Accredited Standards Committee
X3, Information Processing Systems

Doc: X3T10.1/96a115r0
Date: February 7, 1996
Project: X3T10.1/0989D
Ref Doc.: SSA-TL1 rev 9
Reply to: John Scheible

To: X3T10.1 Membership
From: John Scheible

Subject: <u>Editorial comments on rev 9 of SSA-TL1</u>

BACKGROUND

This memo documents the significant editorial changes made between SSA-TL1 revs 9 and 9a. The memo is separated into significant editorial changes, and technical changes (which may require more noting).

PROPOSAL (Editorial changes)

1) Clause 1.1 - remove all non-TL1 or future references.

2) Clause 3 - To clarify, add the following definitions: APPLICATION, Application frame, CONTROL, CONTROL field, Control frame, PRIVILEGED, Privileged frame, RESERVED, Reserved Control frame, Reserved frame, reserved field, reserved field value.

3) Change 3.1.8 (Destination node definiition) from
"**destination node**: The node to which a frame is addressed."
to
  destination node: The node where the frame arrives with an path component of 00h."

4) 6.2.6 (Abort character) - Move the following paragraph into the implementer's note
"If a link error corrupts... should ensure that the ... before sending the ABORT."

5) Change 9.1.1 (Frame buffers) from
"SMSs may have additional dedicated buffers to avoid impacting data transfers due to SMS processing delays"
to an implementer's note
"Implementer's note 5: Additional dedicated buffers are optional for SMSs to avoid impacting data transfers due to SMS processing delays."

6) 9.1.11 (Queued Asynchronous Alert table) last row in Table 11 make
Field "AA FRAME"
Description "A 21 bytes field containing the first 21 bytes of the associated frame's DATA field, left justified and zero filled."

7) 9.1.11 (Queued Asynchronous Alert table) add the following paragraph at the end
A separate Queued Asynchronous Alert table is maintained for each port, containing an entry for each Asynchronous Alert to be reported against that port. The port to be used to report the Asynchronous Alert is found in the Port table (see 9.1.10).

8) Table 14 (Master Asynchronous Alert table) Change MAA PORT field description from
"up to a seven bit value indicating the port associated with the ASYNC REPLY SMS."
to
"A one byte value indicating the Master's port number used to send the ASYNC REPLY SMS."

9) 9.5.2 (Total Reset or Absolute Reset) change list item 3) from
"Other node functions are optionally re-initialized (e.g., the interface processor in a node) by a Total Reset frame."
to
"Other node functions are optionally re-initialized (e.g., the interface processor in a node) by an Absolute Reset frame."

10) 10.4.4 (LINK ERP EXITS...) change the alert code value in bullet 6) from the undefined
"PORTS IN NORMAL MODE"
to
"BOTH PORTS OF A LINK ARE IN NORMAL MODE"

11) 10.4.2 (PORT NOW OPERATIONAL...) change the second sentence of bullet 4 from
"If the Web is now a loop, the Master may instead issue a single MASTER ALERT SMS with an ALERT CODE value of ALL OPERATIONAL PORTS ON ALL NODES IN THE WEB ARE IN NORMAL MODE."
to
"If the Web is now a loop, the Master optionally issues a single MASTER ALERT SMS with an ALERT CODE value of ALL

OPERATIONAL PORTS ON ALL NODES IN THE WEB ARE IN NORMAL MODE in place of the individual Master alerts with an ALERT CODE value of BOTH PORTS OF LINK ARE IN NORMAL MODE."

12) 11.2.14 (Response SMS) Table 45 - The reserved field goes from 05h-FDh, not 03h-FDh.

PROPOSAL (Technical changes)

1) 9.1.10 (Port table) Third paragraph, second sentence change
"When a CONFIGURE PORT SMS is received, the Port table entry associated with the port that the CONFIGURE PORT SMS was received on is set as follows."
to
"When a CONFIGURE PORT SMS is received, the Port table entry associated with the PORT field specified in the CONFIGURE PORT SMS is set as follows."

2) 9.1.10 (Port table) Bullet b) change
"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."

3) 10.1.2 (Link Status Byte) first sentence of second paragraph following Table 18, change
"The RSN field specifies the RECEIVE SEQUENCE NUMBER for the last Privileged, Reserved or Application frame that was acknowledged by the port."
to
"The RSN field specifies the RECEIVE SEQUENCE NUMBER for the next Privileged, Reserved or Application frame that was acknowledged by the port."

4) 11.1.1 (SMS code validation), change the last sentence of bullet 6) from
"A Configutor node shall employ a time-out and may retry the QUERY NODE if no QUERY NODE REPLY is received."
to
"A Configutor node shall employ a time-out to retry the QUERY NODE if no QUERY NODE REPLY is received."

5) Change 11.3 (Application SMS) to delete the last paragraph since it is specified in 11 (note no non-zero pad)
"The sender may pad the SMSs described in the following clauses with any value up to a total SMS length of 32 bytes, and the recipient of the SMS shall ignore the extra bytes."

Sincerely,

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