



Date: May 24, 1995

To: X3T10 Committee

From: John Lohmeyer, Principal member from Symbios Logic

Subject: **Device Identification Page Proposal**

As we move toward providing unique device identifications to support more automatic system configuration, there is a need to make this device identification information directly available to the operating system so it can manage devices that do not have fixed I/O addresses. This need is already apparent with SCAM devices and will also be needed for the serial SCSI interfaces.

This proposal defines a new mode page, but other methods (e.g., VPD page or INQUIRY extension) may be more desirable. This is just a starting point for discussion at the July '95 meeting. Questions that need to be answered are, "How big does the device identification field need to be to cover all the SCSI transports?" and "What are the appropriate fields to reference for the serial protocols?"

Proposed addition to SPC:

8.3. __ Device identification page

The optional device identification mode page (see table xx) provides the means to retrieve, and optionally set, the device identification string.

Table xx - Device identification page

Bit	7	6	5	4	3	2	1	0
Byte								
0	PS	Reserved	Page code (__h)					
1	Page length (22h)							
2	Reserved							
3	Reserved							
4	(MSB)	Device identification						
35		(up to 32 bytes)						(LSB)

The device identification field contains a protocol-specific identifier for the device. When used in conjunction with the SCSI-3 Interlocked Protocol, the device identification shall be the SCAM identification string defined in Annex B of X3.253-199x.