



From: Jeffrey L. Williams
To: Membership NCITS T10
Subject: Addition of Disable Background Functions to Information Exception Page

Western Digital would like to propose the addition of a bit to the Information Exception page to control any normal background functions of a disk drive.

Western Digital would like to propose that SPC-2 be modified as follows:

- Section 8.3.6, Table 105, Byte 2, Bit 5 (previously reserved) should be changed to **DBF**.
- Section 8.3.6 should include a paragraph explaining the DBF bit. Specifically,

If background functions are supported, a Disable Background Function (DBF) bit of one indicates the target shall disable background functions. A DBF bit of zero indicates the target shall enable the functions.

If background functions are not supported, the Disable Background Function (DBF) bit shall be set to zero.

The initiator should check whether the DBF bit is changeable to determine if the background functions are supported. For the purposes of the DBF bit, background functions are defined as idle time functions that may impact performance that are performed by a target operating without errors but do not impact the reliability of the target (e.g., read scan).