Accredited Standards Committee
X3, Information Processing Systems

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Ref Doc.: SSA-TL2 rev 1
Reply to: John Scheible

To: X3T10.1 Membership
From: John Scheible

Subject: Changes to SSA-TL2 proposal

BACKGROUND

Several problems have been found in the SSA-TL2 document. The June 1996 X3T10.1 plenary approved this proposal for inclusion in SSA-TL2 rev 2.

PROPOSAL

1) 5 and 11.2.6 disagree regarding whether Configures needs to be Master capable. Change the second third and fourth sentences of the second paragraph after Table 34 from "A value of zero indicates that the node is not capable of functioning as a Master. A value of one is used by a node that is not Master Capable, but wishes to participate in the Healthy Web process. Any value greater than 1 indicates the node's priority for becoming the Master." to:
A value of 000b indicates that the node is a Responder node and is not capable of functioning as a Master. Any value greater than 000b indicates the node's priority for becoming the Master.

2) The psuedo-code for the address field decode of switches contained an error when the first byte contained an 80h. The last statement was to handle this, but a previous statement also incorrectly executed with an 80h.

   8.2.3 - Change 80h case as follows (was deleting and send out selected port)

```
If First byte = OOh then do;     (*** Process the frame internally ***)
       Accept the frame;
       Interpret the remainder of the ADDRESS field as a Channel component;
     end;
else if (First byte.Index > Ports)
     then do;     (*** Decrement and route out paired port ***)
       First byte.Index = First byte.Index - (Ports + 1);
       Forward the frame via other port of pair;
     end;
     else if ((Input port = First byte.Index) or (First byte.Extend = Ob)
             or (First byte = 80h)) then Reject the frame
          else do;     (*** Delete and route out selected port ***)
            Output port = First byte.Index;
            Delete First byte;
            Forward the frame via Output port;
          end;
```

3) 9.1.12 - The Master Asynchronous Alert Address table is redundant if 9.1.12 (Asynchronous Alert Table) is supported. Replace 9.1.12 paragraph 2 with 9.2.2 paragraph 2, delete 9.2.2, verify the field names change to AA globally.

4) 9.4.2 (Dual speed negotiation) - Ready state is used when it should be Enabled state. Change numbers 2) 4) 6) and 8) to:
If character synchronization is achieved the port enters the Enabled state changing the DIS characters

to FLAG characters. A control frame may now be forwarded. Then if a FLAG character is decoded prior to the timer expiring, the port enters the Ready state and exits the Speed Negotiation process.

5) 9.4.2 (Dual speed negotiation) - The speed of the receiver is not indicated. Change numbers 1) 3) 5) and 7) to:
"Set the transmitter and receiver to operate..."

6) Figure 15 after 9.1.3 - Add a new arrow set from Enabled state to Disabled state labelled "Speed Negotiation process".

Sincerely,

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