Accredited Standards Committee
X3, Information Processing Systems

> Doc: X3T10.1/96a117r2
> Date: February 27, 1996
> Project: X3T10.1 / 0989D
> Ref Doc.:   SSA-TL1
> Reply to: John Scheible

To: X3T10.1 Membership
From: John Scheible

Subject: <u>X3T10 comment resolution for SSA-TL1 rev 9 (96-009)</u>

Adaptec Comments on SSA-TL1 attached to Yes ballot

ADA-1) The second sentence of paragraph four, section 6.2.9:

When transmission of a UDC character is pending, and an identical UDC character is received by another port, the received character may be discarded.

RESPONSE: Replace paragraph 9 of 11.2.3 with the following:
"The EUDC bit (Enable User Defined Characters) specifies how the port handles User Defined characters. If the EUDC bit is cleared, the port shall not transmit any User Defined characters and shall discard received User Defined characters. If the EUDC bit is set, the port may transmit User Defined characters, and shall forward User Defined characters."

FSI Comments on SSA-TL1 attached to Yes ballot

Gary Stephens faxed the following comment (transcribed by John Lohmeyer): "Due to severe personal events, a proper typed and numbered response was not possible. I will attempt to do so before the March meeting. Copies of marked up pages are included to support the NO vote for now."

I also received multiple faxes containing much of the SSA-TL1 document liberally marked up. I received several duplicate pages and was missing pages 24-28. The vast majority of these comments appear to be editorial in nature. Since there is no sane way to transcribe all of these comments, I've forwarded paper copies to the SSA-TL1 editors. They will incorporate the editorial comments as they see fit. Since Gary was unable to provide documentation on what comments are substantive, I am forced to treat his ballot the same as a "Yes, with comments" ballot. No formal response will be generated for his comments (other than the next revision of SSA-TL1).

RESPONSE: Editorial comments to be considered. No substantive comments identified.

IBM Comments on SSA-TL1 attached to Yes ballot

IBM-1) Last paragraph of section 10.1.2 (Link Status Byte)

Change the first sentence to "The RSN field specifies the RECEIVE SEQUENCE NUMBER for the next Privileged...". It should be next rather than last.

RESPONSE: Accepted.

IBM-2) Third paragraph, second sentence of 9.1.10 (Port Table)

Change the second sentence to "When a CONFIGURE PORT SMS is received, the Port table entry associated the PORT field specified in the CONFIGURE PORT SMS is set as follows.". It should use the PORT field rather than the port the CONFIGURE PORT SMS was received on.

RESPONSE: Accepted. Also change bullet b) from
"The PORT field from the received CONFIGURE PORT SMS is loaded into the AA PORT field."
to
"The port number the CONFIGURE PORT SMS was received on is loaded into the AA PORT field."

IBM-3) The MAA PORT field in Table 14 (Master Asynchronous Alert table entry)

Change the Description of MAA PORT to "A one byte value indicating the Master's port number used to send the ASYNC REPLY SMS.". It is a one byte value not seven bits, and the term associated was vague.

RESPONSE: Accepted.

Milligan (Seagate) Comments on SSA-TL1 attached to Yes ballot

SEA-1) The patent statement has been useful information for the committee participants. However now that the SSA-TL1 is being forwarded, the patent statement should be replaced with the standard X3 patent statement for the case where patent claims have been made and offered in accordance with the ANSI patent policy. In particular the specific citing of claims should be removed.

I recognize that X3T11 has left such statements in some of their forwarded standards. But this is inappropriate since the committee should not take any position on the validity of the claims made.

RESPONSE: Accepted.

SEA-2) Based upon the definition of SSA-TL2 (which contains a grammatical error) in Clause 1.2, SSA-TL2 should be deleted from the Clause 2 normative references and moved to an informative reference section.

RESPONSE: Accepted as modified, fix grammar, remove SSA-TL2 reference from clause 2, add editors note stating that the clause 2 would be adjusted at time of publication

SEA-3) Based upon the definition of SSA-TL1 in Clause 1.2, SSA-S3P and SSA-PH2 should be deleted from the Clause 2 normative references and moved to an informative reference section.

RESPONSE: Accepted as modified, add editors note stating that the clause 2 would be adjusted at time of publication, and delete SSA-S3P reference.

Symbios Logic Comments on SSA-TL1 attached to Yes ballot

This is a collection of comments for SSA-TL1. They are considered editorial by us.

SYM-1) Change 3.1.8 destination node: The node where a frame is addressed.
to 3.1.8 destination node: The node to which a frame is addressed.

RESPONSE: Accepted as modified, "3.1.8 Destination node: The node where the frame arrives with a path component of 00h." This avoids the word which and is more definitive.

SYM-2) Section 9.1.3.1, paragraph 1, element a):
The operational flag is not cleared while in Disabled State. The operational flag is only cleared on failed ERP, or after Total/Absolute Reset, or after POST.

RESPONSE: Accepted. The Total/Absolute Reset section will clear the OPERATIONAL FLAG, and it will be removed from the Disabled state.

SYM-3) Section 9.1.3.1, paragraph 5:
The link reset received flag being cleared should be added to the list in paragraph 1 of this section.

RESPONSE: Accepted.

SYM-4)Section 9.1.3.2, paragraph 2:
  (see 9.5) should be (see 9.3).

  RESPONSE: Accepted.

SYM-5)Section 9.1.4.3, paragraph 1:
  Sentence 2 should be deleted. In wrap mode, no data is actually communicated so half duplex does
  not make sense.

  RESPONSE: Accepted.

SYM-6)Section 9.3, paragraph 2:
  In item 5) character should be plural.

  RESPONSE: Accepted.

SYM-7)Section 9.5.1, paragraph 3:
  There are two periods at the end of this sentence.

  RESPONSE: Accepted.

SYM-8)Section 10.1, paragraph 5:
  In item b), the only should be dropped from the end of the sentence.

  RESPONSE: Accepted.

SYM-9)Section 10.1.2, paragraph 7:
  The Receive Sequence Number field described here is incorrect. This should be the same definition
  used earlier (see Section 7.1.3).

  RESPONSE: Accepted. Same as IBM-1).

SYM-10)Section 10.5.1, paragraph 2:
  In item 1), Build an Response should be build a Response.

  RESPONSE: Accepted.

SYM-11)Annex A, in general:
  Annex A has several references to (see 0). I believe these references should point to someplace in
  the standard. Please correct these.

  RESPONSE: Accepted. Changed in 8 places.

SYM-12)Annex A, in general:
  Annex A makes many references to services (TARGET READ, INITIATOR READ, etc.). These are not
  defined in the standard and should be referenced to some standard where they are defined (or they
  need to be defined in this standard).

  RESPONSE: Accepted. Add references to Annex B where the services are described.

SYM-13)Annex A.4, paragraph 1:
  Sentence 1 should read services are intended rather than services in intended.

  RESPONSE: Accepted.

SYM-14)Section 7.5 Data field, 1st paragraph, 3rd sentence
  Was: The contents of the DATA field in Application Frames is defined in 11.3 and by the upper-level
  protocol.
  Change to: The contents of the DATA field in Application SMS's is defined in 11.3.

  RESPONSE: Accepted as modified. Change to "The contents of the DATA field in SSA-TL1
  Application SMS's is defined in 11.3."

SYM-15)Section 8.4 Flow Control, 4th paragraph, 1st sentence
  Was: In full-duplex operation a port could send an Acknowledgment for a received frame or a
  Receiver Ready, if buffer space is available, while it is in the middle of transmitting another frame.
  Change to: In full-duplex operation a port could send an Acknowledgment for a received frame or a

Receiver Ready if buffer space is available, while it is in the middle of transmitting another frame.
Rational: The only edit is to remove the comma before the phrase "if buffer space is available". This is to ensure that this phrase is only associated with the transmission of an RR pair (as ACK transmission does not rely on having buffer space).

RESPONSE: Accepted.

SYM-16)Section 11.2.3 Configure Port SMS, 3rd paragraph, 1st sentence
Was: The PORT field identifies the port that is being configured.
Change to (the same definition as in Section 1.2.1): The PORT field contains an unsigned integer to identify the affected port.

RESPONSE: Accepted.

Comments carried over from SSA-S2P comment resolution

S2P-1) Define Data frame and move the zero length Data frame restriction from S2p to an implementers note in TL1.

RESPONSE: Add a definition and implementer's note as follows:
Following clause 3.1.12, add the following definition.
"3.1.13. **Data frame:** An Application frame with a non-zero Channel componet."

Clause 7.5 (DATA field) after paragraph 3 - Add the following Implementer's note.
Implementer's note 1: Some early implementations of SSA may not properly handle Data frames with a zero length DATA field or an odd-byte length DATA field.

Sincerely,

John Scheible
SSA-TL1 editor
Voice: (512) 823-8208
FAX: (512) 823-0758
Email: Scheible@vnet.ibm.com