

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

Name: Roger Blasco **Date:** 5/3/2022
Phone: (303) 342-2265 **E-mail:** Roger.blasco@flydenver.com
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: _____

<u>Acronym</u>	<u>Code Name</u>	<u>Acronym</u>	<u>Code Name</u>
DBC-AP	Denver Building Code–Administrative Provisions	IFC	International Fire Code
DBC-xxx	Denver Building Code–xxx (code) amendments (e.g., DBC-IBC, DBC-IEBC)	IFGC	International Fuel Gas Code
IBC	International Building Code	IRC	International Residential Code
IEBC	International Existing Building Code	IMC	International Mechanical Code
IECC	International Energy Conservation Code	IPC	International Plumbing Code
		DGC	Denver Green Code

- 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.~~

7. Emergency Responder Radio Enhancement coverage Systems (RES)

8. Two-way Hardwired Fire Department Telephone Communication System

9. Two-way Communication System Section 1009.8 of the International Building Code.

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

