



NATIONAL FIRE PROTECTION ASSOCIATION

The leading information and knowledge resource on fire, electrical and related hazards

**NATIONAL ELECTRICAL CODE®
CODE-MAKING PANEL 14
NFPA 70
First Draft Meeting Agenda
January 8 - 10, 2018
Hilton Head, SC**

1. Call to Order. Michael Smith, Chair
2. Introductions.
3. Approval of Previous Meeting Minutes (Attachment A)
4. Staff Updates. NFPA Staff
 - Committee membership update. (Attachment B)
 - Annual 2019 revision cycle schedule. (Attachment C)
 - Overview of NFPA Process.
5. Review of Public Inputs
6. Old Business.
7. New Business.
8. Next Meeting, San Diego, CA, October 22 – November 3, 2018, schedule to be determined.
9. Adjourn.

Attachment A: Previous Meeting Minutes

Chairman's Report for NEC CMP 14



Robert A. Jones

- 1) NEC SD Meeting: November 9-11, 2015
- 2) A list of members and guests in attendance is attached.
See attendance roster
- 3) List names of guests addressing the Panel, the subject of their address, and the length of time they spoke:
 - Richard Loyd, Steel Tube Institute – section 501.10(B)(1) 15 minutes
 - Tim Waters, General Cable – PC 1341 15 minutes
 - Jeffrey M. Shapiro, International Code Consultants – PC 1580 & 1624 15 minutes
- 4) Number of Public Comments acted upon: 87
- 5) Number of Second Revisions created: 29
- 6) List any Task Groups appointed to work subsequent to the Second Draft Meeting, along with the names of members of the Task Group(s):
- 7) List any request contained in a Responses or Statement that require NEC Correlating Committee attention:
A multi-panel task group consisting of CMPs 14, 7, and 6 should be appointed to determine acceptance of wiring methods utilizing Type P cable (UL 1309) for mobility when rigging up and rigging down oil and gas well drilling land rigs and skid mounted oilfield equipment. Please refer to public comment 251 [section 504(B)].

8) List any Public Comments or Second Revisions, in your opinion, that needs to be referred to another TC for information or correlation:

9) List any Public Comments or Second Revisions that should be referred to the Toxicity Advisory Committee:

10) List all Public Comments and Second Revisions related to combustibles in plenums or other air handling spaces:

11) Identify any issues that should be brought to the attention of the NFPA Research Foundation for their input and assistance:

12) List any general requests for information or assistance from the NEC Correlating Committee:

13) Provide any additional information that you feel would be helpful to the NEC Correlating Committee, staff, or to the process in general:
How does automatic updating of NFPA standards affect extracted material in the NEC?

Panel 14 members in attendance:

| | |
|--------------------------|---|
| Robert A. Jones | Independent Electrical Contractors, Inc. |
| Harold G. Alexander | Electric Light & Power Group/EEI |
| Donald W. Ankele | UL LLC |
| Marc J. Bernsen | National Electrical Contractors Association |
| Steven J. Blais | National Electrical Manufacturers Association |
| Mark Goodman | American Petroleum Institute |
| Haywood Kines | International Association of Electrical Inspectors |
| William G. Lawrence, Jr. | FM Global |
| L. Evans Massey | Instrumentation, Systems, & Automation Society |
| William E. McBride | Institute of Electrical & Electronics Engineers, Inc. |
| Jeremy Neagle | US Bureau of Alcohol, Tobacco, Firearms & Explosives |
| Ryan Parks | Intertek Testing Services |
| John L. Simmons | International Brotherhood of Electrical Workers |
| David B. Wechsler | American Chemistry Council |
| Mark C. Wirfs | Grain Elevator and Processing Society |
| Dave Burns | American Petroleum Institute |
| Larry Burns | Independent Electrical Contractors, Inc. |
| Thomas E. Dunne | International Brotherhood of Electrical Workers |
| Mitch Feininger | International Association of Electrical Inspectors |
| Andrew Hernandez | Institute of Electrical & Electronics Engineers, Inc. |
| Richard A. Holub | American Chemistry Council |
| Edmund R. Leubner | National Electrical Manufacturers Association |
| Arkady Levi | Electric Light & Power Group/EEI |
| Eddie Ramirez | FM Global |
| Michael Aaron | TC on Airport Facilities JENSON HUGHES |
| Timothy J. Pope | Canadian Standards Association |

Guests in attendance:

| | |
|-----------------|---|
| Jeff Burris | Steel Tube Institute of North America |
| Elaine Thompson | Allied Tube |
| Christel Hunter | General Cable |
| Steve Trapp | Christenson Electrical |
| Tim Waters | General Cable |
| Richard Loyd | Steel Tube Institute of North America |
| Jeff Shapiro | International Codes Consultant |
| Eric Smith | International Institute of Ammonia Fefer. |
| Richard Barker | General Cable |
| Bryan Holland | NEMA |
| Dave Watson | Southwire |
| John Masarick | IEC |
| Patty Barron | Safety Quick Lighting & Fans |

| | |
|------------------|---------------------------------|
| David Campbell | Aluminum Associaton |
| Amy Cronin | Strategic Code Consultants, LLC |
| Lemuel Jackson | STI |
| Michael Fontaine | NESG |
| David Clements | IAEI |
| Ken Hengst | IEC |
| Mark Cloutier | NFPA |
| Bill Burke | NFPA |

Staff Liaisons

| | |
|---------------|------|
| Derek Vigstol | NFPA |
| Gil Moniz | NFPA |

Attachment B: Code-Making Panel Roster

Address List No Phone

12/19/2017
Mark W. Earley
NEC-P14

Code-Making Panel 14 National Electrical Code®

| | | | |
|---|---------------------------------|--|---------------------------------|
| Michael W. Smith Chair Schaeffer Electric Company 4667 Green Park Road St. Louis, MO 63123 National Electrical Contractors Association | IM 04/04/2017 NEC-P14 | Donald W. Ankele Principal UL LLC 333 Pfingsten Road Northbrook, IL 60062-2096 Alternate: Paul T. Kelly | RT 7/29/2005 NEC-P14 |
| Steven J. Blais Principal Appleton Group 9377 West Higgins Road Rosemont, IL 60018-4943 National Electrical Manufacturers Association Alternate: Edmund R. Leubner | M 10/27/2009 NEC-P14 | Corey Cahill Principal US Coast Guard 2703 Martin Luther King Jr. Avenue SE Washington, DC 20593-7509 | E 07/29/2013 NEC-P14 |
| Mark A Chrysler Principal City of San Diego Senior Electrical/Fire Alarm Inspector 9601 Ridgeway Court Suite 220 San Diego, CA 92123 International Association of Electrical Inspectors Alternate: Haywood Kines | E 04/04/2017 NEC-P14 | William T. Fiske Principal Intertek Testing Services 3933 US Route 11 South Cortland, NY 13045-9715 Alternate: Mark Temple | RT 12/06/2017 NEC-P14 |
| Mark Goodman Principal Mark Goodman Electrical Consulting 9591 Landfall Drive Huntington Beach, CA 92646-8211 American Petroleum Institute Alternate: Dave Burns | U 04/01/1996 NEC-P14 | William G. Lawrence, Jr. Principal FM Global 1151 Boston-Providence Turnpike PO Box 9102 Norwood, MA 02062-9102 Alternate: Eddie Ramirez | I 4/4/1997 NEC-P14 |
| L. Evans Massey Principal Baldor Electric Company 6040 Ponders Court Greenville, SC 29615 Instrumentation, Systems, & Automation Society Alternate: Ted H. Schnaare | M 3/21/2006 NEC-P14 | William E. McBride Principal Conam Construction Company 301 W Northern Lights Boulevard Suite 30 300 Anchorage, AK 99516 Institute of Electrical & Electronics Engineers, Inc. Alternate: Andrew Hernandez | U 08/17/2017 NEC-P14 |
| Jeremy Neagle Principal US Bureau of Alcohol, Tobacco, Firearms & Explosives Fire Research Laboratory 6000 Ammendale Road Beltsville, MD 20705 | U 1/10/2002 NEC-P14 | Thomas L. Pottschmidt Principal Indianapolis Power & Light 1230 West Morris Street Indianapolis, IN 46221 Edison Electric Institute | UT 08/17/2017 NEC-P14 |

Address List No Phone

12/19/2017
Mark W. Earley
NEC-P14

Code-Making Panel 14 National Electrical Code®

| | | | |
|---|--|--|--|
| Lowell Reith Principal Interstates Construction Services, Inc. 2448 Village Lane Salina, KS 67420 Independent Electrical Contractors, Inc. Alternate: Cory Cole | IM 04/04/2017 NEC-P14 | John L. Simmons Principal Florida East Coast JATC IBEW Local Union 728 201 SE 24th Street Ft. Lauderdale, FL 33316 International Brotherhood of Electrical Workers Alternate: Thomas E. Dunne | L 10/27/2005 NEC-P14 |
| David B. Wechsler Principal Consultant 27706 Dalton Bluff Court Katy, TX 77494-2729 American Chemistry Council Alternate: Richard A. Holub | U 7/1/1996 NEC-P14 | Mark C. Wirfs Principal R & W Engineering, Inc. 9615 SW Allen Blvd., Suite 107 Beaverton, OR 97005 Grain Elevator and Processing Society | U 10/1/1993 NEC-P14 |
| Dave Burns Alternate Shell P&T: Innovation/R&D Unconventional Technology PO Box 481 Houston, TX 77001-0481 American Petroleum Institute Principal: Mark Goodman | U 10/27/2005 NEC-P14 | Cory Cole Alternate Hamer Electric, Inc. 126 Industrial Way Longview, WA 98632 Independent Electrical Contractors, Inc. Principal: Lowell Reith | IM 04/04/2017 NEC-P14 |
| Thomas E. Dunne Alternate Long Island Joint Apprenticeship & Training Committee 370 Motor Parkway Hauppauge, NY 11788 International Brotherhood of Electrical Workers Principal: John L. Simmons | L 7/23/2008 NEC-P14 | Andrew Hernandez Alternate AstraZeneca Pharmaceuticals 1800 Concord Pike Wilmington, DE 19897-0001 Institute of Electrical & Electronics Engineers, Inc. Principal: William E. McBride | U 10/28/2014 NEC-P14 |
| Richard A. Holub Alternate The DuPont Company, Inc. DuPont Engineering 974 Center Road, CRP 723/1114 PO Box 2915 Wilmington, DE 19805 American Chemistry Council Principal: David B. Wechsler | U 7/29/2005 NEC-P14 | Paul T. Kelly Alternate UL LLC 333 Pfingsten Road Northbrook, IL 60062-2096 Principal: Donald W. Ankele | RT 07/29/2013 NEC-P14 |

Address List No Phone

12/19/2017
Mark W. Earley
NEC-P14

Code-Making Panel 14 National Electrical Code®

| | | | |
|---|--|--|--|
| Haywood Kines Alternate Prince William County Building Development 5 County Complex Court, Suite 120 Woodbridge, VA 22192 International Association of Electrical Inspectors Principal: Mark A Chrysler | E 07/29/2013 NEC-P14 | Edmund R. Leubner Alternate Eaton's Crouse-Hinds Business 1201 Wolf Street Syracuse, NY 13208 National Electrical Manufacturers Association Principal: Steven J. Blais | M 08/11/2014 NEC-P14 |
| Eddie Ramirez Alternate FM Global 1151 Boston-Providence Turnpike PO Box 9102 Norwood, MA 02062-9102 Principal: William G. Lawrence, Jr. | I 10/18/2011 NEC-P14 | Ted H. Schnaare Alternate Rosemount Incorporated 8200 Market Blvd., MS PK04 Chanhassen, MN 55317 Instrumentation, Systems, & Automation Society Principal: L. Evans Massey | M 1/15/1999 NEC-P14 |
| Mark Temple Alternate Intertek 15818 Ashton Hills Drive Cypress, TX 77429 Principal: William T. Fiske | RT 11/30/2016 NEC-P14 | Michael E. Aaron Nonvoting Member Wiss Janney Elstner Associates, Inc. 10 South Lasalle Street, Suite 2600 Chicago, IL 60603 TC on Airport Facilities | SE 08/03/2016 NEC-P14 |
| Timothy J. Pope Nonvoting Member Canadian Standards Association 178 Rexdale Boulevard Toronto, ON M9W 1R3 Canada | RT 10/27/2005 NEC-P14 | Eduardo N. Solano Nonvoting Member Estudio Ingeniero Solano S.A. Avenida Belgrane 407 2° piso Ciudad de Buenos Aires, 1092 Argentina | SE 4/28/2000 NEC-P14 |
| Mark W. Earley Staff Liaison National Fire Protection Association 1 Batterymarch Park Quincy, MA 02169-7471 | NEC-P14 | | |

Attachment C: A2019 Revision Cycle Schedule

Annual 2019 NEC Revision Cycle

| Process Stage | Process Step | Dates for TC with CC |
|---------------------------------------|--|----------------------|
| Public Input Stage (First Draft) | Public Input Closing Date* | 9/07/2017 |
| | Final Date for TC First Draft Meeting | 1/20/2018 |
| | Posting of First Draft and TC Ballot | 3/09/2018 |
| | Final date for Receipt of TC First Draft ballot | 3/23/2018 |
| | Final date for Receipt of TC First Draft ballot - recirc | 3/30/2018 |
| | Posting of First Draft for CC Meeting | 4/06/2018 |
| | Final date for CC First Draft Meeting | 5/11/2018 |
| | Posting of First Draft and CC Ballot | 6/15/2018 |
| | Final date for Receipt of CC First Draft ballot | 6/22/2018 |
| | Final date for Receipt of CC First Draft ballot - recirc | 6/29/2018 |
| | Post First Draft Report for Public Comment | 7/06/2018 |
| Comment Stage (Second Draft) | Public Comment Closing Date* | 8/30/2018 |
| | Notice Published on Consent Standards (Standards that received no Comments) Note: Date varies and determined via TC ballot. | |
| | Appeal Closing Date for Consent Standards (Standards that received no Comments) | |
| | Final date for TC Second Draft Meeting | 11/03/2018 |
| | Posting of Second Draft and TC Ballot | 12/21/2018 |
| | Final date for Receipt of TC Second Draft ballot | 1/11/2019 |
| | Final date for receipt of TC Second Draft ballot - recirc | 1/18/2019 |
| | Posting of Second Draft for CC Meeting | 2/01/2019 |
| | Final date for CC Second Draft Meeting | 2/22/2019 |
| | Posting of Second Draft for CC Ballot | 3/15/2019 |
| | Final date for Receipt of CC Second Draft ballot | 3/22/2019 |
| | Final date for Receipt of CC Second Draft ballot - recirc | 3/29/2019 |
| | Post Second Draft Report for NITMAM Review | 4/05/2019 |
| Tech Session Preparation (& Issuance) | Notice of Intent to Make a Motion (NITMAM) Closing Date | 4/26/2019 |
| | Posting of Certified Amending Motions (CAMs) and Consent Standards | 5/17/2019 |
| | Appeal Closing Date for Consent Standards | |
| | SC Issuance Date for Consent Standards | |
| Tech Session | Association Meeting for Standards with CAMs | 6/20/2019 |
| Appeals and Issuance | Appeal Closing Date for Standards with CAMs | 7/10/2019 |
| | SC Issuance Date for Standards with CAMs | 8/07/2019 |

TC = Technical Committee or Panel
CC = Correlating Committee

As of 1/27/2017