ONFI Technical Errata

Errata ID	**006**
Affected Spec Ver.	**ONFI 1.0 2.0, 2.1, 2.2, 2.3, 3.0, 3.1**
Corrected Spec Ver.	

Submission info

Name	Company	Date
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This erratum updates the Opcode reservations to align with discussions in the JEDEC/ONFI Joint Task Group. The "Future Standardization" and "Block Abstracted NAND" categories have been removed.

Description of the specification change

In the ONFI 3.1 specification, Section 5.1:

Reserved opcodes shall not be used by the device, as the ONFI specification may define the use of these opcodes in a future revision. Vendor specific opcodes may be used at the discretion of the vendor and shall never be defined for standard use by ONFI. ~~Future Standardization opcodes are those opcodes already being used commonly in the industry and may be defined for standard use by ONFI for those same purposes. Future Standardization opcodes may be used by compliant ONFI implementations with the common industry usage.~~ ~~Block abstracted NAND opcodes are opcodes used in a BA NAND implementation.~~

~~Type~~	~~Opcode~~
~~Vendor Specific~~	~~02h – 04h, 08h, 16h – 17h, 19h, 1Dh, 20h – 22h, 25h – 29h, 2Bh, 2Dh – 2Fh, 33h, 36h – 39h, 3B – 3Eh, 40h – 41h, 48h, 4Ch, 53h – 55h, 68h, 72h – 75h, 84h, 87h – 89h, 91h – BFh, CFh, F1-F4h~~
~~Future Standardization~~	~~23h – 24h, 2Ah, 2Ch, 34h, 3Ah, 65h, 71h, 79h – 7Bh, 81h, 8Ch~~
~~Block Abstracted NAND~~	~~C0h – CEh~~
~~Reserved~~	~~01h, 07h, 09h – 0Fh, 12h-14h, 18h, 1Ah – 1Ch, 1Eh – 1Fh, 42h – 47h, 49h – 4Bh, 4Dh – 52h, 56h – 5Fh, 62h – 64h, 66h – 67h, 69h – 6Fh, 76h – 77h, 7Ch – 7Fh, 82h – 83h, 86h, 8Ah – 8Bh, 8Dh – 8Fh, D2h – DFh, E3h – EBh, F0h, F5h – F9h, FBh, FDh – FEh~~

Type	Opcode
Standard Command Set	00h, 05h – 06h, 10h – 11h, 15h, 30h – 32h, 35h, 3Fh, 60h, 70h, 78h, 80h – 81h, 85h, 90h, D0h – D1h, D4h – D5h, E0h –E2h, ECh – EFh, F1h – F2h, FAh, FCh, FFh
Vendor Specific	01h – 04h, 07h – 0Ah, 0Ch – 0Fh, 13h, 16h – 17h, 19h – 1Ah, 1Dh – 2Fh, 33h – 34h, 36h – 3Eh, 40h – 5Fh, 61h, 65h – 6Fh, 71h – 75h, 77h, 79h – 7Fh, 84h, 87h – 8Dh, 8Fh, 91h – CFh, D2h – D3h, D6h – D8h, DAh – DFh, E3h – EBh, F0h, F3h – F8h, FBh, FD – FEh
Reserved	0Bh, 12h, 14h, 18h, 1Bh – 1Ch, 62h – 64h, 76h, 82h – 83h, 86h, 8Eh, D9h, F9h

Table 1 Opcode Reservations

Disposition log

11/27/2012	Erratum captured.

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