Public Comment No. 1-NFPA 520-2013 [ Section No. 3.3.8 ]

3.3.8 Noncombustible Material (see 4).

A material that, in the form in which it is used and under the conditions anticipated, will not ignite, burn, support combustion, or release flammable vapors, when subjected to fire or heat. Materials that are reported as passing ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C, shall be considered noncombustible materials. [5000, 2009]

Statement of Problem and Substantiation for Public Comment

The intent of this public comment is to make NFPA 520 consistent with NFPA 5000, NFPA 101, NFPA 1 and others, where the definition of noncombustible material has been moved to comply with NFPA rules. In NFPA 5000 the definition reads "See 7.1.4.1" and section 7.1.4.1 is as follows:

7.1.4.1* Noncombustible Material.

7.1.4.1.1 A material that complies with any one of the following shall be considered a noncombustible material:

(1)* The material, in the form in which it is used, and under the conditions anticipated, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat.

(2) The material is reported as passing ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 Degrees C.

(3) The material is reported as complying with the pass/fail criteria of ASTM E 136 when tested in accordance with the test method and procedure in ASTM E 2652, Standard Test Method for Behavior of Materials in a Tube Furnace with a Cone-shaped Airflow Stabilizer, at 750 Degrees C.

The annex of NFPA 5000 reads:
A.7.1.4.1 The provisions of 7.1.4.1 do not require inherently noncombustible materials to be tested in order to be classified as noncombustible materials.
A.7.1.4.1.1(1) Examples of such materials include steel, concrete, masonry and glass.

Submitter Information Verification
<table>
<thead>
<tr>
<th><strong>Submitter Full Name:</strong></th>
<th>Marcelo Hirschler</th>
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<tbody>
<tr>
<td><strong>Organization:</strong></td>
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<td><strong>Submittal Date:</strong></td>
<td>Wed Oct 16 14:59:45 EDT 2013</td>
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**Committee Statement**

<table>
<thead>
<tr>
<th><strong>Committee Action:</strong></th>
<th>Rejected</th>
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<tbody>
<tr>
<td><strong>Resolution:</strong></td>
<td>This violates the NFPA Manual of Style</td>
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</table>
4.1* Noncombustible material [NFPA 5000, 2015]
4.1.1 A material that complies with any one of the following shall be considered a noncombustible material:
(1)*The material, in the form in which it is used, and under the conditions anticipated, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat
(2) The material is reported as passing ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 Degrees C
(3) The material is reported as complying with the pass/fail criteria of ASTM E 136 when tested in accordance with the test method and procedure in ASTM E 2652, Standard Test Method for Behavior of Materials in a Tube Furnace with a Cone-shaped Airflow Stabilizer, at 750 Degrees C [NFPA 5000-2015]
A.4.1 The provisions of 4.1 do not require inherently noncombustible materials to be tested in order to be classified as noncombustible materials. [NFPA 5000, 2015]
A.4.1.1 The provisions of 4.1 do not require inherently noncombustible materials to be tested in order to be classified as noncombustible materials. [NFPA 5000, 2015]

Statement of Problem and Substantiation for Public Comment

This extracts the section of NFPA 5000 dealing with noncombustible material. This is intended to precede existing section 4.1.

Related Public Comments for This Document

<table>
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<tr>
<th>Related Comment</th>
<th>Relationship</th>
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<tbody>
<tr>
<td>Public Comment No. 1-NFPA 520-2013 [Section No. 3.3.8]</td>
<td></td>
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</tbody>
</table>

Submitter Information Verification

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Submittal Date: Wed Oct 16 15:09:38 EDT 2013

Committee Statement

Committee Action: Rejected
Resolution: This violates the NFPA Manual of Style
Refuge areas and/or refuge chambers shall be provided with positive pressure of 0.05 in./wg (inches/water gauge) (12.5 Pa) relative to the adjacent space.

Statement of Problem and Substantiation for Public Comment

This section appears to have been overlooked when updating the rest of the standard to reference "refuge areas and/or refuge chambers". This comment updates the section to conform to the rest of the revised sections.

Submitter Information Verification

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Submittal Date: Mon Nov 11 20:18:13 EST 2013

Committee Statement

Committee Action: Accepted
Resolution: SR-1-NFPA 520-2014
Statement: This section appears to have been overlooked when updating the rest of the standard to reference "refuge areas and/or refuge chambers". This comment updates the section to conform to the rest of the revised sections.
5.8.2.6 Two-way voice communications to capabilities with the fire command center shall be provided in each refuge area and/or refuge chamber.

Statement of Problem and Substantiation for Public Comment

The existing requirement was vague and did not provide the same level of detail as the adjacent requirements. This comment helps to better explain the intent of this section.

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Submittal Date: Mon Nov 11 20:22:37 EST 2013

Committee Statement

Committee Action: Accepted
Resolution: SR-2-NFPA 520-2014
Statement: The existing requirement was vague and did not provide the same level of detail as the adjacent requirements. This comment helps to better explain the intent of this section.
Public Comment No. 5-NFPA 520-2013 [ Section No. 5.8.2.7 ]

5.8.2.7

Areas of refuge. Refuge areas and/or refuge chambers, shall be separated from the remainder of the subterranean space by walls with at least a 2-hour fire resistance rating.

Statement of Problem and Substantiation for Public Comment

This comment updates this section to comply with the updates to other sections regarding the verbiage "refuge areas and/or refuge chambers".

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Submittal Date: Mon Nov 11 20:28:01 EST 2013

Committee Statement

Committee Action: Accepted
Resolution: SR-3-NFPA 520-2014
Statement: This comment updates this section to comply with the updates to other sections regarding the verbiage "refuge areas and/or refuge chambers".
5.9.1
An exit passageway or exit enclosure shall be separated from the remainder of the space by walls with at least a 1 1/2-hour fire resistance rating.

Statement of Problem and Substantiation for Public Comment

Since exit passageways are allowed to be used in lieu of refuge areas and/or refuge chambers (see section 5.8.1), they should afford at least the same level of protection to occupants. The term "exit enclosure" is not defined in chapter 3 and could lead to confusion in the application of this section.

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Committee Statement

Committee Action: Accepted
Resolution: SR-4-NFPA 520-2014
Statement: The term "exit enclosure" is not defined in chapter 3 and could lead to confusion in the application of this section. The committee finds that the change from one to two hours is new material and rejects that part of the PC.
5.9.2
An exit passageway or exit enclosure shall be supplied with outside air sufficient to provide positive pressure of 0.05 in./wg (12.5 Pa) relative to the adjacent subterranean space.

Statement of Problem and Substantiation for Public Comment

The term "exit enclosure" is not defined in chapter 3 and could cause confusion as to the application of this section.

Submitter Information Verification

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Submittal Date: Mon Nov 11 20:37:04 EST 2013

Committee Statement

Committee Action: Accepted
Resolution: SR-5-NFPA 520-2014
Statement: The term "exit enclosure" is not defined in chapter 3 and could cause confusion as to the application of this section.