ENDL
T E X A S

Date: 18 March 2003
To: T10 Technical Committee
From: Ralph O. Weber
Subject: SAM-3 Glossary Cleanup

Changes are proposed to make the SAM-3 glossary more accurate and useful.

Revision History

r0 Initial proposal
r1 Move 'Procedure Call' changes to 03-108 and update references to latest SAM-3 revisions.
r2 As requested by the March CAP working group, remove 'architectural abstraction' from both definitions in Change 1. Everything in SAM is an architectural abstraction.

Specific Changes

All proposed changes reference SAM-3 r05.

Change 1 ['architectural abstraction']: Everything in SAM is a 'architectural abstraction' so these words are unnecessary in the SAM glossary.

Modify glossary entries as follows:

3.1.69 object: ~~An architectural abstraction or~~ A container that encapsulates data types, services, or other objects that are related in some way.

Change 2 ['service' should be 'process']: In a few instances, the word 'service' is used in a manner that is not consistent with the glossary entry. A suitable replacement for 'service' is 'process' and such a replacement fits traditional SCSI usage.

In 4.5 (SCSI domain), modify the following as shown.

A SCSI device is an object that originates or ~~services~~ processes SCSI commands. … A SCSI device containing logical units that ~~service~~ process commands is called a SCSI target device and receives commands through a SCSI target port or a SCSI target/initiator port.

In 5.1 (The Execute Command remote procedure), modify the following as shown:

Data-Out Buffer: A buffer containing command specific information to be sent to the logical unit, such as data or parameter lists needed to ~~service~~ process the command. …

In 5.4.2 (Execute Command request/confirmation SCSI transport protocol services), modify the following as shown:

Data-Out Buffer: A buffer containing command specific information to be sent to the logical unit, such as data or parameter lists needed to ~~service~~ process the command (see 5.1). …

Change 3 ['service delivery port']: The SAM-2 changes to support SCSI devices with multiple ports eliminated the concept of a 'service delivery port', but one instance of usage of that term remains. In 4.6.2 (Synchronizing client and server states), modify the last paragraph as shown.

The model assumes that state synchronization, if required by a SCSI transport protocol standard, is enforced by the service delivery subsystem transparently to the server (i.e., whenever the server invokes a SCSI transport protocol service to return a response as described in 7.10 and 5.4~~,~~. It ~~it~~ is assumed that the SCSI port ~~service delivery port~~ for such a SCSI transport protocol does not return control to the server until the response has been successfully delivered to the SCSI initiator device).

Change 4 [unused glossary entries]: Remove the following glossary entries for terms that are no longer used in SAM-3:

~~**3.1.30 ended command:** A command that has completed or aborted.~~

~~**3.1.47 implementation option:** An option whose actualization within an implementation is at the discretion of the implementor.~~

~~**3.1.63 logical unit option:** An option pertaining to a logical unit, whose actualization is at the discretion of the logical unit implementor.~~

~~**3.1.70 peer-to-peer protocol service:** A service used by an upper level protocol implementation to exchange information with its peer.~~

~~**3.1.79 protocol option:** A function whose definition within a SCSI transport protocol standard is optional.~~