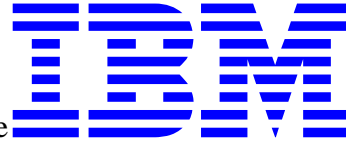


To: INCITS Technical Committee T10
From: Kevin Butt
Date: June 8, 2007 2:23 pm
Document: T10/07-173r1 — ADC-2 LB IBM-52 Response



1. Revisions

1. 07-173r0 Initial revision
2. 07-173r1 Changes from May WG.

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 Recovery procedures log parameter](#)) used for debug purposes 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.

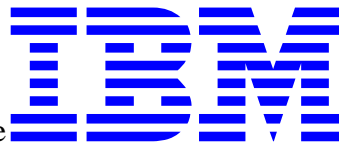
[An ADC device server that implements the Service Buffers Information log page shall save a copy of a service buffer \(i.e. snapshot\) in response to:](#)

- [a\) vendor-specific events, or](#)
- [b\) processing a READ BUFFER command to access a service buffer ID using descriptor mode for which an unread snapshot 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 snapshot of any service buffer exists. The snapshot should be maintained until the service buffer associated with the buffer ID in the READ BUFFER command is completely read. The snapshot may be cleared on a:](#)

- [a\) vendor-specific event;](#)

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[b\) LOGICAL UNIT RESET.](#)

[c\) TARGET RESET, or](#)

[d\) POWER ON RESET.](#)