

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 1
to
AS/NZS 1269.1:2005
Occupational noise management
Part 1: Measurement and assessment of noise immission and exposure

CORRECTION

The 2005 edition of AS/NZS 1269.1 is amended as follows; the amendment(s) should be inserted in the appropriate place(s).

SUMMARY: This Amendment applies to Clauses 3.3 and 3.10, Table 1, Clauses 7.3, 8.7, 9.1, 9.4, 9.6, 9.8 and Appendices E and G.

Published on 16 September 2005.

Approved for publication in New Zealand on behalf of the Standards Council of New Zealand on 2 September 2005.

Page 6 Clause 3.3

Delete Equation 3(2) and *replace* with the following equation:

$$L_{\text{Xeq},T} = 10 \log_{10} \left[\frac{1}{T} \int_0^T \left(\frac{p_X(t)}{p_o} \right)^2 dt \right] \dots 3(2)$$

Page 7 Clause 3.10

In the third sentence, *delete* ‘SPL’ and *replace* with ‘sound pressure level’.

Page 8 Table 1

In Note 1, *replace* ‘AS IEC 60651.1’ with ‘AS IEC 61672.1’ and ‘IEC 60651.1’ with ‘IEC 61672-1’.

Page 12 Clause 7.3

Delete the fourth sentence of the second paragraph and *replace* with the following:

PSEMs also rely on employees who are untrained and unskilled carrying out their own noise measurements, often in uncontrolled and unreported areas.

Page 16 Clause 8.7

In paragraph 2, sentence 2, *delete* ‘Type 1’ and *replace* with ‘Class 1/ Type 1’.

Page 17 Clause 9.1

Delete Equation 9(1) and *replace* with the following equation:

$$E_{A,T} = 4 \times T \times 10^{0.1(L_{\text{Aeq},T} - 100)} \dots 9(1)$$

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Page 18 Clause 9.4

Delete last paragraph and replace with the following:

For further reading see 'Adjustment of noise exposure level for extended workshifts' by J. Macrae and R. Waugh. *Journal of Occupational Health and Safety Australia NZ*. 1998. Vol. 14, No. 4, p 383.

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Page 19 Clause 9.6

Delete Equation 9(7) and *replace* with the following equation:

$$L(\text{norm})_{\text{Aeq},8\text{h}} = 10 \log_{10} \left[\frac{1}{5} \sum_{i=1}^n 10^{0.1(L_{(\text{Aeq},8\text{h})_i})} \right] \quad \dots 9(7)$$

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Page 19 Clause 9.8

Delete 'it applies' and *replace* with 'they apply' in first paragraph.

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Page 33 Appendix E, Paragraph E3

Delete Items (b) and (c) and replace with the following:

- (b) Multiply each pascal-squared value by the respective exposure time, T_i , in hours, to obtain the partial noise exposure, E_{A,T_i} .
- (c) Add these partial noise exposures, E_{A,T_i} together to obtain the total daily noise exposure, $E_{A,T}$.

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Page 37 Appendix E, Paragraph E7.3.1

Delete Equation E2 and Example E1 and *replace* with:

$$E_{A,T} = \sum_i E_{A,T_i} \quad \dots (E2)$$

Example E1: Using the data from Table E1, the following calculation occurs:

$$\begin{aligned} E_{A,T} &= 4 \times \left[(0.5 \times 10^{0.1(102-100)}) + (4.0 \times 10^{0.1(98-100)}) + (2.5 \times 10^{0.1(89-100)}) + (2.0 \times 10^{0.1(92-100)}) \right] \\ &= 4 \times \left[(0.5 \times 10^{0.2}) + (4.0 \times 10^{-0.2}) + (2.5 \times 10^{-1.1}) + (2.0 \times 10^{-0.8}) \right] \\ &= 4 \times [0.79 + 2.52 + 0.20 + 0.32] \\ &= 15.32 \text{ Pa}^2\text{h} \end{aligned}$$

This is rounded to 15 Pa²h.

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Page 37 Appendix E, Paragraph E7.3.3

Delete Equation E4 and *replace* with:

$$L_{\text{Aeq},8\text{h}} = L_{\text{Aeq},T} + 10 \log_{10} \left[\frac{T}{8} \right] \quad \dots (E4)$$

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Page 38 Appendix E, Paragraph E8.2

In the first sentence, *delete* ' $L_{(\text{Aeq},8\text{h})_5}$ ' and *replace* with ' $L_{(\text{Aeq},8\text{h})_i}$ '