

To: INCITS T10 Committee  
From: Paul Entzel, Quantum  
Date: 10 July 2006  
Document: T10/06-294r1  
Subject: ADT-2 More logout reasons

## 1 Revision History

Revision 0:  
Posted to the T10 web site on 22 June 2006.

Revision 1:  
Updated in response to comments at the July 2006 T10 meeting.

## 2 Reference

T10/ADT-2 revision 2.

T10/06-180r1 ADC-2/ADT-2/SSC-3: Reporting Microcode download in progress thru DT Device Activity and other fixes

## 3 General

Proposal T10/06-180r1 modified ADT-2 by adding a new REASON CODE field to the Port Logout IU. The proposal defined 2 code values for this 8 bit field, one indicating that no reason was given and the other indicating the device was performing a microcode update. All other code values are listed as reserved.

This proposal requests some new code values be assigned in the standard for other logout reasons that can be standardized, and that some code values be set aside for vendor specific use.

Proposed additions or changes to the ADT-2 standard are shown in [blue text](#); proposed deletions are shown in ~~red crossed-out text~~.

## 4 Proposed changes to ADT-2

Modify Table 16, byte 2 so that the REASON CODE is 7 bits (0 – 6) and bit 7 is defined as “ESR”.

Add a paragraph below table 16:

The external stimulus required (ESR) bit set to one indicates that the port requires an external stimulus before initiating a negotiation exchange (see 6.5.12.3).

Modify Table 17 in subclause 6.5.5 that defines the reason codes for the Port Logout IU as follows:

**Table 17 — REASON CODE field**

Code	Description
00h	Reason not stated
01h	Microcode update in progress
02h	Fatal microcode error (e.g., bugcheck or assert)
03h	Microcode reboot in progress
04h	Going offline for diagnostics
05h	Out of resources
06h	Error recovery in process
07h – 5Fh <del>02h – FFh</del>	Reserved
60h – 7Fh	Vendor specific