Date: October 30, 02
To: T10 Technical Committee
From: Jim Coomes (jim.comes@seagate.com)
Subject: SPC-3 Add NAA=2 format to VPD 83

Proposal 01-065r2 was adopted to put the format of NAA format device IDs in SPC-3 to eliminate the need to reference a different standard for this information. The proposal, however, did not include the NAA = 2 also widely used for SCSI device IDs in Fibre Channel implementations. This proposal identifies the changes necessary to SPC-3 rev 9 to include NAA = 2 with the NAA = 5 and 6 previously included by proposal 01-065r2.

Proposed changes:

The present table 274 is replaced with the more generic table:

Table 274 - NAA IDENTIFIER field format

Bit Byte	7	6	5	4	3	2	1	0
0			NAA		(MSB)			
1								
2			NAA specific data					
n								(LSB)

The IEEE Extended (2h) value is added to table 275:

Table 275 - Name Address Authority values

Value	Description	Reference
2h	IEEE Extended	8.6.4.5.x
5h	IEEE Registered	8.6.4.5.x
6h	IEEE Registered Extended	8.6.4.5.x
0h-1h	Reserved	
4h	Reserved	
7h-Fh	Reserved	

The following subclause defining the IEEE Extended format is added:

8.6.4.5.x   NAA IEEE Extended identifier format

When NAA is IEEE Extended (2h), the eight byte fixed length IDENTIFIER field shall have the format shown in table xxx. The code set field shall be set to 1h and the IDENTIFIER LENGTH field shall be set to 8h.

Table xxx - NAA IEEE Extended IDENTIFIER field format

Bit Byte	7	6	5	4	3	2	1	0
0	NAA (2h)				(MSB)			
1	VENDOR SPECIFIC IDENTIFIER							(LSB)
2	(MSB)							
4	IEEE COMPANY_ID							(LSB)
5	(MSB)							
7	VENDOR SPECIFIC IDENTIFIER							(LSB)