Mandatory REPORT LUNS Support

(T10/02-260r1)

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The support for REPORT LUNS is highly desirable in todays's networked storage environments. No support of REPORT LUNS (even for devices having only a single logical unit) leaves the implementation guessing/probing for logical units.

Proposal

Specify REPORT LUNS as mandatory to support in SPC-3 and associated device-type specific standards:
SBC-2 (direct-access, optical memory, and write-once device types)
SES-2
SSC-2
SMC-2
OSD

In the device-type specific command set standards change the Type entry in the command table to X and add a note specifying "see referenced standard or subclause".

In SPC-3, change the second paragraph in the clause 7.20 REPORT LUNS command text to:

A SCSI device shall support a REPORT LUNS command that is addressed to logical unit zero. Support of the REPORT LUNS command by logical units other than logical unit zero is optional.