To: T10 CAP working group
From: Bill Martin Sierra Logic, Inc.
Subject: T10/05-101r0 Applicability of LOGICAL BLOCK APPLICATION TAG field in SBC-2

Problem:
The documentation of what to do based on the value of the LOGICAL BLOCK APPLICATION TAG field is not fully documented in clause 5.20 table 56 and table 57.

Clause 4.16.2 defines the use of the LOGICAL BLOCK APPLICATION TAG field. Tables 54 – 57 define the use of the VRPROTECT field under different conditions. In Table 54 and 55 there is a footnote associated with the column "Field in protection information" which states:

If the application client or device server detects a LOGICAL BLOCK APPLICATION TAG field set to FFFFh, the checking of all protection information shall be disabled for the associated logical block.

This same footnote should also be associated with the column "Field in protection information" in table 56. This table is for the checking of data protection of the data in the data-out buffer.

Table 57 is for checking of data on the medium against data in the data-out buffer. Since this is a compare of the two data sources, and not the data protection algorithm, there should not be an exclusion of protection information for a logical block based on the vaue of the LOGICAL BLOCK APPLICATION TAG field. Therefore, in table 57 there should be a footnote associated with the column titled "Field". This footnote should read:

Checking of protection information shall not be disabled if the application client or device server detects a LOGICAL BLOCK APPLICATION TAG field set to FFFFh.