

Test Monitoring Center

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L-33-1 Information Letter No. 09-1 Sequence No. 13 February 19, 2009

ASTM consensus has not yet been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.

TO: L-33-1 Mailing List

SUBJECT: Revision to Percent Deviation Calculation

At the February 11, 2009 L-33-1 Surveillance Panel meeting, the panel revised the procedure for calculating percent deviation. A revised Annex A2.3.2 of Test Method D 7038 is attached.

This change is effective 30 days after the date of this information letter.

Dale Smith Chairman

L-33-1 Surveillance Panel

John L. Zalar Administrator

ASTM Test Monitoring Center

Attachment

c: ftp://ftp.astmtmc.cmu.edu/docs/gears/1331/procedure and ils/il09-1.pdf

Distribution: Email

A2.3.2 Calculate the percent deviation as follows:

percent out =
$$\sum_{i=1}^{n} \left(\frac{Mi}{0.5R} \times \frac{Ti}{D} \right) \times 100$$
 (A2.1)

where:

Mi = magnitude of test parameter out from

specification limit at occurrence i,

R = test parameter specification range,

Ti = length of time the test parameter was outside of

specification range at occurrence i, (Ti is assumed to be no less than the recorded data-acquisition frequency unless supplemental

readings are documented.), and

D = test or test phase duration in same units as Ti.