ONFI Technical Errata

Errata ID	**010**
Affected Spec Ver.	**ONFI 4.0**
Corrected Spec Ver.	

Submission info

Name	Company	Date
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The erratum relaxes the maximum values for parameters RttEff1, RttEff2, RttEff3, and RttEff4 values for NV-DDR3 without ZQ calibration. The maximum values are actually tighter than the current values with ZQ calibration, so the values are relaxed to more accurately match devices when ZQ calibration is not performed.

Description of the specification change

Modify Section 4.16 Table 66 shown below:

Parameter	Symbol	Min	Nom	Max	Unit	Optional or Mandatory
Rtt effective Impedance value for 50 Ohms setting	RttEff1	32.5	50	~~67.5~~ 80	Ohms	Mandatory
Rtt effective impedance value for 75 Ohms setting	RttEff2	48.5	75	~~101.5~~ 120	Ohms	Mandatory
Rtt effective impedance value for 100 Ohms setting	RttEff3	65	100	~~135~~ 160	Ohms	Mandatory
Rtt effective impedance value for 150 Ohms setting	RttEff4	97.5	150	~~202.5~~ 240	Ohms	Mandatory
Deviation of VM with respect to VccQ/2	ΔVM	-7	-	7	%	

Table 1 On-die Termination DC Electrical Characteristics, NV-DDR3 without ZQ calibration

Disposition log

2/24/2015	Erratum captured.

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