

# Practice Guidance for Sound Insulation Testing in Dwellings 2016

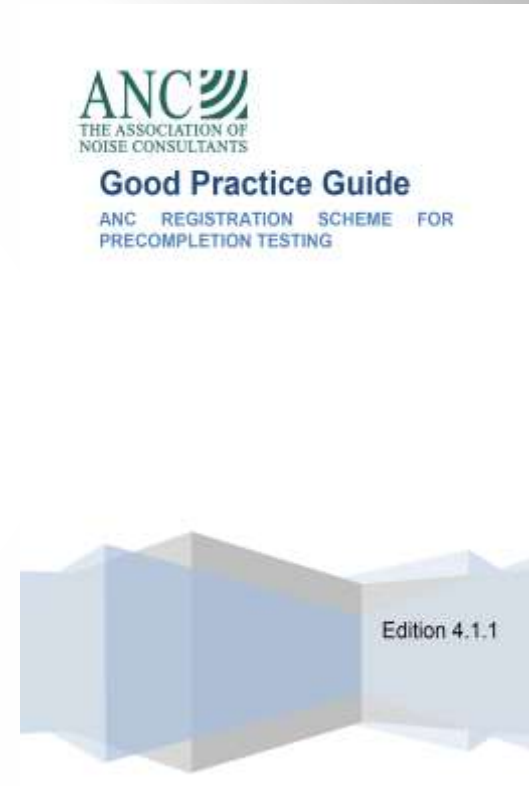
Also includes 'rooms for residential purposes' but  
not schools, healthcare or commercial.

Replaces the current ANC 'Good Practice Guide'.

Iain Critchley

# The Rationale.

- The current GPG is great but is a bit clunky now, having evolved from more humble beginnings.
- It is, essentially, a list of requirements from the Standards and ADE with explanatory footnotes.
- No pictures!
- When it became due for a revision, it was agreed that we should start with a blank sheet!



# Now based on procedures.

It was clear from the experience of ANC examiners undertaking audits and witnessing tests that there were only four different test procedures for airborne tests and only two different procedures for impact, albeit with minor variations.

Provided the tester follows one of the procedures fully, then compliance with the ANC Scheme, ADE and the relevant Standards is assured.



# Airborne test procedures

1. Single sound source, fixed mic positions.
2. Single sound source, moving mic (hand held)
3. Two sound sources, fixed mic positions
4. Two sources, moving mic (hand held)

# Impact tests

1. Fixed mic positions
2. Moving mic (hand held)

# Annexes include important supporting information.

1. Loudspeakers
2. Tapping machines
3. Instrumentation
4. Calibration
5. Sound source checks
6. Calibrator annual checks
7. Reporting

(but don't delete the old GPG just yet!)

# Accessible format

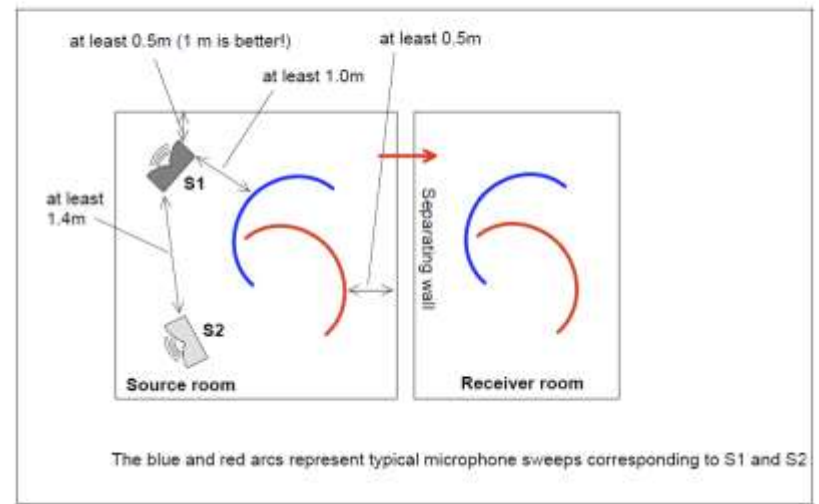
Document drafted using large font (Arial, 12 point) to be readable on a tablet, iPad or smartphone, using iBooks, Kindle etc., with active bookmarks to each section and subsection.

# More explanatory diagrams

- Source positions, mic positions, to supplement ISO 16283 Annexes C and D.
- Includes cabinet speakers for which there is NO current guidance available.

## 2.2.1 Airborne test on separating wall

Figure 1 - Typical separating wall test arrangement (plan view)





# Customisable by the user

Each 'procedure' is completely self-contained so you only need to print the sections which are applicable to your own test procedure. For example, airborne 2 and impact 6, plus you'll need the introductory sections and the Annexes.

Or, don't print it at all!

Don't print the whole document as it's about 220 pages with lots of duplication across each section!

The document is in standard pdf so the user can add more bookmarks as required e.g. for subsections and paragraphs that you need to go back to regularly.

Now let's look at the document  
itself....

<http://www.association-of-noise-consultants.co.uk/ade-scheme/>