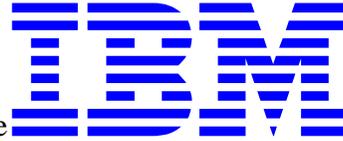


To: INCITS Technical Committee T10
From: Kevin Butt
Date: June 20, 2007 9:26 am
Document: T10/07-173r2 — ADC-2 LB IBM-52 Response



1. Revisions

1. 07-173r0 Initial revision
2. 07-173r1 Changes from May WG.
3. 07-173r2 Changes agreed to in 20 June 2007 conference call. Approved

2. Introduction

During the March 2007 ADI Working Group I was given an action item to bring in a proposal to answer Letter Ballot comment IBM-52:

(KB) - Comment - Not sure the intent of Service Buffers. Also, are Service Buffers provided by the remote or local device server.

Solution - Explain the a) intent and b) life cycle of the service buffer. This should link to Recovery Procedure 0Eh (retrieve a DT device error log)

This proposal is in response to that action item.

3. Proposal

6.1.5 Service Buffers Information log page

The Service Buffers Information log page (see table 30) describes the [vendor-specific](#) service buffers (see 6.1.4.2) that are available from the [ADC](#) device server that may be retrieved via a READ BUFFER command (see SPC-3). Using the assigned buffer ID, ~~the~~ [an](#) application client is able to use descriptor mode (see SPC-3) to retrieve the size of the service buffer. ~~The~~ [An](#) application client is able to use data mode (see SPC-3) to retrieve the service buffer according to the allowable service buffer retrieval conditions provided by the log parameter.

An ADC device server that implements the Service ~~b~~[B](#)uffers Information log page shall implement one or more log parameters. Each implemented log parameter shall represent a unique service buffer. Parameters shall not be changed via a LOG SELECT command.

[An ADC device server shall save a copy of a service buffer \(e.g., a snapshot\) in response to:](#)

- [a\) vendor-specific events; or](#)
- [b\) processing a READ BUFFER command using descriptor mode with the Buffer ID field set to a value that matches the Buffer ID field value of one of the service buffers described by a parameter of the Service Buffers Information log page for which an unread copy of the service buffer does not exist.](#)

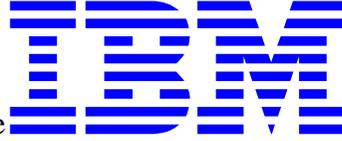
[An ADC device server that implements the Service Buffers Information log page should indicate Retrieve a DT device error log \(see table 29\) in the recovery procedures when a copy of a service buffer of any service buffer exists. The copy of a service buffer should be maintained until the service buffer associated with the buffer ID in the READ BUFFER command is completely read. The copy of the service buffer may be cleared on a:](#)

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- a) vendor-specific event;
- b) LOGICAL UNIT RESET,
- c) TARGET RESET, or
- d) POWER ON RESET.