

Peter Johansson  
 Congruent Software, Inc.  
 07MAY96

## SAM and Simple Task Management

SAM today has a simple dichotomy: either the target supports tagged tasks or it doesn't.

A third model, of support for tagged tasks with the SIMPLE task attributes, is proposed because it adds value to the desktop environment .

What's needed to support simple tagged tasks (a.k.a. simple task management)?

## Simple Task Management

A SCSI-3 target that supports simple task management shall:

- a) implement the behaviors described by SCSI-3 Primary Commands (SPC) for a control mode page ( $OA_{16}$ ) value of one for the queue algorithm modifier field (unrestricted reordering),
- b) implement the behaviors described by SPC when the QErr bit in the control mode page is set to one (task set cleared when ACA is cleared),
- c) accept one untagged task at a time (the task is treated as if it has a task attribute of SIMPLE),
- d) accept tagged tasks with a task attribute of SIMPLE,
- e) reject tasks with a task attribute of ORDERED or HEAD OF QUEUE,
- f) accept the CLEAR TASK SET and TARGET RESET task management functions,
- g) reject the ABORT TASK, ABORT TASK SET and TERMINATE TASK task management functions, and
- h) support the CLEAR ACA task management functions.

## SAM Changes

Define simple task management model:

- a) the only task management functions supported are CLEAR ACA, CLEAR TASK SET and TARGET RESET,
- b) the only task attribute supported is SIMPLE,
- c) the target behavior is constrained so QErr equals one and unrestricted reordering of the SIMPLE tasks is not just permitted but required