ONFI Technical Errata

Errata ID	**001**
Affected Spec Ver.	**ONFI 2.1**
Corrected Spec Ver.	

Submission info

Name	Company	Date
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Description of the specification technical flaw (add space as needed)

This erratum adds the stipulation that for source synchronous operation CLK cannot stop during SDR data input. Also, actions may begin after input of the first of the two data bytes required to be repeated during source synchronous SDR input. An example of source synchronous SDR data input would be during data input for SET FEATURES command.

Description of the correction

Modify section 4.1.3 as shown:

4.1.3 Source Synchronous and Repeat Bytes

The source synchronous interface uses DDR to achieve a high data transfer rate. However, certain configuration and settings commands are not often used and do not require a high data transfer rate. Additionally, these commands typically are not serviced by the pipeline used for data transfers.

To avoid adding unnecessary complexity and requirements to implementations for these commands, the data is transferred using single data rate. Specifically, the same data byte is repeated twice and shall conform to the timings required for the source synchronous data interface. The data pattern in these cases is D_0 D_0 D_1 D_1 D_2 D_2 etc. The receiver (host or device) shall only latch one copy of each data byte. CLK should not be stopped during data input for these commands. The receiver is not required to wait for the repeated data byte before beginning internal actions.

The commands that repeat each data byte twice in the source synchronous data interface are: Set Features, Read ID, Get Features, Read Status, and Read Status Enhanced.

Modify section 4.3.2.3 as shown:

4.3.2.3 Data Input Cycle Timings

Data input cycle timing describes timing for data transfers from the host to the device (i.e. data writes).

For the Set Features command, the same data byte is repeated twice. The data pattern in this case is D_0 D_0 D_1 D_1 D_2 D_2 etc. The device shall only latch one copy of each data byte. CLK should not be stopped during data input for Set Features command. The device is not required to wait for the repeated data byte before beginning internal actions.

Disposition log

1/14/2009	Erratum captured.
4/9/2009	Erratum ratified.

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