ENDL

July 1, 1988

To: X3T9.2 Membership

Subject: ESDI

The following correction reflects that a drive can accept the Start/Stop Spindle Control commands, even if it is configured to automatically start spinning at power on.

9.3.1.11 Bit 5: Spindle Motor Control Option Implemented

If Bit 5 is a 0, the drive should automatically turn the spindle motor on upon power up. The Spindle Motor Stopped status bit (Bit 9) indicates the current state of the spindle motor when the Standard Status bits are read from the drive. If a Control command with command modifiers 0010 (Stop Spindle Motor) and 0011 (Start Spindle Motor) is issued to the drive it may respond with Invalid or Unimplemented Command Fault status bit (Bit 5), indicating that motor control commands sent to the drive are unnecessary.

NOTE: A drive which automatically turns the spindle motor on upon power up may accept Stop Spindle Motor to stop spinning and a subsequent Start Spindle Motor to resume spinning.

If Bit 5 is a 1, the controller is responsible for turning on the spindle motor with the Start Spindle Motor command. The Spindle Motor Stopped status bit (Bit 9) indicates the current state of the spindle motor when the standard status bits are read from the drive. The Stop Spindle Motor Command is an optional command if the Spindle Motor Control Option Implemented bit (Bit 5) is a 1. The Invalid or Unimplemented Command Fault status bit (Bit 5) should be set if the Stop Spindle Motor command is received but is not implemented in the drive.

If you have any comments, please give me a call,

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