Code Amendment Proposal Form
For public amendments proposed to the 2018 editions of the International Codes

Instructions: Upload this form and all accompanying documentation at www.denvergov.org/BuildingCode. If you are submitting your proposal on a separate sheet, make sure it includes all information requested below.

All proposals must be received by April 26, 2019.

CONTACT INFORMATION

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AMENDMENT PROPOSAL

Please use a separate form for each proposal.

1) Code(s) associated with this proposal. Please use acronym: JECC
If you submitted a separate coordination change to another code, please indicate which code: 

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
</tr>
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<tbody>
<tr>
<td>DBC-xxxx</td>
<td>Denver Building Code–xxxx (code) amendments (e.g., DBC-IBC, DBC-IEBC)</td>
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<tr>
<td>IBC</td>
<td>International Building Code</td>
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<tr>
<td>IEBC</td>
<td>International Existing Building Code</td>
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<tr>
<td>IECC</td>
<td>International Energy Conservation Code</td>
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<tr>
<th>Acronym</th>
<th>Code Name</th>
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<tr>
<td>IFC</td>
<td>International Fire Code</td>
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<td>IFGC</td>
<td>International Fuel Gas Code</td>
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<tr>
<td>IGCC</td>
<td>International Green Construction Code</td>
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<tr>
<td>IMC</td>
<td>International Mechanical Code</td>
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<tr>
<td>IPC</td>
<td>International Plumbing Code</td>
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<tr>
<td>IRC</td>
<td>International Residential Code</td>
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2) Please check here if a separate graphic file is provided: □
Graphics may also be embedded within your proposal below.

3) Use this template to submit your proposal or attach a separate file, but please include all items requested below in your proposal. The only formatting needed is BOLDING, STRIKEOUT AND UNDERLINING. Please do not provide additional formatting such as tabs, columns, etc., as this will be done by CPD.

Code Sections/Tables/ Figures Proposed for Revision:

C502.2

Proposal:
C502.2.3.1 Mechanical systems acceptance testing. New mechanical systems that serve additions shall comply with Sections C408.2.2, C408.2.3 and C408.2.5.

Exceptions: The following systems are exempt:
1. Mechanical systems and service water heater systems in buildings where the total mechanical equipment capacity is less than 480,000 Btu/h (140.7 kW) cooling capacity and 600,000 Btu/h (175.8 kW) combined service water-heating and space-heating capacity.
2. Systems included in Section C403.5 that serve individual dwelling units and sleeping units.

C502.2.4.1 Service hot water systems acceptance testing. New service hot water systems that serve additions shall comply with Sections C408.2.3 and C408.2.5.

Exceptions: The following systems are exempt:
1. Service water heater systems in buildings where the total mechanical equipment capacity is less than 600,000 Btu/h (175.8 kW) combined service water-heating and space-heating capacity.
2. Systems included in Section C403.5 that serve individual dwelling units and sleeping units.

C502.2.6.3 Lighting acceptance testing. New lighting systems that serve additions shall comply with Section C408.3.

Supporting Information:

Purpose:
The purpose of this proposal is to close a loophole that leaves alterations exempt from acceptance testing requirements that otherwise apply to new construction.

Reason:
Due to the way that the charging language in the IECC is structured, new mechanical, water heating and lighting systems in additions do not need to meet the commissioning / acceptance testing requirements that the same systems in new construction would need to meet. This allows new systems in additions to go without this vital installation step and leaves them vulnerable to poor performance from installation. This proposal closes that loophole.

The proposal includes specific references to the appropriate commissioning / acceptance testing requirements in section C408:
- The balancing (C408.2.2), functional testing (C408.2.3) and documentation (C408.2.5) requirements for HVAC systems.
- The functional testing (C408.2.3) and documentation (C408.2.5) requirements for water heating systems.
- The functional testing, documentation and reporting requirements for lighting (C408.3).

It repeats the system-size thresholds in the charging language in C408. The proposal also does not include references to the commissioning plan requirement (C408.2.1) for HVAC equipment. In this way, it has the same scope as the requirements for new construction. Since it references only new equipment in the addition itself, it avoids potentially requiring changes to the existing building systems.

Referenced Standards:

NA

Impact:
The effect of the proposal on the cost of construction: ☒ Increase ☐ Reduce ☐ No Effect
- The proposal will increase the cost of construction. However, these requirements have already been found to be sufficiently cost effective to be included in the code for new construction.

The effect of the proposal on the cost of design: ☐ Increase ☐ Reduce ☒ No Effect

Is the proposal more or less restrictive than the I-codes: ☒ More ☐ Less ☐ Same

Departmental Impact: (To be filled out by CPD staff)
Note: CITY STAFF ONLY. Discuss the impact of this proposal in this section AND indicate the impact of this amendment proposal for each of the following:

- The effect of the proposal on the cost of review:  □ Increase  □ Reduce  □ No Effect
- The effect of the proposal on the cost of enforcement/inspection:  □ Increase  □ Reduce  □ No Effect