



# NBCMP

## National Building Control Management Project

### TGD F – Ventilation 2019

### Ventilation Testing Requirements

Date 28<sup>th</sup> February 2020



#### TGD F - The Requirement<sup>i</sup>

##### Means of Ventilation F1

*T Adequate and effective means of ventilation shall be provided for people in buildings. This shall be achieved by:*

- (a) limiting the moisture content of the air within the building so that it does not contribute to condensation and mould growth, and*
- (b) limiting the concentration of harmful pollutants in the air within the building.*

##### Section 1 - Mean of Ventilation

**1.2.1.10** Ventilation systems should be **designed by competent designers**. Systems should be installed, **balanced and commissioned by competent installers** e.g. Quality and Qualifications Ireland accredited or Education Training Board or equivalent. Systems, when commissioned and balanced, should then be validated by a competent person to ensure that they achieve the design flow rates. **The validation should be carried out by a person certified by an independent third party** to carry out this work, e.g. Irish National Accreditation Board (INAB), National Standards Authority of Ireland (NSAI) certified or equivalent. *Detailed information on the installation and commissioning of ventilation systems is provided in Installation and Commissioning of Ventilation Systems for Dwellings Achieving Compliance with Part F*

Guidance is given in I.S. EN 14134: 2019: Ventilation for buildings – Performance testing and installation checks of residential ventilation systems.

The **Tester Register** is operated by The National Standard Authority of Ireland **NSAI**. Certified Ventilation Validator/Tester will need to demonstrate the following competencies to be included on this register:

- Demonstrate familiarity with a range of ventilation systems/approaches that they are likely to encounter in dwellings. Typical systems and approaches are described in TGD to Part F - Ventilation (2019) of the Building Regulations and Section 4 of the NSAI “Ventilation Validation Registration Scheme Master Document”.

“While TGD is reference in this guidance note as a means of compliance with the regulations; other means of compliance can be used e.g. calculations, similar construction test, agrément certification etc ...”

- All measuring instruments need to present a valid annual calibration certificate annually
- The Tester will need to pass an air flow proficiency test (clause 8.3) of the NSAI “Ventilation Validation Registration Scheme Master Document”.
- The Tester will need to demonstrate that they can correctly configure the dwelling prior to measuring the flow rate in the ventilation system.
- The Tester retains adequate documentary evidence when carrying out a validation check.
- The Tester must issue third party “Ventilation validation Certificates”.

<https://www.nsaie/certification/agreement-certification/ventilation-validation-registration>

Further information and examples are available in the NSAI “**Ventilation Validation Registration Scheme Master Document**”.

[https://www.nsaie/images/uploads/general/D-IAB-009\\_Ventilation\\_Validation\\_Reg\\_Scheme\\_Master\\_Doc\\_Rev\\_1.pdf](https://www.nsaie/images/uploads/general/D-IAB-009_Ventilation_Validation_Reg_Scheme_Master_Doc_Rev_1.pdf)

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<sup>i</sup> **Means of ventilation F1** Adequate and effective means of ventilation shall be provided for people in buildings. This shall be achieved by: (a) limiting the moisture content of the air within the building so that it does not contribute to condensation and mould growth, and

(b) limiting the concentration of harmful pollutants in the air within the building

**Condensation in roofs F2** Adequate provision shall be made to prevent excessive condensation in a roof or in a roof void above an insulated ceiling.

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