 Mbit/s or 16 Mbit/s, is defined in clause 8. To: The Classic Concentrator, which only uses the TKP Access Protocol operating at 4 Mbit/s or 16 Mbit/s, is defined in clause 8. Response: Done. Comment RF-01 Line 632 Status ACCEPTED

Severity A/C Section 9.1 Type ED Highlight To Committee Commenter Agrees? Editing Complete Concern: pass/fai Solution: pass/fail Response: This is correct in the PDF I have and is correct in the Word97 doc file. In the printing of future drafts, this will be corrected by using the correct print drivers.

Comment RF-02

Section 9.1 Line 634 Severity A/C Type ED Status ACCEPTED

Commenter Agrees? Editing Complete Highlight To Committee

Concern: function th

Solution: function the

Response: This is correct in the PDF I have and is correct in the Word97 doc file. In the printing of future drafts, this will be corrected by using the correct print drivers.

Comment RF-03

Section 9.1	Line 645	Severity A/C	Type ED	Status	ACCEPTED
Highlight To	Committee	Commenter Agre	es?	Editing Co	mplete 🗌

Highlight To Committee Commenter Agrees?

Concern: defined i

Solution: defined in

Response: This is correct in the PDF I have and is correct in the Word97 doc file. In the printing of future drafts, this will be corrected by using the correct print drivers.

Comment	RF-04					
Section 9.1 Highlight To	Line 917 o Committee	Severity A/C Commenter Agree		Status Editing Co	ACCEPTED mplete 🖌	
Concern:	it reset the					
Solution:	it resets the					
Response:	Done.					
Comment	RF-05					
Section 9.1 Highlight T	Line 998	Severity A/C Commenter Agree	<u> </u>	Status Editing Co	ACCEPTED	

Concern: The valu

Solution: The value

Response: This is correct in the PDF I have and is correct in the Word97 doc file. In the printing of future drafts, this will be corrected by using the correct print drivers.

Comment RF-06

 Section 9.1
 Line 1039
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete
 Editing Complete

Concern: either 0, 3 or 7

Solution: 0, 3 or 7.

Response: Done.

Comment SAV-01

 Section 9.1
 Line 1097
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete
 Editing Complete

- **Concern:** This bullet discusses what happens when a Station is trying to connect to a C-Port and trade up to the High Media Rate. The Station sends a Registration Request MAC frame to the C-Port. The bulleted item is a bit vague and incorrect in what is described.
- Solution: If another Registration Request MAC frame is received by the C-port from the Station before TPTUAD expires, then the C-Port transmits another Registration Response MAC frame.

Response: Done.

 Section 9.2
 Line 0
 Severity A/C
 Type ED
 Status ACCEPTED

 Highlight To Committee
 Commenter Agrees? ✓
 Editing Complete ✓

 Concern:
 [Page 9.2-47, Entry 'DC<>RS'] Station class

 Solution:
 Station class.

 Response:
 Done.
 See RF-18 for explanation of how this was handled.

Comment RF-22

Section 9.2 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.2-47, Entry 'DISCARD_PDU'] Discard the PDU Solution: Discard the PDU. Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-20

Section 9.2 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.2-47, Entry 'Variable=value'] specified value Solution: specified value. Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-19

Section 9.2 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.2-47, Entry '{counter}=({counter}-1)'] counter by one Solution: counter by one. Response: Done. See RF-18 for explanation of how this was handled.

Section 9.2 Line 0 Severity A/C Type ED Status ACCEPTED

Highlight To Committee Commenter Agrees? Editing Complete

Concern: [Page 9.2-45, Entry 'SC=CRS'] Report Server)

Solution: Report Server).

Response: Done. This is the first of over 100 comments that request a period be put at the end of a sentence. I made these changes as well as ones not identified. I used the following rules for putting periods after a statement.

It is a sentence.
 It is a statement of why a condition or action is taking place.

Comment RF-16

Section 9.2 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.2-44, Entry 'FR_WITH_ERR'] (see 4.3.2) Solution: (see 4.3.2). Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-17

Section 9.2 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.2-45, Entry 'MRI_UNITDATA.request'] to be transmitted Solution: to be transmitted. Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-15

Section 9.2 Line 356 Severity A/C Type ED Status ACCEPTED
Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓
Concern: (join complete)
Solution: (join complete).
Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-07
Section 9.2 Line 393 Severity A/C Type ED Status ACCEPTED
Highlight To Committee Commenter Agrees? Editing Complete
Concern: Parameter n6, n7 and n8
Solution: Parameters n6, n7 and n8
Response: Done.
Comment SJH-03
Section 9.2 Line 398 Severity A/C Type ED Status ACCEPTED
Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓
Concern: Page 9.2-23, R3194
Inappropriate use of grey shading. (See R3117 for example of correct usage). Solution: Remove shading.
Response: Done.
Comment SAV-02
Section 9.2 Line 418 Severity A/C Type ED Status MODIFIED
Highlight To Committee Commenter Agrees? 🗸 Editing Complete 🗸
Concern: Ref 3802
TSLMTE is referenced as not having expired yet. However, there is no reference to TSLMTE anywhere else in the Standard. Therefore, it can only be assumed that TSLMTE is an error and should be replaced.
Solution: << Lobe Media Test Notification MAC Frame Pacing timer expired and TSLMT has not yet expired. >>
Response: The solution provided is almost right (missing a "P"). I made the following change.
<< Lobe Media Test Notification MAC Frame Pacing timer expired and TSLMTP has not yet expired. >>
Comment RF-40
Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED
Lightight To Committee Commenter Agrees 2 C Editing Complete C

Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓
Concern: [Page 9.3-23, Entry '1145'] not operational>>
Solution: not operational.>>

Response: Done. See RF-18 for explanation of how this was handled.

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-23, Entry '1136'] not operational>> Solution: not operational.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-42

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-23, Entry '1070'] Token failed>> Solution: Token failed.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-43

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-23, Entry '1081'] Token failed>> Solution: Token failed.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-51

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-25, Entry '1127'] not been completed>> Solution: not been completed.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-44

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-23, Entry '1094'] lobe test>> Solution: lobe test.>> Response: Done. See RF-18 for explanation of how this was handled.

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-24, Entry '1038'] by C-Port>> Solution: by C-Port.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-46

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-24, Entry '1095'] test is disrupted>> Solution: test is disrupted.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-47

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-24, Entry '1096'] TS=PRPT>> Solution: TS=PRPT.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-48

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-24, Entry '1039'] by C-Port>> Solution: by C-Port.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-39

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-23, Entry '1135'] not operational>> Solution: not operational.>> Response: Done. See RF-18 for explanation of how this was handled.

 Section 9.3
 Line 0
 Severity A/C
 Type ED
 Status ACCEPTED

 Highlight To Committee
 Commenter Agrees? ✓
 Editing Complete ✓

 Concern:
 [Page 9.3-24, Entry '1129'] not detected>>

 Solution:
 not detected.>>

 Response:
 Done.
 See RF-18 for explanation of how this was handled.

Comment RF-29

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-21, Entry '1114'] Phantom Drive>> Solution: Phantom Drive.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-45

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-23, Entry '1100'] restarting TPDLT>> Solution: restarting TPDLT.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-38

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-23, Entry '1134'] not operational>> Solution: not operational.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-36

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-23, Entry '1137'] initial entry>> Solution: initial entry.>> Response: Done. See RF-18 for explanation of how this was handled.

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-21, Entry '1149'] Media Rate>> Solution: Media Rate.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-33

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-21, Entry '1148'] Protocol request>> Solution: Protocol request.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-32

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-21, Entry '1132'] by this C-Port>> Solution: by this C-Port.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-30

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-21, Entry '1114'] path is supported>> Solution: path is supported.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-28

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-20, Entry '1092'] Station to close>> Solution: Station to close.>> Response: Done. See RF-18 for explanation of how this was handled.

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-20, Entry '1092'] Station error>> Solution: Station error.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-26

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-20, Entry '1004'] unsupported protocol>> Solution: unsupported protocol.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-25

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-19, Entry '1121'] INS_RSP>> Solution: INS_RSP.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-24

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-19, Entry '1121'] Hard Error Recovery>> Solution: Hard Error Recovery.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-52

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-25, Entry '1128'] has been completed>> Solution: has been completed.>> Response: Done. See RF-18 for explanation of how this was handled.

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-23, Entry '1133'] not operational>> Solution: not operational.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-31

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-21, Entry '1131'] by this C-Port>> Solution: by this C-Port.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-92

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-31, Entry '1817'] frame error>> Solution: frame error.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-80

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-29, Entry '1612'] 16 Mbit/s>> Solution: 16 Mbit/s.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-81

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-30, Entry '1819'] with an error>> Solution: with an error.>> Response: Done. See RF-18 for explanation of how this was handled.

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-30, Entry '1819'] DTU_UNITDATA.request>> Solution: DTU_UNITDATA.request.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-83

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-30, Entry '1820'] frame transmissions>> Solution: frame transmissions.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-84

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-30, Entry '1820'] DTU_UNITDATA.request>> Solution: DTU_UNITDATA.request.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-85

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-30, Entry '1818'] being transmitted>> Solution: being transmitted.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-86

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-30, Entry '1818'] is now known>> Solution: is now known.>> Response: Done. See RF-18 for explanation of how this was handled.

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-30, Entry '1800'] to the C-Port>> Solution: to the C-Port.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-88

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-30, Entry '1801'] event to occur)>> Solution: event to occur).>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-89

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-31, Entry '1806'] to the DTU>> Solution: to the DTU.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-79

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-29, Entry '1613'] 16 Mbit/s>> Solution: 16 Mbit/s.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-91

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-31, Entry '1814'] has started>> Solution: has started.>> Response: Done. See RF-18 for explanation of how this was handled.

 Section 9.3
 Line 0
 Severity A/C
 Type ED
 Status ACCEPTED

 Highlight To Committee
 Commenter Agrees? ✓
 Editing Complete ✓

 Concern:
 [Page 9.3-40, Entry 'SPD=PD'] received frame

 Solution:
 received frame.

 Response:
 Done.
 See RF-18 for explanation of how this was handled.

Comment RF-93

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-35, Entry 'DTU_UNITDATA.request'] to be transmitted>> Solution: to be transmitted.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-94

 Section 9.3
 Line 0
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete
 Editing Complete

Solution: link is active (9.8.1.1.5).

Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-95

 Section 9.3
 Line 0
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete
 Editing Complete

Concern: [Page 9.3-37, Entry 'PS_STATUS.indication(Link_status=Not_asserted)'] link is
 inactive (9.8.1.1.5)

Solution: link is inactive (9.8.1.1.5).

Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-96

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-38, Entry '{counter}=({counter}-1)'] counter by one Solution: counter by one. Response: Done. See RF-18 for explanation of how this was handled.

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-38, Entry 'variable = value'] specified value Solution: specified value. Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-98

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-39, Entry 'QUE_RPRT_ADDR_PDU'] for transmission Solution: for transmission. Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-99

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-39, Entry 'QUE_RPRT_ERR_PDU'] for transmission Solution: for transmission. Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-100

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-39, Entry 'SDAC_RC=RC'] the DTU_DAC.response Solution: the DTU_DAC.response. Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-53

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-25, Entry '1048'] Error Recovery>> Solution: Error Recovery.>> Response: Done. See RF-18 for explanation of how this was handled.

 Section 9.3
 Line 0
 Severity A/C
 Type ED
 Status ACCEPTED

 Highlight To Committee
 Commenter Agrees? ✓
 Editing Complete ✓

 Concern:
 [Page 9.3-40, Entry 'SUA=SA'] address (SUA)

 Solution:
 address (SUA).

 Response:
 Done.

 See RF-18
 for explanation of how this was handled.

Comment RF-35

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-21, Entry '1067'] invalid AP_REQ>> Solution: invalid AP_REQ.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-90

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-31, Entry '1816'] has completed>> Solution: has completed.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-60

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-26, Entry '1214'] a Repeat Path>> Solution: a Repeat Path.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-67

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-28, Entry '1401'] Internal Test>> Solution: Internal Test.>> Response: Done. See RF-18 for explanation of how this was handled.

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-27, Entry '1217'] being transmitted>> Solution: being transmitted.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-65

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-27, Entry '1208'] being transmitted>> Solution: being transmitted.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-64

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-27, Entry '1218'] abort frame>> Solution: abort frame.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-63

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-27, Entry '1205'] abort frame>> Solution: abort frame.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-68

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-28, Entry '1404'] Internal Test>> Solution: Internal Test.>> Response: Done. See RF-18 for explanation of how this was handled.

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-27, Entry '1202'] FPOP=1>> Solution: FPOP=1.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-55

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-26, Entry '1203'] been exceeded>> Solution: been exceeded.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-59

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-26, Entry '1200'] MAX_TX>> Solution: MAX_TX.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-58

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-26, Entry '1209'] being transmitted>> Solution: transmitted.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-57

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-26, Entry '1210'] been exceeded>> Solution: been exceeded.>> Response: Done. See RF-18 for explanation of how this was handled.

 Section 9.3
 Line 0
 Severity A/C
 Type ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete

 Concern:
 [Page 9.3-26, Entry '1215'] been exceeded>>
 Solution: been exceeded.>>

 Response:
 Done.
 See RF-18 for explanation of how this was handled.

Comment RF-54

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-25, Entry '1150'] Media Rate>> Solution: Media Rate.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-78

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-29, Entry '1611'] 16 Mbit/s>> Solution: 16 Mbit/s.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-62

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-27, Entry '1202'] PPV(MAX_TX)>> Solution: PPV(MAX_TX).>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-70

 Section 9.3
 Line 0
 Severity A/C
 Type ED
 Status ACCEPTED

 Highlight To Committee
 Commenter Agrees? ✓
 Editing Complete ✓

 Concern:
 [Page 9.3-28, Entry '1408'] Detection process>>

 Solution:
 Detection process.>>

 Response:
 Done.
 See RF-18 for explanation of how this was handled.

 Section 9.3
 Line 0
 Severity A/C
 Type ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete
 ✓

 Concern:
 [Page 9.3-29, Entry '1617']
 Abort Sequence>>

 Solution:
 Abort Sequence.>>

 Response:
 Done.
 See RF-18 for explanation of how this was handled.

Comment RF-77

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-29, Entry '1610'] 16 Mbit/s>> Solution: 16 Mbit/s.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-75

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-29, Entry '1614'] Abort Sequence>> Solution: Abort Sequence.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-74

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-29, Entry '1601'] 16 Mbit/s>> Solution: 16 Mbit/s.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-73

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-29, Entry '1600'] 16 Mbit/s>> Solution: 16 Mbit/s.>> Response: Done. See RF-18 for explanation of how this was handled.

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-28, Entry '1403'] (TPPLD=R)>> Solution: (TPPLD=R).>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-69

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-28, Entry '1408'] has been Detected>> Solution: has been Detected.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-72

Section 9.3 Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page 9.3-28, Entry '1409'] FPOP=1>> Solution: FPOP=1.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-23

Section 9.3 Line 346 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: (FPOP=1) Solution: (FPOP=1). Response: Done. See RF-18 for explanation of how this was handled.

Comment SJH-02

Section 9.3 Line 369 Severity DIS Type TECH Status ACCEPTED

Highlight To Committee Commenter Agrees? Editing Complete

Concern: Page 9.3-25, R1150

In the action FPMR=2 will be reset when R1137 (9.3-23) fires, due to Set_initial_conditions. The Station fixes this problem by not setting FSMR=2 until the timer expiry transition. This should also be used for the C-Port.

Solution: Remove FPMR=2 from R1150 Add FPMR=2 to R1137

Response: I have accepted this change and have changed the term "High Media Rate" in these transitions to "100 Mbit/s" since these REFs operate only for 100 Mbit/s operation.

Comment SJH-01

Section 9.3 Line 373 Severity DIS Type TECH Status ACCEPTED

Highlight To Committee Commenter Agrees? Editing Complete

Concern: Refs 1407 and 1410

Transition 1407 does not cover all combinations of phantom capabilities. It is attempting to use SPD=0002 to ascertain that C-Port is not using phantom drive detection. SPD=002 is only one possibility since if PPV=0003 and SPD=0001, the Station will be using phantom drive but the C-Port will only be providing a phantom load - not actually detecting the phantom level and therefore this transition needs to fire.

Additionally, transition 1410 is incorrect. It attempts to reset the protocol detection function based on an LMTN frame reception, but it should only do this if phantom detection is not supported - otherwise the protocol loss detection will not work when phantom detection is in use by the C-Port.

Solution: Rectify by using FPINSLE=0 as an indication that phantom detection is not being used by the C-port. This is a valid assumption after join complete. Also, include the protocol detection reset in the same transition that detects that the protocol has completed, ie 1407, where it belongs.

Note that this solution was offered and accepted as SJH-31 (and a rejection of IKJ-01) against draft 2.1b.

Delete transition 1410.

Change transition 1407 to:

EVENT: FR_LMTN(DA=broadcast) & FPINSLE=0 & MS=PIT & JS=PJCI << The C-Port will establish the repeat path after reception of the first FR_LMTN, if not already established>>

ACTION: If FPRPTO=0 then TXI_LMTN_PDU; FPBNT=1; FPPLD=0 <<Return this frame only if PMAC repeat path is being used. Also reset the protocol loss detection function>>

Response: The above change has been done.

\frown		
U :0	mment	RF-08
~~		

Section 9.3	Line 400	Severity A/C	Type ED	Status	ACCEPTED
Highlight T	o Committee	Commenter Agre	es?	Editing Co	mplete 🗸
Concern:	SDAC_RC=RC en	try. 'code for	rm'		
Solution:	code from				
Response:	Done.				

Section 9.7 Line 91 Severity A/C Type ED Status ACCEPTED

Highlight To Committee Commenter Agrees? Editing Complete

Concern: specification define

Solution: specification defined

Response: This is correct in the PDF I have and is correct in the Word97 doc file. In the printing of future drafts, this will be corrected by using the correct print drivers.

Comment BG-11

Section 9.8 Line 0 Severity DIS Type TECH Status MODIFIED

Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓

Concern: The Reconciliation Sublayer operation is not defined. I cannot discern if the 802.3 clause 22 RS operation was assumed (a bad thing to do) or if an 802.5 unique RS is intended but its operation not described. The RS in 802.3u was usable for 802.3z with minor clause 22 textual modifications now published in 802.3, 1998. The 802.3 RS is not directly applicable to 802.5 since its operation is specified to a bit serial MAC. None the less, the 802.5 RS must specify some similar characteristics (e.g., how received violations are passed to MAC) and some different characteristics (e.g., how an odd number of nibbles is handled).

(I hope I got this right, since the shaded portions of architectural diagrams are unreadable in the copies.) On the architectural diagrams (e.g., figure 9.7-2 and others), the primitives are illustrated as between the MAC and RS, yet the primitive are described as transferring information between the MAC and PSC, presumably specifying the RS in the process. The specifications then map the primitive with MII signals illustrated in the diagram as being within the PSC. My conclusion from reading the text would be that the RS is contained within the PSC, not as shown within the figures.

Solution: Make the architectural diagrams and text consistent. Either modify the primitive text for the primitives between the MAC and RS as shown in the figures, or modify the figures to show the the primitives are between the MAC and PSC with the RS as part of PSC.

Response: (See also responses to BG-13, BG-14, BG-15 and WT-02)

Subclause 2.2.2, page 2-3 Figure 2.2-1 and page 2-4 figure 2.2-2 modified to include RS as part of the PSC.

Subclause 9.7.2.1, page 9.7-4 figure 9.7-2 modified to include RS as part of the PSC.

Comment	BG-09	
Section 9.8	Line 15	Severity DIS Type TECH Status MODIFIED
Highlight T	o Committee	Commenter Agrees? 🗸 Editing Complete 🗸
Concern:	FDDI TP-PMD an technical refe	d FDDI PMD are incorporated, but but only TP-PMD is in the rences.
Solution:	Add FDDI PMD t	o the technical references
Response:		n the Normative References (subclause 1.2 page 1-3 line 59). s "Part-3 Physical Layer Medium Dependent (PMD)" to clarify.
Comment	BG-10	
Section 9.8	Line 23	Severity DIS Type TECH Status MODIFIED
Highlight T	o Committee	Commenter Agrees? Editing Complete
Concern:		s operation at 10 and 100 Mb/s. I assume it is not the intent operation to token ring.
Solution:	the nature of	that only 100 Mb/s operation is allowed over the MII. Because of operation, simply specifying the value of the speed bits is not also requires limitations on the capability bits if auto- ever used.
Response:		t/s" before "Media Independent Interface" on line 24 of 9.8. nged to explicitly prohibit auto-negotiation.
Comment	RF-103	
Section 9.8	Line 33	Severity A/C Type ED Status ACCEPTED
Highlight T	o Committee	Commenter Agrees? Editing Complete
Concern:	PMDs	
Solution:	PMDs.	
Response:	Done	
Comment	JA-01	
Section 9.8	Line 33	Severity A/C Type ED Status ACCEPTED
Highlight T	o Committee	Commenter Agrees? Editing Complete
Concern:	No period	
Solution:		
Response:	Done	

Commen	JA-02
Section 9.8	Line 34 Severity A/C Type ED Status ACCEPTED
Highlight T	o Committee Commenter Agrees? Editing Complete 🗸
Concern:	No period
Solution:	
Response:	Done
Commen	RF-104
Section 9.8	Line 34 Severity A/C Type ED Status ACCEPTED
Highlight T	o Committee Commenter Agrees? Editing Complete
Concern:	MAC primatives
Solution:	MAC primatives.
Response:	Done
Commen	BG-14
Section 9.8	Line 47 Severity A/C Type ED Status MODIFIED
Highlight T	o Committee Commenter Agrees? 🗸 Editing Complete 🗸
Concern:	Imprecise text lines 47-51.
Solution:	Replace with: "This primitive defines the transfer of data from the PSC to the MAC. This primitive is signaled every byte time. The value of the byte is defined by the mapping of the MII signals RX_DV, RX_ER, and RXD03 via the Reconciliation Sublayer."
Response:	Added text "A PS_UNITDATA indication is synchronous to the MII RX_CLK rising edge."
Commen	WT-02
Section 9.8	Line 60 Severity A/C Type TECH Status MODIFIED
Highlight T	o Committee Commenter Agrees? 🗸 Editing Complete 🖌
Concern:	(Also line 62).
	The state of the RX_ER signal is not specified. My understanding is that RX_ER signal should probably be deasserted for this indication to be valid.
Solution:	Specify the appropriate state of RX_ER from the set of {asserted, deasserted, don't care}.
Response:	Added text "Note that this data is invalid and will be treated as non-data when a PS_STATUS.indication[frame_violation] is simultaneously indicated."
	PS_STATUS.indication[frame_violation] is defined later as the logical AND of RX_ER with RX_DV and with NOT abort_frame.

Section 9.8 Line 71 Severity A/C Type ED Status MODIFIED

Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓

- **Concern:** Imprecise text lines 71-73.
- Solution: Replace with: "This primitive defines the transfer of data from the MAC to the PCS. This primitive is signaled every byte time. The value of the byte is mapped to the MII signals TX_EN, TX_ER, and TXD0..3 via the Reconciliation Sublayer."

Response: Added "A PS_UNITDATA.request is synchronous to the MII TX_CLK rising edge."

Section 9.8 Line 75 Severity DIS Type TECH Status MODIFIED

Highlight To Committee Commenter Agrees? C Editing Complete

- **Concern:** This is a case of the RS being poorly described. Other portions of the document describe the requirement for conveying an in frame non-data symbol resulting from a code violation (e.g., PS_STATUS.indication), but it is not covered in the primitive. What does the RS present to the MAC when the RX_ER signal is asserted? What happens if an RX_DV deassertion delimits an odd number of nibbles?
- Solution: I believe RX_ER & RX_DV should convey a Non_data_byte (add to the list). Though I didn't look for it in the MAC description, I assume this would have the same effect as the now unnecessary PS_STATUS.indication(Frame_violation) causing MAC detection of an invalid CRC. If accepted, corresponding changes would be necessary in PS_CONTROL.request(Abort_frame) and PS_UNITDATA.request. Alternatively, better define the relationship between the signalling of a non-data on the secondary path (STATUS and CONTROL), what is conveyed on UNITDATA and the required timing relationship between the two path. An odd number of nibbles is more difficult. FDDI specified the MAC as symbol (nibble) wide with checking for an even number of symbols in the MAC. Ethernet has a bit serial MAC specification for all speeds of operation covering the problem with a MAC test for non-integer number of octets. The byte wide 802.5t MAC interface, requires interaction of the RS and an elastic buffer (even in DTR since the 4b/5b code can produce a JK code pair on either nibble boundary and noise can change the boundary).

If signalling over the UNITDATA path is added, and as appropriate for the MAC definition of error handling, either report a Non_data_byte for the odd nibble, delaying the End_stream_delimiter and consequently consuming an I code; or report the Non_data_byte and not report an end_stream_delimiter adding an I code in the elastic buffer. If the awkward CONTROL and STATUS signalling of violations is preserved, a similar specification of how an odd number of bytes is signalled must be added.

Response: (Also see response to BG-29)

Added text:

"Note that this data is invalid and will be treated as non-data when a PS_STATUS.indication[frame_violation] is simultaneously indicated."

PS_STATUS.indication[frame_violation] is defined later as the logical AND of RX_ER with RX_DV and with NOT abort_frame.

Also added "Non_octet_end_stream_delimiter"

This is defined:-

"Non_octet_end_stream_delimiter indicates to the MAC that the stream ended but not on a data_octet boundary. A non_octet_end_stream_delimiter may only follow a data_octet or start_stream_delimiter. A non_octet_end_stream_delimiter is only indicated when RX_DV is asserted only for a single nibble period followed by deassertion of RX_DV."

Commen	t BG-17	
Section 9.8	Line 83 Severity A/C Type ED Status ACCEPTED	
Highlight T	o Committee Commenter Agrees? Editing Complete ✔	
Concern:	Imprecise text.	
Solution:	Change second sentence to read: "This causes assertion"	
Response:	Done	
Commen	t BG-18	
Section 9.8	Line 84 Severity A/C Type TECH Status ACCEPTED	
Highlight T	o Committee Commenter Agrees? Editing Complete ✔	
Concern:	The text indicates it is optional ("should") to transmit the Ethernet SFD pattern on TXD to be later replaced by the JK start stream delimiter. Either it is required or unnecessary, I think the latter.	
Solution:	Remove the last sentence of the paragraph. (Unless there is a reason it must be there that I can't think of, then "should" changes to "shall".)	
	Sentence removed. New sentence added to clarify. "The value presented on TXD03 during these two nibble periods is not defined and is ignored by the PSC."	

Section 9.8 Line 94	Severity A/C	Type TECH	Status	MODIFIED
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- Highlight To Committee Commenter Agrees? Editing Complete
- **Concern:** As written, the timing requirements of the transmit pipeline are ambiguous.
- Solution: The paragraph must be rewritten to clearly specify that End_stream_delimiter causes TX_EN to be deasserted at the end of the last Data_byte period.

Response: End stream delimiter definition clarified with the text
 "An End_stream_delimiter can only follow a start_stream_delimiter or a
 complete data_octet indicator."
 A data_octet indicator can only be generated after a COMPLETE octet has been
 transmitted.

Comment WT-01

Section 9.8 Line 103 Severity A/C Type TECH Status MODIFIED

- Highlight To Committee Commenter Agrees? C Editing Complete
- **Concern:** The way Frame_violation is specified, it will always happen just before an Abort_frame is signaled. Is this intended?
- Solution: If Frame_violation isn't supposed to be signaled before Abort_frame, change the Frame_violation definition to be "the logical AND of RX_ER with RX_DV for less than two consecutive indications".
- **Response:** Added text after the Frame_violation definition: "Note that in generating the Frame_violation indication, a pipeline delay is required to ensure that the assertion of RX_ER does not form part of an Abort_frame indication."

17-Nov-98

Section 9.8 Line 122 Severity A/C Type ED Status ACCEPTED

Highlight To Committee Commenter Agrees? Editing Complete

- **Concern:** The use of 802.3 subclause references is dangerous since subclauses are occasionally renumbered by subsequent projects. This happened to portions of clause 22 with the approval of 802.3z. (I didn't find any bad references in 802.5t though I didn't review the entire document.)
- Solution: Though of less help to the reader when references are current, it is better to only reference the clause and where precision is required the topic (e.g., Control register). This is also a problem in other places (e.g., 9.8-4 / 139, 9.8-5 / 141, 148).

Response: Done

Comment BG-21

Section 9.8 Line 123 Severity DIS Type TECH Status MODIFIED

Highlight To Committee Commenter Agrees? V Editing Complete V

- **Concern:** The last line of the table is out of date. Bit 0.6 is defined by 802.3z.
- **Solution:** Add line to table for bit 0.6 with value of 0, change last line of table to 0.5:0 0.
- **Response:** Change made as described except that 0.6 entry is explicitly made conditional on FxMR=2 as is bit 0.13. (For other ring speeds 4 and 16 the bits are undefined.) In fact there is another mistake here because FSHMRO should actually be FxMR through this subclause and FSANO should be FxANO.

Comment RJK-01

Section 9.8 Line 123 Severity DIS Type TECH Status MODIFIED

- Highlight To Committee Commenter Agrees? V Editing Complete
- Concern: FSHMRO isn't a defined flag name. FSMRO is the actual flag name, but anyhow what we want here is FSMR.
- **Solution:** Replace FSHMRO with FSMR.
- **Response:** FSMHRO should be FSMR, however the flags should refer to both station and C-port, so should be written FxMR.

Section 9.8 Line 135 Severity DIS Type TECH Status MODIFIED

Highlight To Committee Commenter Agrees? V Editing Complete V

Concern: Another instance of the poor specification of the RS. The MAC does not drive MII signals, this is done by the RS. Of greater significance, is the content and lack of content in the paragraph. What is to be signalled on the TX MII for Fill and No_Fill and how is normal operation specified by Transmit_mode. Also, what is signalled on PS_UNITDATA.indication when in Repeat. Basically, it isn't clear if Repeat is a loopback of MAC TX to MAC RX or a bypass of MAC with PHY RX repeated to PHY TX, and it would be clear if compeltely specified.

Solution: Properly underscore Transmit_mode in line 126.

Clearly specify what is signalled to the TX MII and PS_UNITDATA.indication for all modes, and which mode is intended for normal operation. Properly describe the interface in terms of the MAC, RS and PSC.

Response: Underscore inserted.

I have changed the repeat description to state explicitly the direction in which the MII repeat path takes, "the received MII signals RX_DV, RX_ER and RXD 3..0 from the PSC should be retransmitted back to the PSC unchanged on the transmit MII signals TX_EN, TX_ER and TXD 3..0 respectively"

Also clarified the difference between Fill and No_Fill, both of which are used during normal operation as specified by the MAC.

"When Transmit_mode is Fill then TX_EN should be deasserted. The values driven on TX_ER and TXD3..0 during Fill are not defined. When Transmit_mode is No_fill then the transmit MII signals are driven by the MAC through the reconciliation sublayer as defined by the PS_UNITDATA.request [Tx_indicator] primitive."

Comment BG-23

Section 9.8 Line 147 Severity A/C Type TECH Status ACCEPTED

Highlight To Committee Commenter Agrees? Editing Complete 🗸

Concern: The text is misleading as defined for MII operation.

Solution: It should be clearly stated that this bit is only effective if bit 0.12 is reset to zero. If 0.12 is set, auto-negotiation determines speed based on capability bits.

Response: Done

Section 9.8 Line 155 Severity DIS Type TECH Status MODIFIED

Highlight To Committee Commenter Agrees? V Editing Complete

Concern: I cannot determine where NRZ is converted to NRZI and possibly then to MLT-3 within the 802.5t architectural model. This is complicated by inaccuracies in subsequent sections where it says the primitives map to the FDDI PM_ service primitives. The FDDI architecture uses NRZ symbols between MAC and PHY :

> "PH_UNITDATA.request ... The symbol specified by PH_Request (symbol) shall be one of the following: J, K, T, R, S, I, n, H and optionally Q or V, where n is any of the 16 data symbols specified in Table 1." [PHY 3.1.1.1]

and a serial NRZI encoded bit stream between PHY and PMD or TP-PMD.

"PM_UNITDATA.request This primitive defines the transfer of encoded NRZI data from PHY to TP_PMD." [TP-PMD 6.1.1]

- Solution: The 802.5t primitives need to be clear in what kind of 5-bit datum they use, I assume NRZ. The PMC behavior then needs to be clear on its actions (e.g., NRZI or not).
- Response: (See response to BG-12)

The PM_UNITDATA primitives have been redefined as NRZI_bits which correspond to the PMD:PHY interface of the FDDI specification.

We need to ensure that the 802.3u subclause is referenced which explains the NRZI to NRZ conversions necessary for the two different FDDI PHYs.

Comment BG-24

Section 9.8 Line 158 Severity A/C Type ED Status MODIFIED
Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓
Concern: Symbol is used as in FDDI.
Solution: Be consistent in what a 5-bit coded thing is. Elsewhere called a nibble.
Response: See BG-25.

Comment RF-10

Section 9.8 Line 158 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? Editing Complete Concern: deserialised Solution: deserialized Response: Done

Comment	RF-11				
Section 9.8	Line 164	Severity A/C	Type ED	Status	ACCEPTED
Highlight To	Committee	Commenter Agre	es?	Editing Co	mplete 🗸
Concern: s	erialised				
Solution: s	erialized				
Response: D	one				

Section 9.8 Line 193 Severity DIS Type TECH Status MODIFIED

Highlight To Committee Commenter Agrees?

- Concern: As noted in comment 25 (see BG-25), the 802.5 interfaces do not properly describe the FDDI interfaces. The 802.5t PM_ service primitives are clearly not a subset of the FDDI PM_ service primitives.
- Solution: Correct the text, the FDDI model defines a serial NRZI bit stream between PHY and PMDs, while 9.8.1.1.5-6 define a 5-bit coded "symbol" as the datum of transfer. Either change the text to minimize the similarity to the FDDI PM_

primitives, or use the PH_UNITDATA primitives of similar width, though the location of NRZI must be clear to properly link. If the former, the request primitive needs serialization, and NRZI encoding to be like the FDDI PM_ primitives. If the latter, then PHY should be added to the normative references.

Response: (See response to BG-12)

The PM_UNITDATA primitives have been redefined as NRZI_bits which correspond to the PMD:PHY interface of the FDDI specification.

Comment JC-01

Section 9.8 Line 195 Severity A/C Type ED Status ACCEPTED

Highlight To Committee Commenter Agrees? Editing Complete ✓

- **Concern:** The term FDDI is used. Is this ever defined specifically in either the abbreviations or the References?
- Solution: Define clearly what you mean by FDDI and reference the standard or set of standards.
- **Response:** Added FDDI to the Abbreviations in 1.5 The FDDI standard is already present in the Normative References (1.2)

Comment RJK-02

 Section 9.8
 Line 202
 Severity DIS
 Type
 TECH
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 ✓
 Editing Complete
 ✓

Concern: Max frame sizes in Table 9.8-4 are not comparable. FDDI frame size includes 4-symbol preamble and does not include IFG.

Solution: Add a footnote to clarify that they are not exact equivalents.

Response:

17-Nov-98

Comment BG-27 Section 9.8 Line 202 Severity DIS Type TECH Status ACCEPTED Commenter Agrees? Editing Complete Highlight To Committee Concern: (See also 13.9, line 27) It is not appropriate to define the PHY Service Data Unit (SDU) as a frame. The use of "stream" within 802.3 already strains the mapping, "frame" stretches it beyond the breaking point. The PM_UNITDATA primitives are also not equilivent. FDDI's datum is a bit while the mapping is to a 5-bit Xx_symbol. "The MAC SDU is the data contents of a frame. The PHY SDU is a symbol." (FDDI MAC 2.2) I don't understand why nibble was introduced and code-group was not appropriate for 802.5. If retained, a nibble can be either 4 or 5 bytes and should be defined as such. "Stream" is used in other part of this clause, so use it. The FDDI PH_UNITDATA Solution: primitives are of similar width to the PM_UNITDATA, though the location of NRZI must be clear to properly link. Use

Response: Done.

Comment JA-03

- Section 9.8 Line 210 Severity A/C Type TECH Status ACCEPTED
- Highlight To Committee Commenter Agrees? Editing Complete 🗸

code-group instead of nibble.

Concern: 18,200 octets is not consistent with table 9.8-4 entry.

Note: When reviewing also saw 18,200 octets somewhere else.

Solution:

Response: Changed 18200 to 18207.

Also added a footnote: "Note that the definition of Frame Size for [TP-PMD] is different from that for [802.5]. These are not exact equivalents."

Comment RF-12

Section 9.8	Line 246	Severity A/C	Type ED	Status	ACCEPTED
Highlight To (Committee	Commenter Agre	es?	Editing Co	mplete 🗸

Concern: in each impedance

Solution: in each

Response: Done

Comment JA-04
Section 9.8 Line 246 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? Editing Complete Image: Complete Im
Concern: Redundant word "impedance"
Solution:
Response: Done
Comment JA-05
Section 9.8 Line 252 Severity A/C Type ED Status ACCEPTED
Highlight To Committee Commenter Agrees? Editing Complete
Concern: Redundant word "impedance"
Solution:
Response: Done
Comment RF-13
Section 9.8 Line 252 Severity A/C Type ED Status ACCEPTED
Highlight To Committee Commenter Agrees? Editing Complete
Concern: in each impedance impedance
Solution: in each impedance
Response: Done
Comment RF-14
Section 9.8 Line 269 Severity A/C Type ED Status ACCEPTED
Highlight To Committee Commenter Agrees? Editing Complete ✔
Concern: comply with depicted
Solution: comply with those depicted
Response: Done

Comment BG-28 Section 13.9 Line 18 Severity DIS Type TECH Status MODIFIED Highlight To Committee Commenter Agrees? ✓ Editing Complete Concern: As noted in comment 25 (see BG-25), the 802.5 interfaces do not properly describe the FDDI interfaces. The 802.5t PM_ service primitives are clearly not a subset of the FDDI PM_ service primitives. Solution: Correct the text, the FDDI model defines a serial NRZI bit stream between PHY and PMDs, while 9.8.1.1.5-6 define a 5-bit coded "symbol" as the datum of transfer. Either change the text to minimize the similarity to the FDDI PM_

primitives, or use the PH_UNITDATA primitives of similarity to the FDDI PM_ primitives, or use the PH_UNITDATA primitives of similar width, though the location of NRZI must be clear to properly link. If the former, the request primitive needs serialization, and NRZI encoding to be like the FDDI PM_ primitives. If the latter, then PHY should be added to the normative references.

Response: (See response to BG-12)

The PM_UNITDATA primitives have been redefined as NRZI_bits which correspond to the PMD:PHY interface of the FDDI specification.

Section 14.2 Line 46 Severity DIS Type TECH Status ACCEPTED

Highlight To Committee Commenter Agrees? Editing Complete

- Concern: Though the End Transmit field is acceptable for TXI operation, it is not robust enough for TPK usage. It is much less robust than the E bit in 4 and 16 Mb/s encoding, where common errors were expected to produce an invalid code. This is particularly true of the 4b5b/NRZI encoding where the most common error (and edge shift) will often produce another data code.
- Solution: With little knowledge beyond document content of the committee members intent to later add TPK operation for 100 Mb/s, it is difficult to justify a change for something out of the scope of the PAR. So, if my comment #7 (BG-07) is accepted, no change is necessary for this comment.

If High Media Rate PK operation is wanted, now is the time to do it right with a more robust E bit. (The FDDI frame status model is directly applicable to 802.5, but then the FDDI S symbol is not used by 100BASE-X. A similar paradox exists for use of the 1000BASE-X PCS, in that there are plenty of code points available, but again, no equivilent defined for the S symbol.)

Response: As per BG-07, all specifications for TKP Access protocol operation have been removed from the document as follows.

- 1.
- Subclause 9.1, Page 9.1-9, line 307: deleted "TK_AC, ". Subclause 9.1, Page 9.1-9, deleted lines 309 through 317. 2.
- 3. Subclause 9.1, Page 9.3-37, the definition of TK_AC has been changed as follows.
 - a. Added "<< 4 Mbit/s and 16 Mbit/s only >>" in the Event/Condition Term column.
 - b. Changed meaning of term column to: "A Token is received that meets the criteria specified in 4.3.1. (by deleting " for 4 Mbit/s and 16 Mbit/s and in 9.1.1.6 for the High Media Rate.").
- 4. Subclause 14.1, page 14-1, lines 13 and 14 have been deleted.
- 5.
- Subclause 14.1.3, Page 14-2, lines 32 through 36 have been deleted. Subclause 14.1.4, page 14-2, line 37 has been renumbered to 14.1.3. 6.
- 7. Subclause 14.2.1.1, Page 14-3, lines 46 through 68 have been deleted.
- 8. Subclause 14.2.1.1.2, page 14-4, line 69 has been renumbered and changed to the following.
- 14.2.1.1 End Transmit (ET) for Frame Sequence using TXI Access protocol
- Subclause 14.2.1.1.2.1, page 14-4, line 72 has been renumbered to 9. 14.2.1.1.1.
- 10. Subclause 14.2.1.1.3, page 14-4, lines 79 through 88 have been deleted.

Comment NAJ-07

Section 14.3 Severity A/C Type ED Status ACCEPTED Line 145 Highlight To Committee Commenter Agrees? Editing Complete Concern: Table 14-2, Last line Unnecessary blank line. Solution: Delete line

Response: Done

Comment NAJ-08

Section 14	.3 Line 153	Severity A/C	Type ED	Status	ACCEPTED
Highlight 1	To Committee	Commenter Agre	ees? 🗸 🛛 E	Editing Co	mplete 🗸
Concern:	Table 14-3,	Last line			
	Unnecessary	blank line.			
Solution:	Delete line				

Response: Done.

Comment KD-07

Section A	Line 0	Severity Q	Type ED	Status	ACCEPTED
Highlight To	Committee	Commenter Agr	ees? ✔	Editing Co	mplete 🗸

Concern: Does the replacement Annex A replace the annex as it appears in both 8802-5 and Amd. 1? Presumably it does, but this should be made clear in the draft.

Solution:

Response: Yes the annex replaces both Annex A in the base and Amd. 1. With the new annex AA and a change to the document headers, I believe this is now clear.

Comment NAJ-05

Section A	Line 126	Severity A/C	Type ED	Status	ACCEPTED
Highlight To	Committee	Commenter Agre	es?√	Editing Co	mplete 🗸

Concern: Table A.5.5.3, Item FPRPTO_0

Entry is optional with predicate, so support column should be "N/A [] Yes [] No []".

Solution: Fix support column text to read "N/A [] Yes [] No []".

Response: Done

Comment NAJ-01

Section A	Line 172	Severity DIS	Type ED	Status	ACCEPTED
Highlight	To Committee	Commenter Agr	ees? 🗸	Editing Co	mplete 🖌
Concern:	Table A.7.3.4	, Item PRA1			
	The reference	for this ite	m is TBD		
Solution:	Reference sho	ould be 8.3			
Response	Done				

Comment NAJ-02 Section A Line 174 Severity DIS Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: Table A.7.3.5, Item PRA3 The reference for this item is TBD Solution: Reference should be 8.3.1 Response: Done

Comment NAJ-04

Section A Line 174 Severity A/C Type ED Status REJECTED
Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓
Concern: Table A.7.3.5, Item PRA2
Entry in Support column is missing a ']'.
Solution: Fix text to read "N/A [] Yes [] No []".
Response: Printing problem...

Comment NAJ-03

Section A Line 176 Severity DIS Type ED Status ACCEPTED
Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓
Concern: Table A.7.3.6, Item PRA4
The reference for this item is TBD
Solution: Reference should be 13.7.2.2
Response: Done

Comment NAJ-06

Section K	Line 12	Severity A/C	Type ED	Status	ACCEPTED
Highlight T	o Committee	Commenter Agre	es?✔ E	Editing Cor	nplete 🗸
Concern:	9	t text for the 11 from "IEEE			2
Solution:	Text should r	ead "IEEE Std	802.3x Fu	ll Duplex	PAUSE operation"
Response:	Done.				

Comment JC-03

Section M	Line 0	Severity A/C	Type ED	Status	MODIFIED

Highlight To Committee Commenter Agrees? ✓ Editing Complete

- Concern: The clause from 802.5a:1998 is replaced in its entirety. It is not clear what sections of the protocol actually changed due to the new PHY and which sections of the protocol remained the same. Since this document will be published as a supplement, it is important that readers understand the major differences between clause 9 in ISO/IEC 8802-5:1998/Amd.1:1998 and clause 9 in 802.5t update.
- **Solution:** Place a summary at the top of Page 9-1 indicating the major items in 802.5a that have changed in 802.5t so the implementer of 802.5a is aware of these.
- **Response:** The changes made to annex M were required because of the changes made to the 9.3 Station Operation Tables.

Also, see comments JC-02 and HF-04.

Annex AA has been written to explain what has been changed rather than putting at the top of page 9-1.

Comment JC-04

 Section N
 Line 0
 Severity A/C
 Type
 ED
 Status
 MODIFIED

 Highlight To Committee
 Commenter Agrees?
 ✓
 Editing Complete

- **Concern:** The clause from 802.5a:1998 is replaced in its entirety. It is not clear what sections of the protocol actually changed due to the new PHY and which sections of the protocol remained the same. Since this document will be published as a supplement, it is important that readers understand the major differences between clause 9 in 802.5a and clause 9 in 802.5t update.
- **Solution:** Place a summary at the top of Page 9-1 indicating the major items in 802.5a that have changed in 802.5t so the implementer of 802.5a is aware of these.
- **Response:** Also see comments JC-02, JC-03 and HF-04.

Annex AA has been written to explain what has been changed rather than putting at the top of page 9-1.

Jim has brought up a valid point -- nothing was changed in annex N except that "4 Mbit/s and 16 Mbit/s" was added to the title.

1. Annex N be changed to the following.

Change the title of Annex N to the following:

Annex N

(Informative)

C-Port in Port Mode using the TKP Access Protocol--Transmit and Monitor Low Level FSMs--4 Mbit/s and 16 Mbit/s

<< End of Annex N change >>

 Also, Annex Q and R, not previously released but having the same problem as Annex N (limited to 4 Mbit/s and 16 Mbit/s operation), will be included using the concept presented in item 1. above.

Comment RF-105

Section T Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓ Concern: [Page T-8, Entry '2202'] Classic Station Detected>> Solution: Classic Station Detected.>> Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-108

Section TLine 0Severity A/CTypeEDStatusACCEPTEDHighlight To CommitteeCommenter Agrees?Editing Complete

Concern: [Page T-8, Entry '2207'] path not detected>>

Solution: path not detected.>>

Response: Done. See RF-18 for explanation of how this was handled.

Comment JC-05

Section T	Line 0	Severity A/C	Type ED	Status	REJECTED

Highlight To Committee Commenter Agrees? ✓ Editing Complete

- **Concern:** This annex appears to have nothing to do with higher speed token ring. Why is it being changed.
- Solution: The replacement for Annex T should be done in a new Project, such as a maintenance supplement or a revision. Does the PAR scope encompass correction of errors in the current standards?
- **Response:** The changes required in annex T were to prevent it from operating at any speed other than 4 Mbit/s or 16 Mbit/s. This caused the Operation Tables to be updated. Thus, replacement was required.

Further, the explanation of the Autodetect function was so unclear that only those implementing this architecture from the beginning could understand. Thus, clarification were made to the prose and the overview figure.

Annex AA has been written to explain what has been changed.

Comment RF-106

 Section T
 Line 0
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete
 Editing Complete

Concern: [Page T-8, Entry '2202'] 9.3 Join FSM>>

Solution: 9.3 Join FSM.>>

Response: Done. See RF-18 for explanation of how this was handled.

Comment RF-107 Section T Line 0 Severity A/C Type ED Status ACCEPTED Highlight To Committee Commenter Agrees? Editing Complete **Concern:** [Page T-8, Entry '2205'] a short) Solution: a short.>> Response: Done. See RF-18 for explanation of how this was handled. **Comment RF-109** Section T Line 179 Severity A/C Type ED Status REJECTED Commenter Agrees? Highlight To Committee Editing Complete ; means: 'and'. Concern: Solution: & means: 'and'. Response: In the action column, the semicolon (;) is used to mean "and", thus this definition is correct.

Rationale for using the ";" in the event column was developed years ago to allow easy differentiation between an event and an action when reading the Operation Tables.

Comment KTW-06

Section T.1 Line 31 Severity A/C Type ED Status ACCEPTED

- Highlight To Committee Commenter Agrees? 🗸 Editing Complete 🖌
- **Concern:** It is incorrect to say 3, 4 and 10 define frames since only clauses 3 and 10 define frames.
- Solution: Change "3, 4 and 10" to "3 and 10".

Response: Done.

Comment JC-06

Section VLine 16Severity QTypeTECHStatusANSWEREDHighlight To CommitteeCommenter Agrees?Editing CompleteImage: Commenter Agrees?

Concern: Why should not the C bit be set, since the frame was copied?

Solution:

Response: When the frame is "copied", it is due to an inexact match. As the fourth paragraph in Annex V states, the frame must later be re-examined to discard any frame copied because its hash function equalled the hash function of a wanted address. "later" is the key word here.

The A and C bit setting logic has to be very close to the wire, and the exact matching logic which examines the frame "later" cannot feed its decision back in time to set the A and C bits correctly.

So implementations can either always set the C bit (which will include frames that are later discarded), or never set the C bit, which will include frames that we really did copy. Neither is ideal, but the decision was made to never set the C bit.

Comment RF-110

Section W	Line 7	Severity A/C	Type ED	Status	ACCEPTED
Highlight To	Committee	Commenter Agre	es?	Editing Co	mplete 🗸

Concern: some functionalit

Solution: some functionality

Response: This is correct in the Word97 doc file. In the printing of future drafts, this will be corrected by using the correct print drivers.

Comment RF-111

 Section W
 Line 48
 Severity A/C
 Type
 ED
 Status
 ACCEPTED

 Highlight To Committee
 Commenter Agrees?
 Editing Complete ✔

 Concern:
 exist these timers

Solution: exist, the timers

Response: done.

Section W Line 52 Severity DIS Type TECH Status MODIFIED

Highlight To Committee Commenter Agrees? V Editing Complete V

- **Concern:** This is the only location where I found the need for an elasticity buffer defined. The definition of a byte-wide MAC interface creates an EB like problem as described in my comment 13. Something similar to an EB must be defined even for TXI operation. Byte alignment cannot be established until a JK is received. Prior to that, the MAC is to be supplied Fill. Since the JK can initially occur on either nibble boundary, either the interval between bytes transfered to the MAC must be changed, or a small EB is required. A JK can also be created by errors in transmission. The lower level hardware will realaign to the JK and report Ethernet code-words (FDDI symbols) across the MII.
- Solution: Properly describe how changes in byte alignment are handled, whether through an EB also present in TXI operation, or through clock cycle elongation in adapting to a byte-wide MAC interface.
- **Response:** There is no need for an elasticity buffer as described here and in comment BG-13. The idle indications to the MAC are provided on nibble boundaries. Data byte indications are provided on octet boundaries. Octet alignment is established on detection of the /J/K/.

An elastic buffer is needed with the RMII interface because the TX and RX domains share the same clock and we are aligning a 2 bit data stream to a nibble wide interface.

Comment BG-30

Section Z Line 0 Severity DIS Type TECH S	Status ACCEPTED
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- Highlight To Committee Commenter Agrees? ✓ Editing Complete ✓
- **Concern:** If the use of Auto-negotiation is under study how can any of this annex be normative? The difficulties described are not with the 802.3 standard but the hardware implementations of auto-negotiation resolution.
- Solution: The Annex should be informative.

Response: Done.

Comment BG-31

Section Z.1 Line 13 Severity DIS Type TECH Status ACCEPTED

Highlight To Committee Commenter Agrees? V Editing Complete V

Concern: 802.5 cannot change 802.3. It can specify differences from 802.3 but not changes to it.

Solution: Correct the titles to "Differences from"

Change line 16 to read: "The following selector field definition is used for IEEE 802.5 high speed operation."

Change lines 19 and 22 to read: "The use of the technology field is reserved for future use in 802.5 applications."

Response: Done.



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100 Mbit/s Dedicated Token Ring Operation 802.5t/LMSC (D2.4): Comment Summary

						Total	To Be Closed
	ED	TECH	Total A/C Comments:	161	OPEN	0	0
A/C	153	8	Total DIS Comments:	35	ACCEPTED	156	0
DIS	8	27	Total Q Comments:	4	MODIFIED	9	5
Q	2	2	Total Comments:	200	REJECTED	32	2
					ANSWERED	3	0
					WITHDRAWN	0	0

Comment IDs by Type. Bold IDs require closure.

A/C Comment IDs:	KD-06 GM-08 KD-01 KD-05 BG-03 WB-01 DWW-01 BG-01 KD-03 KD-02 BG-04 GM-06 GM- 07 RJK-03 BG-05 KD-04 JC-02 KTW-01 KTW-02 KTW-03 KTW-04 KTW-05 RF-01 RF-02 RF-03 RF-04 RF-05 RF-06 SAV-01 RF-21 RF-22 RF-20 RF-19 RF-18 RF-16 RF-17 RF- 15 RF-07 SJH-03 SAV-02 RF-40 RF-41 RF-42 RF-43 RF-51 RF-44 RF-49 RF-46 RF- 47 RF-48 RF-39 RF-50 RF-29 RF-45 RF-38 RF-36 RF-34 RF-33 RF-32 RF-30 RF-28 RF-27 RF-26 RF-25 RF-24 RF-52 RF-37 RF-31 RF-92 RF-80 RF-81 RF-82 RF-83 RF- 84 RF-85 RF-86 RF-87 RF-88 RF-89 RF-79 RF-91 RF-101 RF-93 RF-94 RF-95 RF-96 RF-97 RF-98 RF-99 RF-100 RF-53 RF-102 RF-35 RF-90 RF-60 RF-67 RF-66 RF-65 RF-64 RF-63 RF-68 RF-61 RF-55 RF-59 RF-58 RF-57 RF-56 RF-54 RF-78 RF-62 RF- 70 RF-76 RF-77 RF-75 RF-74 RF-73 RF-71 RF-69 RF-72 RF-23 RF-08 RF-09 RF-103 JA-01 JA-02 RF-104 BG-14 WT-02 BG-15 BG-17 BG-18 BG-19 WT-01 BG-20 BG-23 BG- 24 RF-10 RF-11 JC-01 JA-03 RF-12 JA-04 JA-05 RF-13 RF-14 NAJ-07 NAJ-08 NAJ- 05 NAJ-04 NAJ-06 JC-03 JC-04 RF-105 RF-108 JC-05 RF-106 RF-107 RF-109 KTW- 06 RF-110 RF-111
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- DIS Comment IDs: BG-12 BG-07 BG-02 HF-01 HF-03 GM-04 BG-06 SJH-02 SJH-01 BG-11 BG-09 BG-10 BG-13 BG-21 RJK-01 BG-22 BG-25 BG-26 RJK-02 BG-27 BG-28 BG-08 NAJ-01 NAJ-02 NAJ-03 BG-29 BG-30 BG-31 GM-01 HF-02 HF-04 GM-02 GM-10 GM-03 GM-05
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