



1. Revisions

1. 07-173r0 Initial revision

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~~Buffers 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 snapshot of a service buffer and set an unread flag to true in response to:](#)

- [a\) vendor-specific events, or](#)
- [b\) an attempt to read a service buffer for which an unread snapshot does not exist.](#)

[An ADC device server that implements the Service Buffers Information log page shall indicate Retrieve a DT device error log in the recovery procedures when a snapshot of any service buffer exists with its unread flag set to true. The unread flag of a service buffer snapshot shall be set to false when the service buffer associated with the buffer ID in the READ BUFFER command is completely read. The unread flag may persist through a:](#)

- [a\) LOGICAL UNIT RESET,](#)
- [b\) TARGET RESET, or](#)
- [c\) POWER ON RESET.](#)