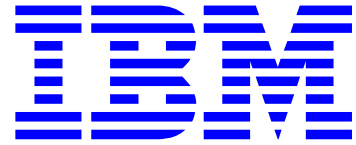To: INCITS Technical Committee T10
From: Kevin Butt
Date: Wednesday, September 24, 2008 1:41 pm
Document: T10/08-389r0 — SSC-3: Resolution to LB HPQ-070

Revisions

08-388r0   (23 September 2008) Initial revision

Introduction

This proposal intends to resolve LB HPQ-070 with states:

> [4.2.5] First paragraph in the section - ". . . enough space in the partition for the application client to write any buffered logical object in the application client buffer to the medium." - What is the application client buffer? Is that different from the object buffer? If so then a definition is needed.

The working group gave me an assignment to word in a manner that does not use "buffer". While making this change I noticed what I think may be an issue about entering and exiting PEWZ prior to getting the PROGRAMMABLE EARLY WARNING INDICATION. This needs reviewed closely.

Proposal

4.2.5 Programmable early warning

When writing, the application client may need an indication prior to ~~that it is approaching~~ early warning (see 4.2.4) ~~while there is enough space in the partition for the application client to write any buffered logical objects in the application client buffer to medium~~ to allow for the application client to prepare to be ready for early warning (e.g., flush internal buffers, hand processing over to a different process).

Application clients that need this indication may set the PEWS field (see 8.3.8) to a value that creates a PEWZ that allows ~~sufficient recording space for the data that is in the application client buffer~~ for the application client to be able to meet its needs.

If the PEWZ is entered and exited on the BOP side before the PROGRAMMABLE EARLY WARNING DETECTED additional sense code is returned, the device server does not report PROGRAMMABLE EARLY WARNING DETECTED CHECK CONDITION.

> Editors Note 1 - KDB: Note that "on the BOP side" was added because an application client who uses this may need to see the PROGRAMMABLE EARLY WARNING DETECTED additional sense code to trigger some action and the normal EW indications will not trigger it. <<This needs reviewed and thought about>>

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