Code Amendment Proposal Form
For public amendments proposed to the 2021 editions of the International Codes

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

All proposals must be received by July 23, 2021.

CONTACT INFORMATION
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Organization or Representing Self: Denver International Airport

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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

If you submitted a separate coordination change to another code, please indicate which code:

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
<th>Acronym</th>
<th>Code Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBC</td>
<td>International Building Code</td>
<td>IRC</td>
<td>International Residential Code</td>
</tr>
<tr>
<td>IEBCC</td>
<td>International Existing Building Code</td>
<td>IMC</td>
<td>International Mechanical Code</td>
</tr>
<tr>
<td>IECC</td>
<td>International Energy Conservation Code</td>
<td>IPC</td>
<td>International Plumbing Code</td>
</tr>
<tr>
<td>DGC</td>
<td>Denver Green Code</td>
<td>DGC</td>
<td>Denver Green 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 Appendix S, 4.8

Note: If the proposal is for a new section, indicate (new).
Proposal:
Revise as follows:

4.8 Emergency Power

4.8.1 Emergency Power. Airport terminal and concourse buildings shall be provided with an emergency power source. Emergency power shall be provided by dual utility services or other approved means complying with NFPA 70, (NEC) Article 700 and the International Fire Code. Conditions of utility service availability and system power transfer shall be monitored by the fire alarm system.

4.8.2 The following equipment shall be provided with emergency power:
1. Mechanical equipment for smoke control.
2. Egress and exit lighting.
3. Elevator power and all associated elevator equipment.
4. Fire alarm and detection systems.
5. Fire pump/jockey pump.
6. Emergency communication systems.
7. Escalators and all associated escalator equipment
8. Moving walkway and all associated equipment.
10. Two-way Hardwired Fire Department Telephone Communication System

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:

Supporting Information:
The purpose of this change is to clarify the battery backup requirements for emergency systems located throughout the airport. These requirements will apply to the Public and non-public areas of the Airport. to clarify the power requirements of escalators and moving walkways so that they do not get put on emergency power for future projects. Since they cannot be used as a means of egress during an emergency there is no reason for them to be on emergency power.

The reason is to clarify the expectations of which emergency systems will need to be on battery backup power. The unique power distribution system at the airport makes it difficult for Engineers and reviewers to determine which systems need battery backup power and the runtime associated with each system. we withdrew the proposed section of 4.8.3 is after discussions with Fire and Building departments, it was agreed on by all parties that these conditions are already covered under existing codes and/or are not desired to be incorporated into appendix S. Instead, we are proposing this change for escalators and moving walkways to be more consistent with what is desired for new installations at DEN.

This change is expected to clarify which emergency systems will need to be on battery backup power. The runtimes have been coordinated with DFD and these are the minimums that they expect for future installations. will remove escalators and moving walkways from being required to be on emergency power for all future projects at DEN.

Note: This section MUST include these items:
• 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)
• 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.

- **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.
- **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:**

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

**Impact:**

The impact is to clear up any misunderstanding as to what needs to be on battery backup power and to standardize the backup on the specific systems. This will help to lower cost of construction in terms of change orders as these requirements are not currently written down anywhere and will also reduce the cost of design as meetings with Engineers will no longer be required. This proposal is just clarifying the existing codes so that everyone is on the same page as to what is required.

The impact is to clear up any misunderstanding of what type of power to use for newly installed walkways and escalators. When the airport was built some were put on normal power and some were put on emergency power and it was not clear what was required and/or desired. This change will remove the emergency power requirement so that there is no confusion moving forward.

**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