**REPI-97-21 MOD1**

**IECC®: R403.6.3, R403.6.4 (New)**

**Proponents:**

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**2021 International Energy Conservation Code**

**R403.6.3 Testing.**

Each ~~M~~mechanical ventilation system~~s~~ shall be tested and verified to provide the minimum ventilation flow rates required by Section R403.6. Testing shall be performed according to the ventilation equipment manufacturer's instructions, or by using a flow hood or box, flow grid, or other airflow measuring device at the mechanical ventilation fan's inlet terminals or grilles, outlet terminals or grilles, or in the connected ventilation ducts. Where required by the code official, testing shall be conducted by an *approved* third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official.

**Exceptions:** The following systems are exempt:

1. Kitchen range hoods that are ducted to the outside with 6-inch (152 mm) or larger duct and not more than one 90-degree (1.57 rad) elbow or equivalent in the duct run.
2. Where tested in accordance with R403.6.4, testing of each mechanical ventilation system is not required.

**R403.6.4 Dwelling Unit Sampling ~~for R2 multifamily dwelling units~~.**

For buildings with eight or more *dwelling units* ~~testing units complying with R403.6.3~~, the mechanical ventilation systems in the greater of seven ~~units~~ or 20 percent of the *dwelling units* ~~testing units~~ in the building shall be tested, including a top floor unit, a ground floor unit, a middle floor unit, and the *dwelling unit* ~~a unit~~ with the largest ~~testing unit~~ *conditioned floor area*. ~~For each tested unit~~ Where buildings have fewer than eight *dwelling units* ~~testing units~~, each *dwelling unit* ~~testing unit~~ shall be tested. Where the ventilation flow rate of a mechanical ventilation system is less than the ~~that does not meet~~ the minimum permitted ventilation flow rate, corrective actions shall be made to the system and the system retested unit it passes. For each *dwelling unit* that has less ventilation airflow rate than the minimum permitted airflow rate, an additional three units, including the corrected unit shall be tested~~, including a mixture of testing unit types and locations~~. ~~Where buildings have fewer than eight testing units, each testing unit shall be tested.~~

Where buildings qualify under the scope of Section R101.2 of the International Residential Code, each mechanical ventilation system in each dwelling unit shall be tested.