



## Code Amendment Proposal Application

Department of Consumer & Business Services  
Building Codes Division  
1535 Edgewater NW, Salem, Oregon  
Mailing address: P.O. Box 14470, Salem, OR 97309-0404  
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Oregon.gov/bcd

Read the entire code amendment proposal application before completing this form. Please complete all parts before submitting your proposal and refer to the provided checklist.

### APPLICANT INFORMATION

Name: Mike Moore	Date: August 25, 2022	
Representing (if applicable): Stator LLC, representing Broan-NuTone	Work phone: 303.408.7015	
Mailing address: 926 W State St.	Cell phone:	
City: Hartford	State: WI	Zip: 53027
Email address: mmoore@statorllc.com		

### PROPOSAL INFORMATION

Specialty code: Oregon Residential Specialty Code
Code section(s): M1505.4.1, R202
Briefly explain the subject of your proposal: Replace the term and definition for "balanced ventilation" with "balanced ventilation system" to align the ORSC with the 2024 IRC and to improve compliance.

### INSTRUCTIONS AND CHECKLIST

Fill in all the information above and submit this page, signed and dated, with the required supplementary information for Parts I, II, III, and IV described on page 2 of this application. This application may be submitted by mail to the mailing address above, or by email to [BCD.PTSPtech@oregon.gov](mailto:BCD.PTSPtech@oregon.gov).

Summary checklist for the applicant:

- Part I Code amendment language is attached in the proper format.
- Part II Amendment proposal requirements for amending the code have been reviewed.
- Part III Amendment proposal criteria questions have been answered and are attached.
- Part IV If applicable, additional ORSC energy efficiency amendment proposal information is attached.

Note: One application is required for each code section you are proposing to amend. If this proposal requires changes in other sections of the code for alignment, include those changes as part of this application.

### APPLICANT SIGNATURE

Signature: *Mike Moore* Date: August 25, 2022

Copyright notice: By signing this Code Amendment Proposal Application, I understand and acknowledge that the work contained in this application is original, or if not original, I have the right to copy the work. By signing this work, I understand that any rights I may have in this work, including any form of derivative works and compilations, are assigned to the Department of Consumer and Business Services Building Codes Division. I also understand that I do not retain or acquire any rights once this work is used in a Department of Consumer and Business Services Building Codes Division publication.

## Part I – Code Amendment Language

**Proposal:** Modify the 2021 ORSC as follows:

**M1505.4.1 System design.** The whole-house mechanical ventilation system shall ~~be a~~ provide *balanced ventilation system*. Local exhaust or supply fans are permitted to serve as part of such a system. Outdoor air ventilation provided by a supply fan ducted to the return side of an air handler shall be considered as providing supply ventilation for the *balanced ventilation system*.

### R202 DEFINITIONS

~~**BALANCED VENTILATION.** Any combination of concurrently operating mechanical exhaust and mechanical supply whereby the total mechanical exhaust airflow rate is within 10 percent of the total mechanical supply airflow rate.~~

**BALANCED VENTILATION SYSTEM.** A ventilation system that simultaneously supplies outdoor air to and exhausts air from a space, where the mechanical supply airflow rate and the mechanical exhaust airflow rate are each within 10% of the average of the two airflow rates

**Rationale:** This modification will update the definition of “balanced ventilation” to “balanced ventilation system” to align with that used within the 2024 IRC (see RM16-21 PC1). The 2024 IRC definition was developed by the ICC Plumbing/Mechanical/Gas Code Committee (PMGCAC), established by the ICC Board of Directors in 2011, and provides more tenable criteria for compliance than the Oregon base code with BCD proposed provisions. For example, with the proposed definition, a system with a targeted airflow of 30 cfm could have a supply airflow rate of 27 cfm and an exhaust airflow rate of 33 cfm, resulting in an average airflow of 30 cfm. In this case, both the exhaust and supply airflows would be within 10% of the average, qualifying the system as a *balanced ventilation system*. If the base code definition is not modified, this example system would not qualify as “balanced ventilation,” despite each airflow being within a scant 3 cfm of the target.

## Part II – Code Amendment Proposal Requirements

This proposal is enforceable by the ORSC.

## Part III – ORSC Amendment Proposal Criteria

**Implementation:** The proposed provision would be enforced in the same manner that the current provision is enforced. No additional inspections or permits are proposed. There is also no need for additional equipment, training, tests, or special certifications.

**Fiscal Impact:** The code change proposal could decrease the cost of construction by providing builders with more tenable criteria for compliance.

**Impacted stakeholders and other specialty codes:** This proposal is based on text in the 2024 IRC and IMC that was developed by the ICC PMGCAC. The proposal does not impact other specialty codes or statewide programs; however, mirroring this proposal in future versions of Oregon’s Mechanical Specialty Code is recommended.