

To: SAS working group  
From: Bill Martin Sierra Logic, Inc.  
Subject: T10/05-103r0 Ambiguity in Link Layer State Machine

**Problem:**

In state SL\_CC4, the state machine “closes the connection and releases all resources associated with the connection.”; however, if the Close Timeout timer expires, the state machine transitions to state SL\_CC5 and transmits a break and waits for a BREAK to be received. In SL\_CC5, the state machine again “closes the connection if one is established and releases all resources associated with the connection.” The purpose of the BREAK is to close the connection that was not closed because a CLOSE was not received in response to the CLOSE sent. From this it seems that the connection should not be closed until a CLOSE is received or a BREAK is sent.

**Proposal:**

The closing of connections should be associated with the appropriate transitions out of the SL\_CC4 state, not the state itself.