

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC 62459
Edition 1.0 2010-01

**Sound system equipment –
Electroacoustical transducers –
Measurement of suspension parts**

CORRIGENDUM 1

3.11 lowest cone resonance frequency

Replace the existing Formula (7) by the following new Formula:

$$f_0 \approx \frac{1}{2\pi} \sqrt{\frac{K(x_{\text{off}})}{\delta m_s}} \quad (7)$$

6.3 Incremental dynamic measurement

Replace the existing first sentence by the following:

This technique for measuring the incremental stiffness $K_{\text{inc}}(x_{\text{dc}})$ according to Equation (3) uses a superposition of a d.c. signal of certain magnitude (for example, constant restoring force F_{dc} generating a d.c. position x_{dc}) and a small a.c. signal (e.g. restoring force F_{ac}) as stimulus and measures the a.c. response of the suspension part (e.g. the a.c. part of the displacement x_{ac}) under steady-state condition.

6.4 Full dynamic measurement

Replace the existing paragraph by the following:

This technique for measuring the dynamic stiffness $K(x_{\text{ac}})$ uses an a.c. signal of certain magnitude (for example, the a.c. restoring force F_{ac}) and measures the a.c. response of the suspension part (for example, a displacement x_{ac}).

9.1 Characteristic to be specified

Replace, in the second sentence of this paragraph, "Equation (6)" by "Equation (1)".