TO: T10 Membership
FROM: Paul A. Suhler, Quantum Corporation
DATE: 5 May 2008
SUBJECT: T10/08-148r0, ADT-2: Support QUERY TASK SET Task Management Function

1 Revisions

0   Initial revision (5 May 2008) against ADT-2 rev. 5.

2 General

HP proposals 07-066 and 07-067 added the QUERY TASK SET and QUERY UNIT ATTENTION (later renamed QUERY ASYNCHRONOUS EVENT) task management functions (TMFs) to SPC-4, SAS-2, and FCP-4. At the 5 May 2008 meeting of the ADI working group, it was decided to add only QUERY TASK SET to ADT-2.

3 Proposed Changes

3.1 Clause 7.1.3, Table 24

Insert the following rows and modify the last row as follows:

Value	Description
81h	QUERY TASK SET
~~81h~~ 82h – FFh	Reserved

3.2 Clause 8.1

Add two items to the lettered list as follows:

e) Service Response = **LOGICAL UNIT RESET (IN (I_T_L Nexus))**; ~~and~~
f) Service Response = **QUERY TASK (IN (Nexus))**~~.~~; and
g) Service Response = QUERY TASK SET (IN (I_T_L Nexus)).

3.3 *Table 30*

Modify the lower left cell of Table 30 as follows:

Remote procedure call	Type of transport protocol service	Transport protocol service interaction	Transport protocol service	I/T[a]	ADT-2 implementation	Subclause
ABORT TASK, ABORT TASK SET, CLEAR ACA, CLEAR TASK SET, LOGICAL UNIT RESET, ~~and~~ QUERY TASK, and QUERY TASK SET.	(no change)	(no change)	(no change)	(no change)	(no change)	(no change)

3.4 *Clause 8.3.1, Table 44*

Modify the last row of the table as follows:

Argument	ADT Implementation
Function Identifier	… e) LOGICAL UNIT RESET (Nexus argument specifies an I_T_L Nexus); ~~and~~ f) QUERY TASK (Nexus argument specifies an I_T_L_Q Nexus)~~.~~; and g) QUERY TASK SET (Nexus argument specifies an I_T_L Nexus).