

CENTRAL IOWA CODE CONSORTIUM
 MEETING MINUTES
 JOINT FIRE AND BUILDING CODE COMMITTEE
 DMFD AMT
 Tactical Classroom
 2715 Dean Ave
 Des Moines, IA 50317
 October 18, 2018 8 AM – 10 AM
 Page 1 of 9

1. CALL TO ORDER

Chairman Phelan called meeting to order at 8:10 a.m.

2. ROLL CALL

MEMBER	PRESENT	ABSENT
Junker, J.	X	
Mullen, S.	X	
Oltrogee, S.	X	
Phelan, P.	X	
Strait, D.	X	
Whitsell, M.	X	
Williams J.	X	

Others in attendance at meeting Jeff Harden, Keith Rash, David Kuhn and Brian Bishop

3. AGENDA APPROVAL

Unanimous consent

4. AGENDA

703.2.3 Proposal to delete previous 2015 CICC amendment, (by Kuhn) APPROVED

703.2.3 Door Operation.

Swinging fire doors shall close from the full open position and latch automatically. The door closer shall:

1. Exert enough force to close and latch the door from any partially open position.
2. Be UL listed and of hydraulic type, spring type shall not be allowed.

The previous CICC amendment section number was IFC 703.2.3. The section has been relocated to 705.2.4 in the 2018 IFC. The current amendment has two points.

1. Exert enough force to close and latch the door from any partially open position.

This point was contained in the 2015 IFC language. However, it was removed from the 2018 IFC. I would recommend the CICC follow the lead and vetting process of the ICC code hearings and remove Point #1.

CENTRAL IOWA CODE CONSORTIUM
 MEETING MINUTES
 JOINT FIRE AND BUILDING CODE COMMITTEE
 DMFD AMT
 Tactical Classroom
 2715 Dean Ave
 Des Moines, IA 50317
 October 18, 2018 8 AM – 10 AM
 Page 2 of 9

2. Be UL listed and of hydraulic type, spring type shall not be allowed.

The intent of section 703.2.3 in the IFC is merely to ensure that a door closes and latches automatically under normal operating conditions. This is a simple test and can reasonably ensure that both new and existing doors will operate as intended. The type of hardware used, be it spring or hydraulic, is not appropriate to specify in this section. The standards for door hardware are contained in the IBC. If a change was to be made, it should be made to IBC Section 716.2. This section provides recognized standards to which Fire Door Assemblies must be tested. It's worth noting, the current CICC amendment language indicates door hardware can only be listed by UL, which is very problematic, but it also fails to provide the testing standard by which the hardware must be tested. I would urge the committee to remove Point #2.

MOTION to accept proposal as written: by Williams, 2nd by Junker

MEMBER	YEA	NAY	ABSTAIN
Junker, J.	X		
Mullen, S.	X		
Oltrogee, S.	X		
Phelan, P.	X		
Strait, D.	X		
Whitsell, M.		X	
Williams J.	X		

**713.3 & 707.5 Proposal to add type of construction requirements for shafts (by Harden)
 APPROVED**

IBC Section 713.3 Materials. Shaft enclosures shall be of the following materials.

713.3.1 – 1 Hour Shafts. Shafts that are allowed to have a fire resistance rating of 1 hour or less are allowed to be constructed of materials permitted by the building type of construction.

713.3.2 – 2 Hour Shafts. Shafts that are required to have a fire resistance rating of 2 hours or more serving Interior exit stairs or Interior exit ramps shall be constructed of concrete or masonry. All other shafts that are required to have a fire resistance rating of 2 hours or more shall be constructed of non-combustible materials.

CENTRAL IOWA CODE CONSORTIUM
 MEETING MINUTES
 JOINT FIRE AND BUILDING CODE COMMITTEE
 DMFD AMT
 Tactical Classroom
 2715 Dean Ave
 Des Moines, IA 50317
 October 18, 2018 8 AM – 10 AM
 Page 3 of 9

IBC Section 707.5 Continuity.
 Exceptions:

3. Shafts required to be constructed as per section 713.3.2 having exterior walls that are not required to be fire rated per section 707.4 shall be permitted to be constructed of materials permitted by the building type of construction so long as a complete non-combustible separation of 2 hours is provided between the shaft and adjoining structure. In addition, the provisions of section 1023.7 shall be met.

Numerous structures are being built that contain more than 3 stories thus requiring shafts to be 2-hour fire-resistance rating. The increased common type of construction utilized for these structures are of combustible materials. The construction techniques implemented are creating challenges whereas complete separation between the shafts and adjoining structure is not being maintained as required per IBC section 707.5. Implementing this proposal will also provide the following:

1. Greater occupant safety during tornado events – the majority of these structures do not have basements or “safe rooms” installed within.
2. Greater protection for Fire Fighter personnel. Similar to the goal stated in IBC section 403.2.3 this proposal increases the level of protection for first responders during an emergency event for structures that are not classified as “high-rise” but do require a greater degree or protection than buildings that are 3 stories or less.
3. Cleaner construction of the shaft walls. This will prevent structural framing members from protruding into or bearing on the shaft walls denigrating the integrity of the shaft wall. The field construction staff will have an easier time constructing framing adjacent to the shaft wall as opposed to what is previously being witnessed by building inspectors in the field.

Jeff Harden, City of Ankeny, provided committee with white board sketches illustrating the issues at hand. Discussions centered on value of CMU construction only.

MOTION to accept proposal as written: by Williams, 2nd by Strait

MEMBER	YEA	NAY	ABSTAIN
Junker, J.	X		
Mullen, S.	X		
Oltrogee, S.	X		
Phelan, P.	X		
Strait, D.	X		
Whitsell, M.	X		

CENTRAL IOWA CODE CONSORTIUM
MEETING MINUTES
JOINT FIRE AND BUILDING CODE COMMITTEE
DMFD AMT
Tactical Classroom
2715 Dean Ave
Des Moines, IA 50317
October 18, 2018 8 AM – 10 AM

Page 4 of 9

Williams J.	X		
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1008.3.1 Proposal to delete previous 2015 CICC Amendment (by Harden) APPROVED

Existing Text to be struck:

"Section 1008.3.1. General

In the event of the power supply failure in rooms and spaces 400 square feet or greater an emergency electrical system shall automatically illuminate all the following areas:

1. Aisles
2. Corridors
3. Exit access stairways and ramps"

Discussion included that it is believed the intent is to require rooms that are 400 square feet in area to be required to have emergency lighting. The adopted provision does not require rooms that are 400 square feet or more to have emergency lighting. This amendment only requires emergency lighting for rooms and/or spaces that are enumerated in items 1 through 3 regardless of the rooms' size. The provision eliminated the code requirement to mandate emergency lighting in rooms or spaces that require two means of egress. This provision actually raises the level of hazard of what is provided for in the code.

MOTION to accept proposal as written: by Mullen, 2nd by Junker

MEMBER	YEA	NAY	ABSTAIN
Junker, J.	X		
Mullen, S.	X		
Oltrogee, S.	X		
Phelan, P.	X		
Strait, D.	X		
Whitsell, M.			X
Williams J.	X		

CENTRAL IOWA CODE CONSORTIUM
 MEETING MINUTES
 JOINT FIRE AND BUILDING CODE COMMITTEE
 DMFD AMT
 Tactical Classroom
 2715 Dean Ave
 Des Moines, IA 50317
 October 18, 2018 8 AM – 10 AM
 Page 5 of 9

1008.3.1 Proposal to amend previous 2015 CICC Amendment to existing 2018 Coode language (by Bishop) DENIED

CICC Amendment:

1008.3.1 General.

In the event of the power supply failure in rooms and spaces 400 square feet or greater an emergency electrical system shall automatically illuminate all of the following areas:

1. Aisles.
2. Corridors.
3. Exit access stairways and ramps.

Proposed Text:

1008.3.1 General. In the event of power supply failure in rooms and spaces that require two or more means of egress, an emergency electrical system shall automatically illuminate all of the following areas:

1. Aisles.
2. Corridors.
3. Exit access stairways and ramps

Discussion included deleting the CICC amendment and replace with 2018 IBC/ IFC code text. The code is very specific that emergency lighting is only required when two or more means of egress is required. The inclusion of rooms or spaces 400 square feet or greater seems excessive. Storage rooms or similar accessory spaces that are not frequently accessed and have smaller occupant loads would require emergency illumination.

MOTION to deny proposal as written: by Oltrogee, 2nd by Williams

MEMBER	YEA	NAY	ABSTAIN
Junker, J.	X		
Mullen, S.	X		
Oltrogee, S.	X		
Phelan, P.	X		
Strait, D.	X		
Whitsell, M.	X		
Williams J.	X		

CENTRAL IOWA CODE CONSORTIUM
 MEETING MINUTES
 JOINT FIRE AND BUILDING CODE COMMITTEE
 DMFD AMT
 Tactical Classroom
 2715 Dean Ave
 Des Moines, IA 50317
 October 18, 2018 8 AM – 10 AM
 Page 6 of 9

1008.3.2 Proposal to amend previous 2015 CICC Amendment to existing 2018 Code language (by Bishop) DENIED

Existing text to be struck:
 Section 1008.3.2. Buildings

In the event of the power supply failure in rooms and spaces 400 square feet or greater an emergency electrical system shall automatically illuminate all of the following areas:

1. Interior exit access stairways and ramps
2. Interior and exterior exit stairways and ramps
3. Exit Passageways
4. Vestibules and areas on the level of exit discharge used for exit discharge in accordance with Section 1028.1
5. Exterior landings as required by Section 1010.1.6 for exit doorways that lead directly to the exit discharge.

MOTION to deny proposal by Junker, 2nd by Oltrogee

1008.3.2 DENIED

MEMBER	YEA	NAY	ABSTAIN
Junker, J.	X		
Mullen, S.	X		
Oltrogee, S.	X		
Phelan, P.	X		
Strait, D.	X		
Whitsell, M.			X
Williams J.	X		

1008.3.2 Proposal to delete previous 2015 CICC amendment (by Hardin) APPROVED

Existing text to be modified:

1008.3.2 Buildings. In the event of power supply failure in buildings that require two or more means of egress, an emergency electrical system shall automatically illuminate all of the following areas:

1. Interior exit access stairways and ramps.
2. Interior and exterior exit stairways and ramps.
3. Exit passageways.
4. Vestibules and areas on the level of discharge used

CENTRAL IOWA CODE CONSORTIUM
 MEETING MINUTES
 JOINT FIRE AND BUILDING CODE COMMITTEE
 DMFD AMT
 Tactical Classroom
 2715 Dean Ave
 Des Moines, IA 50317
 October 18, 2018 8 AM – 10 AM

Page 7 of 9

for exit discharge in accordance with Section 1028.1.

5. Exterior landings as required by Section 1010.1.6

for exit doorways that lead directly to the exit discharge.

Proposed Text:

1008.3.2 Buildings. In the event of power supply failure in buildings that require two or more means of egress, an emergency electrical system shall automatically illuminate all of the following areas:

1. Interior exit access stairways and ramps.
2. Interior and exterior exit stairways and ramps.
3. Exit passageways.
4. Vestibules and areas on the level of discharge used for exit discharge in accordance with Section 1028.1.
5. Exterior landings as required by Section 1010.1.6 for exit doorways that lead directly to the exit discharge.

MOTION to accept proposal by Junker; 2nd by Williams

MEMBER	YEA	NAY	ABSTAIN
Junker, J.	X		
Mullen, S.	X		
Oltrogee, S.	X		
Phelan, P.	X		
Strait, D.	X		
Whitsell, M.	X		
Williams J.	X		

1008.3.3 Proposal to amend previous 2015 CICC Amendment to existing 2018 Code language (by Bishop) DENIED

Existing text to be modified:

Amend CICC amendment for this section to revert to 2018 IBC language. Replace item #5 with the following language:

5. Restrooms containing more than one water closet/ urinal or that are accessible.

Proposed Text:

1008.3.3 Rooms and spaces. In the event of power supply
 IBC-IFC Correlating Committee, 2018

CENTRAL IOWA CODE CONSORTIUM
 MEETING MINUTES
 JOINT FIRE AND BUILDING CODE COMMITTEE
 DMFD AMT
 Tactical Classroom
 2715 Dean Ave
 Des Moines, IA 50317
 October 18, 2018 8 AM – 10 AM

Page 8 of 9

failure, an emergency electrical system shall automatically illuminate all of the following areas:

1. Electrical equipment rooms.
2. Fire command centers.
3. Fire pump rooms.
4. Generator rooms.
5. Public restrooms with an area greater than 300 square feet

Discussion:

Justification offered included: The original intent for the code change to require emergency lighting in large restrooms was to get people to an exit since it might be confusing with no natural lighting, many doors and twist and turns. Requiring emergency lighting in most all restrooms seems excessive.

Committee agreed

Motion to accept by Junker; 2nd by Whitsell

MEMBER	YEA	NAY	ABSTAIN
Junker, J.	X		
Mullen, S.	X		
Oltrogee, S.	X		
Phelan, P.	X		
Strait, D.	X		
Whitsell, M.	X		
Williams J.	X		

1008.3.3 Proposal to delete previous 2015 CICC Amendment (by Hardin) APPROVED

Existing text to be struck:

“5.” Restrooms containing more than one water closet/urinal or that are accessible.

Discussion:

The CICC amendment does not appear to achieve what it is intended to do. This amendment would mandate that all single user bathrooms in hotels and apartments have emergency lighting. There are 3 types of accessibility per the code for dwelling and sleeping units. The language is generalized and does not specify what level of accessibility is required. If it is for full handicap accessibility then this provision will still require emergency lighting in a residential unit/sleeping unit that requires a handicap accessible bathroom.

CENTRAL IOWA CODE CONSORTIUM
 MEETING MINUTES
 JOINT FIRE AND BUILDING CODE COMMITTEE
 DMFD AMT
 Tactical Classroom
 2715 Dean Ave
 Des Moines, IA 50317
 October 18, 2018 8 AM – 10 AM

Page 9 of 9

Another example is that the current language would also mandate that a bathroom that is less than 50 square feet, that is either provided with a water closet and a urinal or is required to be accessible, in a tenant space that is less than 400 square feet and is not required two means of egress, be provided with emergency lighting. Nowhere else in the tenant space would emergency lighting be required except in the bathroom.

Motion to approve by Whitsell; 2nd by Mullen

MEMBER	YEA	NAY	ABSTAIN
Junker, J.	X		
Mullen, S.	X		
Oltrogee, S.	X		
Phelan, P.	X		
Strait, D.	X		
Whitsell, M.	X		
Williams J.	X		

6. OTHER BUSINESS

M. Whitsell will provide additional modified language for committee to consider related to 1008.3.3 at future meeting.

7. SET UPCOMING MEETING DATES

Next meeting date is Thursday, November 29 at 8 a.m. and Thursday, December 13 at 8 a.m.

8. ADJOURNMENT

Motion to adjourn was unanimously approved.