Cl **00**   *SC* **0**   *P* **12**   *L* **13**   # **80**

Akin, Sami   Volkswagen AG

Comment Type **E**   *Comment Status* **D**   *Editorial - FM*

It seems like 'as' is not added after 'as well' in the sentece "...include general information on 40 Gb/s and 100 Gb/s operation as well 40 Gb/s and 100 Gb/s Physical Layer specifications".

SuggestedRemedy

as well' should be 'as well as'.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **FM**   *SC* **FM**   *P* **13**   *L* **9**   # **65**

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

Comment Type **E**   *Comment Status* **D**   *Editorial - FM*

Amendment order shows .3db should be #3 and .3ck should be #4.

SuggestedRemedy

Change per comment

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **00**   *SC* **0**   *P*   *L*   # **78**

Thompson, Geoff   GraCaSI S.A./Independent

Comment Type **TR**   *Comment Status* **D**   *Half Duplex*

Get rid of the half duplex objective

SuggestedRemedy

Put forth a motion to 802,3 to change the 3rd objective to read: Enable use of the 10BASE-T1S PHY with Clause 99 MAC Merge in full-duplex point-to-point modes.

Proposed Response   *Response Status* **W**

PROPOSED REJECT.
Comment requests no change to the draft.

Task Force to consider proposing to the 802.3 working group to change the 3rd objective to read as follows (changes "modes" to "mode" from suggested remedy):
Enable use of the 10BASE-T1S PHY with Clause 99 MAC Merge in full-duplex point-to-point mode.

Straw poll (to be taken 15 Feb):
I would support the suggested change:
Y:
N:
A:

Cl **90**   *SC* **90**   *P* **16**   *L* **1**   # **74**

Thompson, Geoff   GraCaSI S.A./Independent

Comment Type **TR**   *Comment Status* **D**   *Half Duplex*

Remove the permission and changes for using the TSSI function (currently only allowed for full duplex) in half duplex mode. Either TSSI works in half duplex or it doesn't. I have seen no evidence that limiting half duplex to P2P makes half duplex all better.

SuggestedRemedy

Remove lines 1 through 31 from the draft.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Topic* **Half Duplex**   Page 1 of 3
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   2/14/2022 7:53:49 AM
SORT ORDER: Topic

Cl **90**	*SC* **90.1**	*P* **16**	*L* **8**	# **66**

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

Comment Type **T**   *Comment Status* **D**   *Half Duplex*

Potential technical feasibility, compatibility, and broad market potential issues beyond those envisioned in study group have arisen with the accomodation of half-duplex mode. These were discovered in initial working group ballot and force reconsideration of the 'half duplex' objective. Recommend removing half-duplex text from draft and recommend to 802.3 to delete the objective.

SuggestedRemedy

Remove all edits to clause 90 from the draft (P 16 entirety)
Remove edits to 99.4 and related PICS in 99.5 from the draft, including related PICS (P17 starting at L18, and all of P18)
Change edit to 99.1 as follows:
Remove strikeout of "full-duplex" on L8-9, Delete New sentence on L11 beginning "It is also applicable to half-duplex point-to-point operation... is not specified." so that revised first paragraph of 99.1 as follows (<SO> and <UL> shown):
This clause specifies an optional MAC Merge sublayer <SO>for use<SO><UL>operating in a station<UL> with a pair of full-duplex MACs and a single PHY <UL>connected to<UL><SO>operating at 100 Mb/s or higher on<SO> a point-to-point link.<UL> The clause is applicable to full-duplex operation with 10BASE-T1L (Clause 146) and 10BASE-T1S (Clause 147) PHYs and all PHYs 100Mb/s and above.<UL> The two MACs are:
- a preemptable MAC (pMAC), which carries the preemptable traffic, and
- an express MAC (eMAC), which carries the express traffic."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Accomodated by comments 74-79.
Response to Comments 74-78 makes the same remedies as suggested to the text and comment 79 proposes the TF recommend removing half-duplex from the objectives as in this comment's text.

Cl **99**	*SC* **99.1**	*P* **17**	*L* **8**	# **75**

Thompson, Geoff   GraCaSI S.A./Independent

Comment Type **TR**   *Comment Status* **D**   *Half Duplex*

Remove all the half duplex stuff. The only change needed for the existing text is to change the 100 to 10.

SuggestedRemedy

Change lines 8 through 14 to read: This clause specifies an optional MAC Merge sublayer for use with a pair of full-duplex MACs and a single PHY operating at 100 Mb/s or higher on a point-to-point link. The two MACs are:

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
(commenters proposed remedy would include ALL 10 Mb/s full duplex PHYs, which is beyond the scope of the PAR. It would also delete wording added to clarify aspects of the first sentence not related to half-duplex operation, and these were subjects of required comments)

Remove strikeout of "full-duplex" on L8-9, and delete D2.1 inserted sentence on L11 beginning "It is also applicable to half-duplex point-to-point operation... is not specified.", revising first paragraph of 99.1 to read as follows (see comment 66 for editing strikeouts and underlines relative to the base standard):

This clause specifies an optional MAC Merge sublayer operating in a station with a pair of full-duplex MACs and a single PHY connected to a point-to-point link. The clause is applicable to full-duplex operation with 10BASE-T1L (Clause 146) and 10BASE-T1S (Clause 147) PHYs and all PHYs 100Mb/s and above. The two MACs are:
- a preemptable MAC (pMAC), which carries the preemptable traffic, and
- an express MAC (eMAC), which carries the express traffic."

Cl **99**	*SC* **99.4.5**	*P* **17**	*L* **28**	# **79**

Thompson, Geoff   GraCaSI S.A./Independent

Comment Type **TR**   *Comment Status* **D**   *Half Duplex*

Remove all the half duplex stuff.

SuggestedRemedy

Delete lines 28 – 35

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Delete lines 19-42 on page 17 (beginning with 99.4 header, and including editorial note)

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

Topic **Half Duplex**   Page 2 of 3
2/14/2022 7:53:49 AM

Cl **99**   *SC* **99.4.6**   *P* **17**   *L* **36**   # 76

Thompson, Geoff   GraCaSI S.A./Independent

Comment Type   **TR**   *Comment Status* **D**   *Half Duplex*

Remove all the half duplex stuff.

SuggestedRemedy

Delete lines 36 – 42

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Accomodated by comment 79.
Resolution to comment 79 is ACCEPT IN PRINCIPLE.

Delete lines 19-42 on page 17 (beginning with 99.4 header, and including editorial note)
(note, related PICs are deleted by comment 77)

Cl **99**   *SC* **99**   *P* **18**   *L*   # 77

Thompson, Geoff   GraCaSI S.A./Independent

Comment Type   **TR**   *Comment Status* **D**   *Half Duplex*

Remove PICs from the draft added in by half duplex

SuggestedRemedy

Delete page 18

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Topic* **Half Duplex**   Page 3 of 3
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   2/14/2022 7:53:49 AM
SORT ORDER: Topic