ONFI Technical Errata

Errata ID	**010**
Affected Spec Ver.	**ONFI 3.0, 3.1**
Corrected Spec Ver.	

Submission info

Name	Company	Date
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This erratum fixes an incorrect formula for determining VILdiff (DC) and VILdiff (AC) in Table 13 “Differential AC and DC Input Levels”. It also adds a figure to clarify the definition of the differential AC swing.

Description of the specification changes

In the ONFI 3.1 specification, Section 2.11, Table 13:

Parameter	Symbol	Min	Max	Units
Differential input high	VIHdiff (DC)	2 x [VIH (DC) – VREFQ]	Refer to Note 1.	V
Differential input low	VILdiff (DC)	Refer to Note 1.	~~2 x [VREFQ – VIL(DC)]~~ 2 x [VIL(DC) – VREFQ]	V
Differential input high AC	VIHdiff (AC)	2 x [VIH (AC) – VREFQ]	Refer to Note 1.	V
Differential input low AC	VILdiff (AC)	Refer to Note 1.	~~2 x [VREFQ – VIL(AC)]~~ 2 x [VIL(AC) – VREFQ]	V

NOTE:

1. These values are not defined. However, the single-ended signals (RE_t, RE_c, DQS_t, and DQS_c) need to be within the respective limits [VIH(DC) max, VIL (DC) min] for single-ended signals as well as the limitations for overshoot and undershoot in **Error! Reference source not found.**.

Table 1 Differential AC and DC Input Levels

In the ONFI 3.1 specification, Section 2.11, Add Figure 18:

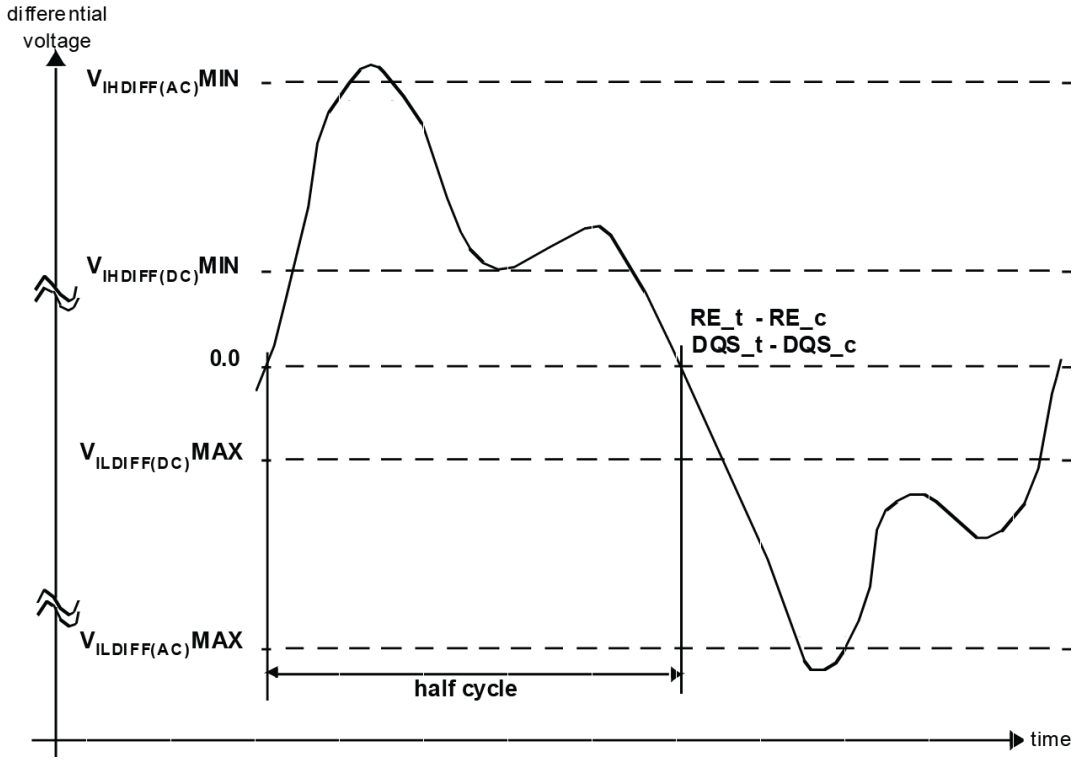

Figure 18 Definition of Differential AC Swing

Disposition log

4/11/2013	Erratum captured.
5/3/2013	Fixed Typo, Figure 18 labeled incorrectly

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