

Set Features Revert to Defaults Behavior Setting After Hard Reset or POR

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Revision 0

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Revision History		
Rev	Date	Description
0	Dec 17, 2008	1) Initial Revision
		1)

1 Introduction

ATA8-ACS introduced a new requirement that the Set Features Reverting to Defaults feature be set to Reverting to defaults enabled mode on hard reset or POR. This new requirement should be re-evaluated for ACS-2 in light of customer requests and industry practice.

2 Changes to ACS-2

7.48.16 Enable/disable reverting to defaults

Subcommand codes CCh and 66h allow the host to enable or disable the reverting to defaults mode.

A device is in the reverting to defaults disabled mode after completing a SET FEATURES command with subcommand code 66h without error. In this mode a device shall not reset parameters to their default power-on values during the processing of a software reset.

A device is in the Reverting to defaults enabled mode after the device:

- a) processes a power-on reset or hardware reset; or
- b) completes a SET FEATURES command with subcommand CCh without error.

A device in the reverting to defaults enabled mode may reset parameters to their default power-on values during the processing of a software reset