EXTENDED COPY: IPv4 Target Descriptor

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Proposal: add a new EXTENDED COPY target descriptor specific to IPv4 into SPC-2.
* Proposal was approved for inclusion into SPC-3 at the T10 Plenary on 11-2-00.*

Descriptor type code: E5h   IPv4 target descriptor

Table 1: IPv4 target descriptor format

Bit Byte	7	6	5	4	3	2	1	0
0	DESCRIPTOR TYPE CODE (E5h)							
1	Reserved		NUL	PERIPHERAL DEVICE TYPE				
2	Reserved							
3	Reserved						LU ID TYPE	
4	(MSB)			LU IDENTIFIER				
11								(LSB)
12	(MSB)			IPV4 ADDRESS				
15								(LSB)
16	Reserved							
21								
22	(MSB)			PORT NUMBER				
23								(LSB)
24	Reserved							
25								
26	(MSB)			INTERNET PROTOCOL NUMBER				
27								(LSB)
28	Device type specific parameters							
31								

The DESCRIPTOR DEVICE CODE, PERIPHERAL DEVICE TYPE and NUL fields and the device type specific parameters are described in 7.5.6.1.

The LU ID TYPE field and LU IDENTIFIER field are described in 7.5.6.1.

The IPV4 ADDRESS field shall contain the IPv4 address to be used when this target descriptor identifies the source or destination of an EXTENDED COPY operation. Refer to RFC 791 for a description of an IPv4 address.

The PORT NUMBER field shall contain the port number to be used when this target descriptor identifies the source or destination of an EXTENDED COPY operation. Refer to RFC 790 for a description of port numbers.

The INTERNET PROTOCOL NUMBER field shall contain the Internet protocol number to be used when this target descriptor identifies the source or destination of an EXTENDED COPY operation. Refer to RFC 790 for a description of Internet protocol numbers.