

Proposed REPORT LUNS command X3T10/95-253R3

X3T10/95-253R3

To: Membership of X3T10
From: Ralph O. Weber ROWeber@ACM.org
ENL Associates
Date: September 13, 1995
Subject: Proposed REPORT LUNS command

This document proposes a mechanism by which an application client can determine what SCSI LUNs are supported by a device server. The proposal capability is implemented as a new SCSI command. This proposal is based on a discussion at the May 1995 SCSI Working Group meeting. As suggested at that time, this proposal attempts (as nearly as possible) to follow various reporting examples in the MAINTENANCE (IN) command, as defined in the SCSI-3 Controller Commands (SCC) document.

During the development of this proposal, it was noted that many of the SCC commands deal with 16 bit LUNs. To be as general as the SCSI-3 models, this proposal must deal with 64 bit LUNs.

This revision of the proposal is based on input received at the September 1995 General Working Group meeting.

Changes from revision 2 are marked by change bars.

The following text is proposed for inclusion in the SPC as a new command definition clause. Revision of the SPC shall mark the new command as optional in Table 5.

7.x REPORT LUNS command

The REPORT LUNS command (see table n1) requests that the logical unit numbers of known peripheral logical units at the target be sent to the application client. The REPORT LUNS command shall return information about only those logical units to which commands can be sent.

Table n1 - REPORT LUNS command

Table with 12 columns representing bits 0-11 and rows for bit fields: 5Bit, 5Byte, Operation code (A0h), Reserved, Allocation length (LSB), Reserved, Control.

The Allocation length shall be at least 16 bytes. If the Allocation length is less than 16 bytes, the device server shall return CHECK CONDITION status. The sense

