



# PUBLIC CODE CHANGE PROPOSAL FORM FOR PUBLIC PROPOSALS IN THE INTERNATIONAL CODES

## 2007/2008 CODE DEVELOPMENT CYCLE

**CLOSING DATE: All Proposals Must Be Received by August 20, 2007**

The 2007/2008 Code Development Hearings are tentatively scheduled for  
February 18 – March 2, 2008, location TBD.

1) **Name:** Tom Joseph **Date:** 19 August 2007  
**Jurisdiction/Company:**  
**Submitted on Behalf of:** Hydrogen Industry Panel on Codes (HIPOC)  
**Address:**  
**City:** **State:** **Zip Code:**  
**Phone:** **Ext.** **Fax:** **E-mail address:**

2) **Copyright Release:** In accordance with Council Policy #28 Code Development, all Code Change Proposals, Floor Modifications and Public Comments are required to include a copyright release. A copy of the copyright release form is included at the end of this form. Please follow the directions on the form. This form as well as an alternative release form can also be downloaded from the ICC website at [www.iccsafe.org](http://www.iccsafe.org). If you have previously executed the copyright release, please check the box below:

2007/2008 Cycle copyright release on file

3) Indicate appropriate International Code(s) associated with this Public Proposal – Please use Acronym: IFC  
 If you have also submitted a separate coordination change to another I-Code, please indicate the code: \_\_\_\_\_  
 (See section below for list of names and acronyms for the International Codes).

4) **Be sure to format your proposal and include all information as indicated on Page 2 of this form.**

5) Proposals should be sent to the following offices via regular mail or email. An e-mail submittal is preferred, including an electronic version, in either Wordperfect or Word. The only formatting that is needed is **BOLDING**, ~~STRIKEOUT~~ AND UNDERLINING. Please do not provide additional formatting such as tabs, columns, etc., as this will be done by ICC. **REMOVE TRACKING CHANGES, AUTOMATIC NUMBERING, OR ANY OTHER ADVANCED FORMATTING TOOLS THAT ARE PROVIDED BY WORD, FROM FILES CONTAINING YOUR CODE CHANGE PROPOSAL THAT YOU SEND TO ICC.**

Please use a separate form for each proposal submitted. Note: All code changes received will receive an acknowledgment.

Please check here if separate graphic file provided.

Graphic materials (Graphs, maps, drawings, charts, photographs, etc.) must be submitted as separate electronic files in .CDR, .IA, .TIF or .JPG format (300 DPI Minimum resolution; 600 DPI or more preferred) even though they may also be embedded in your Word or Wordperfect submittal.

**Code**

- IBC - International Building Code
- IEBC - International Existing Building Code
- IFC - International Fire Code
- IFGC - International Fuel Gas Code
- IPC - International Plumbing Code
- IPSDC - International Private Sewage Disposal Code
- IPMC - International Property Maintenance Code
- IWUIC - International Wildland-Urban Interface Code
- IZC - International Zoning Code
- ELECT - International Code Council Electrical Code– Administrative Provisions

**Send to:**

International Code Council  
 Chicago District Office  
 Attn: Diane Schoonover  
 4051 West Flossmoor Road  
 Country Club Hills, IL 60478-5795  
 Fax: 708/799-0320  
[codechanges@iccsafe.org](mailto:codechanges@iccsafe.org)

- IECC - International Energy Conservation Code
- ICC PC - ICC Performance Code
- IMC - International Mechanical Code
- IRC - International Residential Code

International Code Council  
 Birmingham District Office  
 Attn: Annette Sundberg  
 900 Montclair Road  
 Birmingham, AL 35213-1206  
 Fax: 205/592-7001  
[codechangesbhm@iccsafe.org](mailto:codechangesbhm@iccsafe.org)

## CODE CHANGE PROPOSAL

Please provide all of the following items in your code change proposal. Your proposal may be entered on the following form, or you may attach a separate file. However, please read the instructions provided for each part of the code change proposal. The sections identified in parentheses are the applicable sections from CP #28 Code Development. The full procedures can be downloaded from [www.iccsafe.org](http://www.iccsafe.org).

### **Code Sections/Tables/Figures Proposed for Revision (3.3.2):**

IFC 2209.5.1.1

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

### **Name/Company/Representing (3.3.1):**

Tom Joseph, Chair, Hydrogen Industry Panel on Codes (HIPOC)

**Note:** You must indicate your name and the full name of who you are representing. Do not use acronyms.

**Proposal:** **NOTE: PLEASE READ ITEM 5) of the first page of this form for formatting instructions.**

**2209.5.1.1 Vehicle fueling pad.** The vehicle ~~fueling pad~~ shall be fueled on non-coated concrete or a another suitable paving material having a resistivity resistance not exceeding 1 megohm as determined by an approved method the methodology specified in DIN EN 1081:1998 "Resilient Floor Coverings – Determination of the electrical resistance."

**Note:** Show the proposal using ~~strikeout~~, 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

Note: The only formatting that is needed is **BOLDING, ~~STRIKEOUT~~ AND UNDERLINING**. Please do not provide additional formatting such as tabs, columns etc. as this will be done by ICC. **DO NOT USE THE TRACKING CHANGES OPTION, AUTOMATIC NUMBERING, OR ANY OTHER ADVANCED FORMATTING TOOLS PROVIDED BY WORD.**

### **Supporting Information (3.3.4 & 3.4):**

The proposed changes retain the original intent of this section while correcting some incorrect language and providing additional guidance for the code official. These changes address concerns voiced by ICC members during the last code cycle regarding the specified units and the request for additional guidance for the code official by using a referenced standard.

Units: Megohms are the appropriate measurement of resistance, not resistivity.

Referenced Standard: The referenced EN standard 1081:1998, which now has DIN status, is the best available standard that is applicable to measuring resistance of vehicle fueling pads. With this change the official still has the option to use another approved method, but DIN EN 1081:1998 is the referred method for measurement if non-coated concrete is not used. It may be worth noting that DIN EN 1081:1998 was created using an open, transparent and consensus-based process similar to the procedures used by ANSI-approved standard development organizations.

These proposed changes will retain the original intent of this section to dissipate static electricity built up on the vehicle from driving before the driver's door is opened--with corrected language and better guidance. The overall goal is to increase the safety of vehicle fueling. Concrete is allowed for the fueling pad with no resistance measurements needed; if an alternate material is desired, it can be used as long as it has a resistance less than or equal to 1 megohm. Both the concrete and 1 megohm criteria are cited from the American Petroleum Institute (API) 2003 Recommended Practices (RP), section 4.6.9.2. NFPA 77: *Recommended Practice on Static Electricity*, section 7.4.1.3 also points out that a resistance of 1 megohm or less is considered adequate to dissipate any charges. Additionally, the proposed language has been proposed by the State of Michigan, Department of Environmental Quality – Waste and Hazardous Materials Division for Michigan's *Hydrogen Storage and Dispensing Rules*, and is consistent with changes proposed under the current cycle to NFPA 55-2005,

***Standard for the Storage, Use, and Handling of Compressed Gasses and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks.***

**Note:** The following items are required to be included:

1. The proponent shall clearly state the purpose of the proposed code change (e.g., clarify the Code; revise outdated material; substitute new or revised material for current provision of the Code; add new requirements to the Code; delete current requirements, etc.)
2. The proponent shall justify changing the current code provisions, stating why the proposal is superior to the current provisions of the Code. Proposals that add or delete requirements shall be supported by a logical explanation which clearly shows why the current Code provisions are inadequate or overly restrictive, specifies the shortcomings of the current Code provisions and explains how such proposals will improve the Code.
3. The proponent shall substantiate the proposed code change based on technical information and substantiation. Substantiation provided which is reviewed in accordance with Section 4.2 and determined as not germane to the technical issues addressed in the proposed code change shall be identified as such. The proponent shall be notified that the proposal is considered an incomplete proposal in accordance with Section 4.3, and the proposal shall be held until the deficiencies are corrected. The proponent shall have the right to appeal this action in accordance with the policy of the ICC Board. The burden of providing substantiating material lies with the proponent of the code change proposal. A minimum of two copies of all substantiating information shall be submitted. **(3.4)**
4. The proponent shall submit a bibliography of any substantiating material submitted with the code change proposal. The bibliography shall be published with the code change and the proponent shall make the substantiating materials available for review at the appropriate ICC office and during the public hearing.

**Referenced Standards (3.4 & 3.6):**

List any new referenced standards that are proposed to be referenced in the code and provide a minimum of two copies. For ICC rules on referenced standards, see Section 3.6 of CP #28.

**Cost Impact (3.3.4.6):**

**Note:** The proponent shall indicate one of the following regarding the cost impact of the code change proposal:

- 1) The code change proposal will increase the cost of construction; or
- 2) The code change proposal will not increase the cost of construction.

This information will be included in the published code change proposal.

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2007/2008 PROPOSALS, MODIFICATIONS and PUBLIC COMMENTS  
SUBMITTED ON  
ICC CODES  
PRODUCED & PUBLISHED BY THE  
(March 28, 2007)  
INTERNATIONAL CODE COUNCIL

This form is required for all Proposals, Floor Modifications and Public Comments submitted to the International Code Council. Only one signed Copyright release form is required for the entire 2007/2008 Cycle and will be kept on file and can be used for all Proposal, Floor Modification and Public Comment submittals you submit to ICC unless you represent multiple entities. An executed form is required for each entity represented.

I hereby grant and assign to ICC all rights in copyright I may have in any authorship contributions I make to ICC in the 2007/2008 Cycle in connection with any proposal and public comment, in its original form submitted or revised form, including written and verbal modifications submitted in accordance with Section 5.5.2 of CP #28. I understand that I will have no rights in any ICC publications that use such contributions in the form submitted by me or another similar form and certify that such contributions are not protected by the copyright of any other person or entity.

**Signature:** \_\_\_\_\_

Please type or print full name: \_\_\_\_\_

Jurisdiction/Company: \_\_\_\_\_

Entity Represented:  
\_\_\_\_\_

Contact info: Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Date signed: \_\_\_\_\_

PLEASE FAX OR MAIL THE SIGNED COPYRIGHT RELEASE TO:

**Fax: 708-799-0320**

**Mail: ICC Codes & Standards Development  
Chicago District Office  
4051 W. Flossmoor Road  
Country Club Hills, IL 60478-5795**