

# PC57.136 – Guide for Audible Sound of Liquid-Immersed Power Transformers

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Review of **Latest Updates** to Guide  
(Draft D5 & D6)

# Updates made to Audible Sound Guide

- Added a section on magnitude of Variability of measured sound level of Core and Load noise of transformers of the same design (Section 3.2.6)
- Added a statement or two related to the following items:
  - a) When to perform core noise measurements, before or after dielectrics tests (Section 3.3.1)
  - b) Noise impact of a current limiting reactor (Section 4.2)
  - c) Magnetostriction (Section 5.1.2)
  - d) Impact of Sound Panels and Sound Enclosures on transformer Cooling (Section 5.4.3 and 5.4.4) Figure 9 is updated.
  - e) Active Noise Cancellation using loudspeakers (Section 6.2)
  
- Editorial improvements throughout the Guide

# Updates made to Audible Sound Guide

- ❑ Updated the Bibliography:
  - a) Added some newer references
  - b) Subdivided the whole list of references into sections corresponding to content of the Guide
  - c) Arranged the references in each section in an alphabetical order
  
- ❑ References in the text of the Guide were limited to where information in the Guide:
  - a) Is taken directly from the reference
  - b) Where more information on the subject is available in these references.

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## Next Steps ...