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To: X3 T9.2 Committee (SCSI)

From: Jeff Williams (HP)

Subject: Conflicting Statement on CA and Queue Suspension

Contingent Allegiance (CA) condition is defined as follows
in section 6.6 of the Standard:

> "The contingent allegiance condition shall exist
> following the return of a CHECK CONDITION or
> COMMAND TERMINATED status."

For cases involving a queue with commands from multiple
initiators and a CA existing for one initiator, there are
conflicting statements in the Standard in sections 6.6 and
6.8.2. Specifically, section 6.6 states:

> "Execution of all tagged I/O processes **for the
> I_T_L nexus for which the contingent allegiance
> exists** shall be suspended until the contingent
> allegiance condition is cleared."

This implies that only the commands for the I_T_L nexus
which is in a CA be suspended. Section 6.8.2 states:

> "The first method allows the execution of tagged
> I/O processes to resume when the contingent
> allegiance or extended contingent allegiance
> condition is cleared. The target returns BUSY
> status to other initiators while the contingent
> allegiance or extended contingent allegiance
> condition exists. During this time, **all tagged
> I/O processes are suspended.**"

This appears to be a direct contradiction of the earlier
statement.