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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Organization: Structural Engineers Association of Colorado (SEAC) - Denver Building Department Liaison Committee

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Signature: ______________________________

AMENDMENT PROPOSAL

Please use a separate form for each proposal.

1) Code(s) associated with this proposal. Please use acronym: DBC-IBC amendments and DBC-IEBC amendments

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>
</thead>
<tbody>
<tr>
<td>DBC-xxxx</td>
<td>Denver Building Code–xxxx (code) amendments (e.g., DBC-IBC, DBC-IEBC)</td>
</tr>
<tr>
<td>IBC</td>
<td>International Building Code</td>
</tr>
<tr>
<td>IEBC</td>
<td>International Existing Building Code</td>
</tr>
<tr>
<td>IECC</td>
<td>International Energy Conservation Code</td>
</tr>
</tbody>
</table>

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:**
DBC-IBC Section 202 General Definitions
DBC-IEBC 202 General Definitions
Proposal:
Note: Show the proposal using strikeout, underline format. At the start of each section, give one of the following instructions:
  • Revise as follows:
  • Add new text as follows:
  • Delete and substitute as follows:
  • Delete without substitution:

Delete without substitution:

**[8]** DANGEROUS. Any building, structure or portion thereof that meets any of the conditions described below shall be deemed dangerous:

1. The building or structure has collapsed, has partially collapsed, has moved off its foundation or lacks the necessary support of the ground.
2. There exists a significant risk of collapse, detachment or dislodgement of any portion, member, appurtenance or ornamentation of the building or structure under service loads.
3. The ratio of the code-required demand, using strength design or load and resistance factor design load combinations per Chapter 16 of the International Building Code, excluding earthquake forces, to the in-place design capacity (strength), including design strength reduction factors or resistance factors, as appropriate, exceeds 1.5.

Supporting Information:

**Purpose:** State the purpose of the proposed amendment to physical, environmental and customary characteristics that are specific to the City and County of Denver (e.g., clarify the code; revise outdated material; substitute new or revised material for physical, environmental and customary characteristics; add new requirements to the code; delete current requirements, etc. to reflect physical, environmental and customary characteristics that are specific to the City and County of Denver)

The primary purpose of this amendment proposal is to return the Denver Building Code’s definition of Dangerous to agreement with the definition of Dangerous that is included in both the IBC and the IEBC, and which is identical to the definition indicated above without condition number 3. Because condition number 3 was added by amendment to the 2016 DBC, making this change means that there is no longer the need for a Denver amendment to the definition of Dangerous.

**Reasons:** Clearly justify the change to current code provisions, stating why the proposal is necessary to reflect physical, environmental and customary characteristics that are specific to the City and County of Denver. Proposals that add or delete requirements shall be supported by a logical explanation that clearly shows why the current code does not reflect physical, environmental and customary characteristics that are specific to the City and County of Denver and explains how such proposal will improve the code.

The definition of Dangerous in the 2018 IBC and IEBC is the same definition that has existed in these two model codes since as far back as 2009. There is nothing about Condition 3, added by amendment to the 2016 DBC, that reflects physical, environmental and/or customary characteristics that are specific to the City and County of Denver. As such, the current amendment should be deleted to bring Denver’s definition of Dangerous back into agreement with the model codes.

Condition 3, which was added by amendment to the 2016 DBC definition of Dangerous, is similar to a condition that was included in the 2003 and 2006 editions of the IEBC. The intent of the changes made to the definition of Dangerous beginning with the 2009 IBC and 2009 IEBC was to include buildings and structures that are clearly not performing, not those with theoretical demand-to-capacity issues. The extraordinary level of dangerousness described in the International Codes is limited to conditions that can be visually determined. These circumstances create significant burdens for owners, building officials, and design professionals, and triggering them should not be expanded based on a demand-to-capacity ratio that is inconsistent with the conditions and loadings identified in Conditions 1 and 2.

**Substantiation:** Substantiate the proposed amendment based on technical information and substantiation. Substantiation provided which is reviewed and determined as not germane to the technical issues addressed in the proposed amendment shall be identified as such.

Condition 3, which was added by amendment to the 2016 DBC definition of Dangerous, is similar to a condition that was included in the 2003 and 2006 editions of the IEBC, but was removed from the 2009 edition. The reason for its deletion, as indicated in both the 2008 ICC Public Hearing Results and the initiating Code Change Proposal that were instrumental in its removal, was as follows:

*The proposal makes the word “dangerous” more in line with the current engineering practice.*

**Bibliography:** Include a bibliography when substantiating material is associated with the amendment proposal. The proponent shall make the substantiating materials available for review.

**Referenced Standards:**

None.

*Note:* List any new referenced standards that are proposed to be referenced in the code.

**Impact:**

This proposal is less restrictive than what is currently in the DBC-IEBC, so there could be a reduction in cost effects on a building owner. The proposal puts Denver’s definition of Dangerous back in line with the I-Codes, and, as such, will be no more restrictive than the I-Code provision.

*Note:* 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 construction:  
  - ☐ Increase  ☐ Reduce  ☒ No Effect
- 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