DENVER AMENDMENT PROPOSAL FORM
FOR CPD INTERNAL PROPOSALS TO THE 2016 DENVER BUILDING CODE AMENDMENTS AND THE 2018 INTERNATIONAL CODES

2018 CODE DEVELOPMENT CYCLE

1) Name: Keith Morgan Date: 3/19/2019

2) Proposals should be drafted in Word with the only formatting that is needed being BOLDING, STRIKEOUT AND UNDERLINING. Please do not provide additional formatting such as tabs, columns, etc.

Please use a separate form for each proposal submitted.

Is separate graphic file provided? ☐ Yes ☒ No

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
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<tbody>
<tr>
<td>DBC-xxx</td>
<td>Denver Building Code-xxx code base</td>
<td>IFC</td>
<td>International Fire Code</td>
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<td>IBC</td>
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<td>IECC</td>
<td>International Energy Conservation Code</td>
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AMENDMENT PROPOSAL

Please provide all of the following items in your amendment proposal.

**Code Sections/Tables/ Figures Proposed for Revision:**

DBC-IBC
New Section 3.3.9
New Section 3.3.10
Section 4.1.6
Section 4.5.2 II.1., 4.5.2.1, 4.5.2.5
Section 4.6.1, 4.6.3, 4.6.5, 4.6.6, 4.6.7
Section 4.8.2.6
Section 6.2.10, 6.2.12,
Section 7.2

**Note:** If the proposal is for a new section, indicate (new).

**Proposal:**

- **Add new text as follows: 3.3.9:** Kiosk - a general term applied to generic structures that include booths, concession stands, carts, inline concessions, fixed advertising and wayfinding displays.
- **Add new text as follows: 3.3.10:** Concourse - A fully enclosed portion of the airport terminal buildings used for passenger handling and aircraft flight service functions provisions for parking aircraft on one or more sides.
- **Add new text as follows:** Section 4.1.6 Permits required.
- All work in airport terminal buildings, aircraft loading walkways and subsurface tunnels shall be subject to construction permit requirements as directed by the Building and Fire Code Officials. This applies to both permanent and temporary construction,
equipment installation, sleeping pods, kiosks and floor-mounted vending and advertising displays, construction trailers, batch plant trailers and equipment, deicing tanks, storage containers or sheds, exterior generators, and fueling farm equipment.

- **Add new text as follows: 4.5.2.11.** Smoke detectors shall be installed on...
- **Add new text as follows: 4.5.2.1.** Fire alarm system central station monitoring shall be provided by an approved radio communicator transmitting directly to DFD dispatch in accordance with IFCA Section 917.
- **Add new text as follow: 4.5.2.5.** A firefighter radio communication system shall be provided in accordance with IFCA Section 510 Emergency Responder Radio Enhancement Coverage System (RES) or shall be integrated into the existing DIA Public Safety Communications Network with Denver Fire approval. Two-way hardwired Fire Department telephone communication system shall also be provided by fixed handsets in accordance with IFCA Section 907.2.13.2.1. Handsets for the Main Terminal building shall be located at: the FCC’s on Main Terminal level 6, Airport Terminal Building fire pump rooms, and the Life Safety Maintenance Room on Main Terminal level 3. Any handset shall permit communication with all other handsets in the building simultaneously. New Airport Terminal Buildings shall have two-way wired communication between the FCC and fire pump room(s) as approved.
- **Add new text as follows: 4.6.1** ...Airport Terminal Building smoke control exhaust operating sequence and shall be separated by an 18-inch draft curtain/draft stop with closely spaced sprinklers in accordance with NFPA 13 Section 9.3.5 and smoke detectors in accordance with IBCA Section 4.5.2 in the tenant space.
- **Add new text as follows: 4.6.3** Tenant Spaces and similar rooms adjoining the Passenger Airport Terminal Buildings: All continuous tenant spaces adjoining the airport terminal building which exceed 5,000 ft² (465m²) shall be a separate smoke control zone per Section 4.6.1. Separate smoke zones must be separated by a smoke partition or an 18-inch draft curtain/draft stop with closely spaced sprinklers installed in accordance with NFPA 13 Section 9.3.5 and smoke detectors in accordance with IBCA Section 4.5.2 in the tenant space.
- **Add new text as follows: 4.6.5** Airport Terminal Building Baggage Handling Equipment and Automated Ground Transportation System (AGTS)
- **Add new text as follows: 4.6.6** Airport Terminal Building smoke control shall be automatically initiated when any automatic device (e.g. suppression water flow or automatic detection), activates within a smoke zone. Manual activation of smoke control equipment is required from any FCC fire alarm system workstation.

Exceptions:

1. Activation of any two (2) consecutive automatic detection devices in the same smoke zone (e.g. suppression water flow or automatic detection) shall be required to initiate the smoke control sequence for the following: Main Terminal Levels 5 and 6 and normally occupied public areas of Concourse Levels 2 and 3. Operation of a manual pull station shall function as a verification second device to initiate the smoke control sequence for the smoke zone containing the initial automatic detection device in alarm. A suppression water flow can function as a single automatic activation device or as the verification second device to the initial automatic detection device.

2. Manual activation from the FCC workstations shall be the only means permitted to initiate the smoke control sequence for the Main Terminal Great Hall, Baggage Handling Equipment Tunnels and AGTS Tunnels.

- **Add new text as follows: 4.6.7** Where multiple smoke control zones for the airport terminal building are provided either by the zone area requirements of this Section or by system design, only the smoke exhaust system for the zone in alarm shall be automatically activated. Smoke exhaust systems for adjacent airport terminal building zones shall not automatically activate but may be manually activated.
- **Add new text as follows: 4.8.2.6** Emergency communication systems including an Emergency Voice/alarm Communication System (ECS), Emergency Responder Radio Enhancement Coverage System (RES), and a Two-way Hardwired Fire Department Telephone Communication System.

- **Delete and substitute as follows:** Section 6.2.9, Section 6.2.11. 
- **Delete and substitute as follows:** 6.2.12 Fire alarm and ECS notification System. Permanently fixed aircraft loading walkways greater than 20 ft (6.10 m) in length or at grade level shall be provided with fire alarm visible and ECS audible notification.
- **Add new text as follows:** 7.2 Fire alarm and ECS notification System. Permanently fixed aircraft loading walkways greater than 20 ft (6.10 m) in length or at grade level shall be provided with fire alarm visible and ECS audible notification.

**Note:** Show the proposal using **strict**, _underline_ format. At the beginning of each section, one of the following instruction lines are also needed:

- Revise as follows
- Add new text as follows
- **Delete and substitute as follows**
- Delete without substitution

**Supporting Information:**

**Purpose:** The purpose of the proposed section and text additions is to clarify terms that were used elsewhere in the body of appendix S and to clarify the performance characteristics of systems and components.

**Reason:** The reason for the changes is to improve upon the current language and to further clarify the performance of existing systems.
Substantiation: Based on normally used definitions and technical provisions of NFPA 72.

Bibliography: not required.

Note: The following items are required to be included:

**Purpose:** The proponent shall clearly 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.)

**Reasons:** The proponent shall justify changing the 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 which clearly shows why the current does not reflect physical, environmental and customary characteristics that are specific to the City and County of Denver and explains how such proposals will improve the Code.

**Substantiation:** The proponent shall 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** (as needed): The proponent shall submit a bibliography when substantiating material is associated with the amendment proposal. The proponent shall make the substantiating materials available for review.

**Referenced Standards:**

No new referenced standards proposed.

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

**Impact:**

The impact is to clarify

Note: The proponent shall discuss the impact of the proposed amendment and indicate one of the following for each point below regarding the amendment proposal:

- The effect of the amendment proposal on the cost of construction; □ Increase □ Reduce □ No Effect
- The effect of the amendment proposal on the cost of design; □ Increase □ Reduce □ No Effect
- Is the amendment proposal more- or less-restrictive than the I-Codes; □ More □ Less □ Same

**Departmental Impact:**

By clarifying terms, it lessons uncertainty in how to enforce provisions.

Note: The proponent shall discuss the impact of the proposed amendment and indicate one of the following for each point below regarding the amendment proposal:

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