

# ACS-2 DCO SET Clarifications

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Revision 1

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Revision History		
Rev	Date	Description
0	Nov. 1, 2008	1) Initial Revision
1	Jan. 30, 2009	1)

## 1 Introduction

During letter ballot comment resolution for ATA8-ACS, the question about what happens to IDENTIFY DEVICE data when DCO SET fails was discussed, but was deferred to ACS-2 as open issue #35. This proposes a resolution to that issue.

## 2 Scope

This proposes a clarification to ATA8-ACS.

## 3 Overview

The error output description for DCO SET is to be changed.

## 4 Changes to ACS-2

### 4.0.1 DEVICE CONFIGURATION SET - B1h/C3h, PIO Data-Out (7.10.5)

#### 4.0.1.1 Feature Set

#### 4.0.1.2 Description

#### 4.0.1.3 Inputs

#### 4.0.1.4 Normal Outputs

#### 4.0.1.5 Error Outputs

The Abort bit shall be set to one [and the data returned by the IDENTIFY DEVICE and IDENTIFY PACKET DEVICE commands shall not be changed as a result of the failed DEVICE CONFIGURATION SET command](#) if:

- a) a DEVICE CONFIGURATION SET command has already modified the original settings as reported by a DEVICE CONFIGURATION IDENTIFY command;
- b) a DEVICE CONFIGURATION FREEZE LOCK command has completed without error;
- c) any of the bit modification restrictions described in 4.0.1.2 are violated;
- d) a Host Protected Area has been established by the processing of a SET MAX ADDRESS or SET MAX ADDRESS EXT command; or
- e) an attempt was made to modify a mode or feature that shall not be modified with the device in its current state.

See table 141.