



Tested Inspection Procedures

From the research and other investigations it has completed, HARMONAC has arrived at a view on what the components of future AC Inspection Procedures might comprise. The critical elements for the three final versions of the AC Inspection procedures produced by HARMONAC were:

- To establish the bare minimum that should be inspected to aid Member States and Inspectors;
- To produce an Inspection procedure that reflected the main findings from HARMONAC and seemed to provide a good balance between cost and effectiveness in achieving energy savings;
- To provide all the elements that might constitute an Inspection to allow Member States to draw from this work in compiling their own Inspections.

One of the key elements of the HARMONAC Inspection procedures is the linking of ECOs and Teaching Packages to Inspection elements. This is designed to provide the Inspector with the guidance and information he needs at each point of the Inspection so that opportunities are not missed.

Inspection Item # Short Description	Time (mins)	ECO's	Example Savings from ECO's	Teaching Package
PI6 Building mass and air tightness / leakage	9 to 30	E2.4 Correct excessive envelope air leakage E2.6 Generate possibility of night time over ventilation E3.3 Add insulation to exterior walls by filling cavities	5 to 27% or 7 to 48 kWh/m ²	PI6: Building thermal mass and ventilation

Example of an Inspection item showing ECOs, savings and which aspects of the teaching package are relevant. The details of the inspection item are accessed by hyperlink.

It should be noted that the final HARMONAC procedures do not allow for the future developments that the Partners would like to see implemented in the monitoring of AC system energy consumption. If much more specific and focussed data were available on the energy use of AC system components then it is anticipated that the Inspection procedures would need significant amendments to make full use of this data, and to reward good performance by perhaps reducing or eliminating the need for Inspection.



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