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To: T10 Technical Committee  
 From: Bill Galloway  
 Subj: SAS Hash Transport Checking

This error is so unlikely to occur that it does not justify complicating the link layer to parse the frame to check the hashed values.

**7.13.6.3.2 Transition SSP\_FR1:SSP\_RF2 (Frame\_rcv:Accepted\_frame)**

The SSP\_FR1:SSP\_FR2 transition shall occur after the frame\_rcv state determines the received frame shall be accepted.

A frame shall be accepted if:

- a) the last parameter received from the rcv\_credit\_monitor state was the credit extended parameter;
- b) the number of bytes between the SOF and EOF is **greater than or equal to 28 and** less than or equal ~~1 024~~ **1 052** bytes; **and**
- c) the CRC is valid; ~~and.~~
- ~~d) the source and destination of the frame matches the source and destination of the current connection.~~

When a CRC error is detected the SSP\_\_FR1:SSP\_FR2 transition shall contain an indication that a CRC error occurred within the frame.

**7.15.4.7.2 Transition SMP\_SFR1:SMP\_SFR2 (Wait\_originate\_frame:Wait\_transmit\_frame)**

The SMP\_SFR1:SMP\_SFR2 transition shall occur after the wait\_originate\_frame state determines the received SMP originate frame is accepted and after the rcv\_response\_frame state sends a confirmation to the port layer using the SMP frame received parameter that the SMP originate frame was received.

An SMP originate frame shall be accepted if:

- a) there was no CRC error;
- b) the number of bytes between the SOF and EOF is **greater than or equal to 28 and** less than or equal ~~1 024~~ **1 052** bytes; ~~and.~~
- ~~c) the source and destination of the SMP originate frame matches the source and destination of the current connection.~~

**9.2.1 SSP frame format**

The HASHED DESTINATION DEVICE NAME field contains the hashed value (see 4.3.3) of the destination device name. The recipient may compare this to its own device name to verify that the frame was delivered to the correct destination. If the HASHED DESTINATION DEVICE NAME does not

match the device name used to open the connection, the frame ~~may be discarded~~ shall be discarded by the transport layer.

The HASHED SOURCE DEVICE NAME fields contains the hashed value of the source device name. The recipient may compare this to the device name which opened the connection to verify the frame was from the correct source. If the HASHED SOURCE DEVICE NAME does not match the device name used to open the connection, the frame ~~may be discarded~~ shall be discarded by the transport layer.