

# memorandum



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**To**  
INCITS T10 Committee

**From**  
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**Subject**  
Offline Additional Sense Code

**Date**  
24 August, 2004

## Revision History

Revision 0 – Initial proposal.

## Background

Automation libraries typically consist of a media changer device, one or more data transfer devices, and a magazine of storage slots. The Automation/Drive Interface command set (ADC) provides the means for an application client within the automation library to control and monitor the data transfer devices. A data transfer device that implements ADC typically includes a logical unit (the RMC logical unit) that supports a removable medium command set (e.g., SSC-x, MMC-x) and a logical unit that supports ADC.

The ADC Device Configuration mode page includes parameters that allow the automation's application client to configure the behavior of the RMC device server. One of these parameters, the OFFLINE bit, configures how the RMC device server responds to commands that require the RMC logical unit to be ready. At present, if OFFLINE equals one, the RMC device server responds with CHECK CONDITION status, sets the sense key to NOT READY, and sets the additional sense code to LOGICAL UNIT NOT READY, OPERATION IN PROGRESS.

As part of ADC letter ballot comment resolution, the ADI working group has agreed that the currently specified additional sense code does not convey the desired information. A survey of the existing additional sense codes that apply to logical unit readiness did not find a suitable alternative. Consequently HP proposes the addition of a LOGICAL UNIT NOT READY, OFFLINE additional sense code.



