

MEETING NOTICE

2017 NEC[®] Second Draft Meeting

November 2-14, 2015

San Diego, CA

Note from the Secretary

Dear Code-Making Panel Member:

We are pleased that you will continue to participate in the processing of the 2017 *National Electrical Code*[®]. Development of the 54th edition would not be possible without volunteers like you.

We appreciate all of your efforts in the first draft stage for this cycle. The second draft stage differs from the first draft in a number of key ways. However, there are many parallels with the old ROC stage. This meeting notice contains important information that should help you in your preparation for the meetings.

The Second Draft Meeting (formerly the Report on Comments meetings) will be held at the Sheraton San Diego Hotel & Marina. The panel meeting schedule may be found on page 7. Task group meeting information will be provided at a later date.

I have tried to avoid as many schedule conflicts as possible. However, I could not completely eliminate them. If you are one of the members with a conflict, I apologize for that.

We want you to be comfortable at the meetings, therefore, the attire is "business casual," polo shirts are acceptable.

Thank you for your continued support of the NEC. We look forward to seeing you in San Diego.

Mark W. Earley, P.E.

NEC Public Comment Submission

Shortly after the first draft report is published, a tutorial will be posted on the NEC's doc info page. The tutorial will focus on navigating the first draft report and submitting public comments. See page 7 for information on how to access videos.

NFPA strictly complies with laws covering the use of copyrighted material. No copyrighted material should be submitted without the written consent of the copyright holder. This includes the proposed text of a requirement, the substantiation and any supporting material.

If submissions are made by mail or email, the closing date is August 21, 2015 at midnight, Eastern Time. If the new online submission tool is used, the closing date is September 25, 2015 at midnight, Eastern Time.

Panel members will be notified shortly after the closing date that the Public comments are available for online review.

Meeting Logistics

Sheraton San Diego Hotel & Marina
1380 Harbor Island Drive
San Diego, CA

Main Number: 619-291-2900

Reservations:

<https://www.starwoodmeeting.com/Book/NFPANECSecondDraftMeeting>

Reservations can also be made online at:
To obtain the **\$179/per night** NFPA negotiated rate, make reservations by October 10, 2015 and mention our group NFPA NEC Second Draft Meeting.

Property Description

Sheraton San Diego Hotel & Marina is located on San Diego Bay offering panoramic views and easy access to the historic Gaslamp District, Seaport Village, the San Diego Convention Center, the San Diego Zoo and many other great attractions. Enjoy the beautiful views of the San Diego city skyline, bay and marina at our hotel near the San Diego airport.

Air Transportation

NFPA's official travel agency, Colpitts World Travel will be happy to arrange your travel and is able to offer discounted fares with American, Delta and United Air Lines as well as Avis Car Rental. If you wish to work with Colpitts, please contact Lauren Connelly at (800) 795-9500 or (617) 984-7313.

Ground Transportation

Shuttle Service:

The Sheraton San Diego Hotel & Marina provides complimentary San Diego airport shuttle service to/from the San Diego International Airport (Lindberg). The courtesy airport shuttle arrives every 20-25 minutes from 4:45am - 12am, seven days a week. See below for Terminal 1 & 2 shuttle pickup instructions.

Terminal 1

1. After collecting your luggage, follow the "Ground Transportation" signage.
2. Walk across the sky bridge.
3. Take the escalator down to the ground level.
4. Turn right.
5. Cross the taxi/van concrete islands.
6. Walk to 3rd island, marked "Courtesy Vehicles."
7. Wait at any open spot on the curb.

Terminal 2

1. After collecting your luggage, walk across the street (toward Taxi/Hotel/Rental Car Shuttles).
2. Locate the concrete island marked "Courtesy Vehicles."
3. Wait at any open spot on the curb.

Please call 619-291-2900 to arrange your San Diego airport shuttle transportation.

Taxi:

Uber and several cab companies operate in San Diego.

Big Bay Shuttle - Affordable Transportation to San Diego's Waterfront Destinations

Experience the city's famed attractions via The Big Bay Shuttle. Discover San Diego's "must-see" destinations with all day on/off privileges. Running from Memorial Day to Labor Day, The Big Bay Shuttle offers a convenient way to experience the waterfront attractions at an affordable price.

Tickets are available for purchase at the concierge desk located in the Marina Tower lobby. Cost is \$3

Shuttle Schedule:

May 22- September 7, 2015 (November schedule was not available at this time).

Sunday - Thursday: 10am - 8pm

Friday - Saturday: 10am - 10pm

Key points of interest:

- Maritime Museum
- Little Italy
- Broadway Pier/ Flagship Cruises (including the new Patriot boat)
- USS Midway/ The Fish Market
- Seaport Village/ The Headquarters
- SD Convention Center (North)
- SD Convention Center (South), including the Gaslamp Quarter and Petco Park



Rental Cars:

Avis: NFPA has a corporate rate for Avis. To take advantage of the corporate rental rate, call (888) 754-8878 and mention meeting code: B653699. Reservations may also be made through the Avis Website at www.avis.com.

Parking

Parking at the hotel is available with rates of \$24 for self-parking and \$32 for overnight valet parking.

Participation

Panel member attendance at meetings is required by the Regulations Governing the Development of NFPA Standards. At the end of each code cycle, the NEC Correlating Committee and the NFPA Standards Council review participation records of all members.

Materials You Will Need at the Meetings

It is recommended that you bring the following with you. We will not have extra copies of printed material available.

- 2014 National Electrical Code
- Copies (electronic or paper) of public comments
- Copies (electronic or paper) of first revisions
- NEC 2013 Report on Proposals and Report on Comments (optional)
- Copies of Errata and TIAs
- NFPA Standards Directory
- NEC Supplemental Operating Procedures and NEC Style Manual
- Your own laptop computer

Processing Schedule

The processing schedule is outlined on page 11 of this meeting notice. Please note that the initial ballot due date will be January 15, 2016, the deadline to change your vote will be January 22, 2016. A draft of the code be provided to review while completing your ballot. Please do not

hesitate to call Kim at 617-984-7953 if you have any questions on the processing schedule or procedures.

Preparation for Panel Meetings

Task groups are an essential element in the completion of your panel work. Task groups will be appointed by the panel chairs to develop responses to public comments and to identify the public comments that will be used as the basis of any change. Task groups may also recommend a change that is independent of any public comment, but they must be based on a previously submitted public input. At the first draft meeting, the task groups that struggled the most were those that tried to complete their work on site.

Task group work must be completed prior to arrival in San Diego.

Task group training webinars will be provided prior to the comment closing date. Prepared actions and statements greatly help to expedite the progress of the meeting. All task group chairs should forward their task group report to the panel chair, with a copy to Kimberly Shea (kshea@nfpa.org). Please avoid using "revision mode", "track changes" and "auto numbering."

Regulations and Procedures

All actions at and following the panel meetings will be governed by the Regulations Governing the Development of NFPA Standards, the NEC Style Manual and the NEC Supplemental Operating Procedures. Failure to comply with these rules could result in challenges to the standards-making process. A successful challenge on procedural grounds could prevent publication of the NEC®. Consequently, panels must follow the regulations and operating procedures.

Panel Action on Public Comments

This is where you will see the biggest changes in the process. The actions at this stage are different than they were at the first draft stage.

Comments can address first revisions, committee inputs (failed first revisions), first correlating revisions, or public inputs. The system no longer accepts comments that recommend continuing to accept a first revision or continuing to resolve a public input. Public comments will recommend a change in the action previously taken by a panel. The public comments will recommend one of the following actions:

- On First Revisions
 - Change the revision
 - Delete the change (revert back to existing code text)
- On public Inputs
 - Create a Second Revision (SR) based on the PI
- On Committee Inputs (an FR that failed ballot)
 - Create a Second Revision based on the CI (failed FR)
- On First Correlating Revisions
 - Change the revision
 - Delete the change (revert back to existing code text)

The possible actions look different at this stage, but there are parallels with the old process. The actions are:

- **Accept**-The recommendation is completely accepted word-for-word. This action will create a second revision that will change the action that was taken at the first draft stage.

- **Reject**-This action means that the recommendation of the comment is completely rejected.
- **Reject, but See**-The panel created a second revision based on the comment, but the action is not exactly what the submitter recommended. This action consolidates three actions from the old system, accept in principle, accept in part, or accept in principle in part, into one action.
- **Reject but Hold**-The action requested will not be implemented for this cycle, but will be reconsidered in the next revision cycle. The effect of this action is identical to the “Hold” action of the previous system.

These actions have different names that more accurately reflect what is happening at the second draft stage. At the same time, they allow the panel all of the options that they had in the old system. **However, for most cases**, the panel can only create one second revision for a section. This is intended to prevent conflicting actions that the correlating committee or the staff may be unable to resolve later. If the panel has a specific, discrete item within a larger revision that they want to ballot separately, the panel may do so by agreement of the panel by a meeting vote as long as the result of the larger revision is not dependent upon the result of the ballot on the discrete item. To ballot the discrete item, a request is to be made at the meeting and is granted or denied at the discretion of the panel. If this option is granted, there will be two separate items balloted to ensure the resulting text accurately reflects the panel’s intentions. If this issue arises in your panel, the panel chair should ask the staff liaison to contact Mark Earley, who will guide the panel on how to proceed.

It is important to note that the panel can resolve multiple public comments with one action. If the panel agrees that a change is necessary, the panel will resolve the public input through the creation of a second revision to the code. However, if there are multiple comments that recommend an identical action that the panel agrees to, only one of the comments can be accepted. The action on the other identical comments would be reject but see. If there are comments that are similar, but not identical, they can be grouped with the identical ones in an action of reject but see if the overall affect is the same.

The panel may create its own second revision that is independent of any public comments, but it must not introduce new material. In other words, it must be based on public inputs, first revisions, committee inputs, or first correlating revisions. All second revisions belong to the panel. It is akin to a panel comment. All SRs must be substantiated by the panel in the panel statement. The substantiation from a public comment can be used as the basis for a panel statement. However, the panel should be careful to edit the substantiation so that it is appropriate to be the substantiation of a Code-Making Panel.

Panel Statements

A panel statement is required for all public comments and second revisions. If the panel creates a second revision, the panel statement is the substantiation for the change to the code. All panel statements must be sufficiently detailed so as to convey the panel's exact justification for the action. Additionally, they should be technical in nature and written in complete sentences.

- A panel statement for a second revision should not refer to the panel statement for a

resolved public input or for statements for comments where the action was other than accept.

- Panel statements should not refer to another panel statement which, in turn, refers to some other panel statement. However, it is important to minimize the use of cross references to content that resides elsewhere in the file, in order to help users of the report.
- Panel statements for public comments may refer to multiple SRs if appropriate.
- Panels should verify that the cross references to other public inputs, first revisions, and second revisions are correct.
- The reason for rejecting a public input should not be that the panel took an opposite action, unless the reason for rejecting the public comment in question is clear.

Procedures for Handling a Motion

Panel meetings are conducted in accordance with Roberts' Rules of Order. In order to open discussion, a motion must first be made. A simplified procedure for discussion of motions is as follows:

Member

- Member Addresses the Chair
- Receives Recognition from the Chair
- Introduces the Motion
- (Another Member) Seconds the Motion

Chair (Presiding Officer)

- States the Motion
- Calls for Discussion
- Restates the motion
- Takes the vote
- Announces the Result of the Vote

What motion is appropriate?

All of the public comments will be assigned to task groups. Most of the meeting will be a discussion of the task group recommendations to the panel. It is expected that each panel member will have copy of the task group report. The task group chair should report proposed actions to the panel as follows:

No change to the Code: “Mr. /Madam Chair, The motion of Task Group 1 is to reject Public comment No. 1 with the following panel statement: Type NM cable is not listed for use in outdoor exposed locations.”

If there are other public comments on this section that are similar, they should be part of the motion. For example, “Task Group 1 recommends that we reject Public comment No. 1, 3, 47, and 83 with the following panel statement....”

Revise the code exactly as recommended by a public comment: “Mr. /Madam Chair, Task Group 1 recommends that we accept Public Comment No. 1.” Since this is now the panel’s work, the panel must provide a substantiation. The substantiation can use the submitter’s wording as the basis for the substantiation, but should do so with caution, as the original substantiation may not be appropriate, coming from the panel.

Revise the code based on a public comment, but with a slight change in language: “Mr. /Madam Chair, Task Group 1 recommends that we create a second revision based on Public Input No. 1 to read as follows “....”. Furthermore, the task group recommends that the following public comments be reported as “reject but see” and reference this second revision.” Since this is now the panel’s work, the panel must provide a committee statement.

Again, the submitter’s wording can be used as the basis for the substantiation, but should do so with caution, as the original substantiation may not be appropriate, coming from the panel.

See the motions table on page 10 for sample motions.

Motions to End Debate

Previous Question or “Call the Question”:

- Not in order when another has the floor
- Requires a second
- This motion is not debatable and DOES NOT automatically stop debate. It requires a second and it must be voted on. It requires 2/3 affirmative vote to end debate.

Balloting

The ballot will consist of second revisions (changes to the code) only. You will not be balloted on the responses to the public comments that do not change the code. Actions to reject public comments at the meeting require a simple majority vote at the meeting.

Reballoting??

Yes, there is a new feature in the new process. If there is a second revision that modifies a first revision and the second revision fails ballot, what happens to the previously accepted change? In the old system, the change would be lost and we would revert to the code text from the previous edition. In the new system, we will reballot the change from the first revision to determine if there would still be support for the original change.

Video Training Tools

We will be providing tools to help you prepare for the second draft meeting. Online video presentations will be available to guide you through the second draft stage. The following programs are planned:

- Navigating the First Draft Report, Including the Submission of Public Comments (offered on July 17, August 11, 14, 25, and 28, September 4, 11, 18, and 22.
- Updated Video on Task Group Operations and Second Draft Meeting Procedures (offered on September 30, October 7, 14, 23, and 27.

Each presentation will begin at 11:00 am Eastern time. Live presentations allow for a question and answer period. These videos will also be archived so that you can view them at your convenience. The video archive will be located on the NEC doc info page under the Next edition tab, under the additional information heading (www.nfpa.org/70next).

Home > Codes and Standards > Document information pages (list of NFPA codes & standards) > NFPA 70

NFPA 70: NATIONAL ELECTRICAL CODE®



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Welcome. As a member of the committee for this document, you have access to both public and committee-only information.

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Revision cycle information

Revision Cycle: [Annual 2016](#)

First Draft
Public Input Closing Date for Online Submission: 11/7/2014 [View Public Inputs](#)
Public Input Closing Date for Paper¹ Submittal: 10/3/2014
¹ Paper Submittals are considered any submission other than the online submission system
First Draft Report Posting Date: 7/17/2015
[See First Draft Ballot information](#)

Second Draft
Public Comment Closing Date for Online Submission: 9/25/2015
Public Comment Closing Date for Paper¹ Submittal: 8/21/2015
¹ Paper Submittals are considered any submission other than the online submission system
Second Draft Report Posting Date: 4/6/2016

Motions Committee Report (NITMAM)
NITMAM Closing Date: 4/29/2016
NITMAM Posting Date: 5/13/2016

Additional Committee Information

Summary of the Second Draft Meeting

- Public Comments may be submitted on PIs, FRs and CIs.
- CMP must provide a response (committee statement) to each public comment (PC).
- CMP must create a second revision (SR) for each change they wish to make to the document.
- All meeting actions require a favorable vote of a simple majority of the members present.
- All SRs will be letter balloted and require a 2/3 affirmative vote and a simple majority of those eligible to vote to confirm meeting action.
- Comments and comments that are reported as “reject”, “reject but see” and “reject but hold” will be included the second draft report but will not be balloted.
- **The submitter of a PI that did not result in a first revision must submit a public comment in order to proceed with filing a NITMAM. If no PC is submitted, the PI is considered “resolved” and is not open for NITMAM submittal.**

NFPA Meeting Policies

The following policies are in effect for all NFPA committee meetings.

- Attendance at all NFPA committee meetings is open to the public.

- Participation at NFPA committee meetings is generally limited to committee members and NFPA staff. Participation by guests is limited to individuals who have previously requested of the chair time to address the committee on a particular item, or individuals who wish to speak regarding public comments that they submitted.
- The chair reserves the right to limit the amount of time available for any presentations.
- No interviews will be allowed in the meeting room at any time, including breaks.
- Members categorized in ANY interest category who have been retained to represent the interests of ANOTHER interest category (with respect to a specific issue or issues that are to be addressed by a TC/CC) shall declare those interests to the committee and refrain from voting on any public comment, second revision, or other matter relating to those issues..
- All attendees are reminded that formal votes of committee members on second revisions will be secured by letter ballot. Voting at this meeting is used to establish a sense of agreement, but only the results of the formal letter ballot will determine the official position on any second revision.

- Votes on committee actions of reject and reject but hold at this meeting require a simple majority vote of the members present and are final.

NEC Second Draft Meeting Schedule

November 1-14, 2015

Sheraton San Diego Hotel and Marina

San Diego, CA

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	CMP 3						CMP 2						
	CMP 4						CMP 5						
	CMP 16						CMP 13						
	CMP 6			CMP 11				CMP 8			CMP 1		
	CMP 10			CMP 15				CMP 9			CMP 7		
	CMP 17			CMP 18				CMP 14			CMP 12		
	CMP 19												

NEC Processing Schedule

Process Step	Date
Post final first draft report	July 17, 2015
Public comment closing date for paper submittals and other submittals that do not use the submission tool	August 21, 2015
Public comment closing date if using the submission tool (e-PC)	September 25, 2015
Second draft meeting (San Diego)	November 2-14, 2015
Posting of second draft and panel ballot	January 4, 2016
Final date for receipt of second draft ballots	January 15, 2016
Final date for receipt of recirculation	January 22, 2016
Posting of second draft for Correlating Committee	February 5, 2016
Correlating Committee meeting	February 22-26, 2016
Posting of second draft for Correlating Committee Ballot	March 18, 2016
Final date for receipt of Correlating Committee second draft ballot	March 25, 2016
Final date for receipt of Correlating Committee recirculation	April 1, 2016
Post final draft for NITMAM review	April 8, 2016
Notice of intent to make a motion closing date	April 29, 2016
Posting of certified amending motions	May 13, 2016
Association meeting for documents with certified amending motions (CAMs)	June 13-16, 2016
Appeal closing date for NEC CAMs	July 6, 2016
Standards Council issuance for documents with CAMS	August 11, 2016

Coordinating Requirements with other NFPA Technical Committees

Several code-making panels deal with technical topics that affect or are affected by other technical committees. Examples include Article 500 (NFPA 497 and 499), Article 516 (NFPA 33 and 34), Article 517 (NFPA 99), Article 695 (NFPA 20), and Article 760 (NFPA 72). There are frequent questions as to which committee has jurisdiction over specific technical requirements.

To help sort this out, the NFPA Standards Council appointed a Council task group on Intercommittee Coordination. The task group has developed the following definitions:

Performance Requirement. A specification of the manner in which equipment or a system is intended to function or operate.

Installation Requirement. A specification of the materials and process associated with putting equipment in place and making it ready for use in accordance with performance requirements.

The following Table provides examples utilizing the above definitions:

Performance Requirement	Installation Solution
Maintenance	
	Commissioning
Periodic Testing	
Grounding Reliability (i.e., redundant grounding)	Multiple grounding methods
	Initial Acceptance Testing
Prevention of Cascading Outages	Selective Coordination
Reliability of Source Auxiliaries	Selection of Source for Auxiliaries
Protection from Damage	Fire Protection , Fire Barriers, Physical Protection, Location/Separation
Response to Failure of Power Source	Means for Connecting Portable Source
Reliable Source of Water Pressure	Fire Pump Driver Runs to Destruction
Reliability of Back-up Power Source	Selective Load Pick-up, Load Shedding, Peak Load Sharing

The National Electrical Code contains installation rules. Rules developed by code-making panels should be based on the installation definition. The committee can also develop an installation rule that responds to performance criteria that another technical committee has developed: In all such cases, the Code-Making Panel should coordinate the requirement in consultation with the responsible technical committee. The NEC can also extract a requirement from another NFPA document where it is needed for installation or enforcement reasons. If you have any questions about this, please contact Mark Earley.

Public Comment Stage Motions Table

Concept One: (No change)		Sample motions:
Step One:	To make no changes to a section where there is one or more public comments: Task groups appointed by the panel chair should identify these comments with an action to reject. Adequate statements must be provided.	I make a motion to reject this public comment (or multiple public comments) with the following statement: ... (Approval by simple majority at meeting)
Concept: Two (Second revision based on public comment where the panel agrees completely with the comment)		Sample motions:
Step One:	Panel generates second revision based on PC #XXX Task groups appointed by the panel chair should recommend creation of an SR based on an identified PC(s). Adequate statements that substantiate the change must be provided. It is appropriate to group related PIs that are seeking the same of similar action	I make a motion to accept public comment # (Approval by simple majority at meeting)
And		
Step Two:	If there are identical comments, or comments that recommend a similar action.	I make a motion to that the following comments be reported as “reject but see” referencing the second revision that we just created. (Approval by simple majority at meeting)
Concept: Three (Second revision based on public comments)		Sample motions:
Step One:	Panel generates second revision that is based on PC #XXX, but with a change to the language. Task groups appointed by the panel chair should recommend creation of an SR based on identified PC(s). Adequate statements that substantiate the change must be provided. It is appropriate to group related comments that are seeking the same of similar action	I make a motion to create a second revision (change) based upon language in PC #XX as follows:..... I recommend that the following public comments PC X, Y, and Z be reported as reject but see referencing this second revision. (Second revision-Approval by letter ballot) (Comments reported as reject, but see SR-approval by simple majority at meeting)
And		
Step Two:	Panel generates a statement to respond to (resolve) each PC #	I make a motion to provide the following panel response (statement) to PC #XX..... (Approval by simple majority at meeting)

	The panel may create one statement for all grouped PIs. Individual responses may be provided if deemed necessary.	
Concept: Three (Second revision with No PIs or not based on PIs)		Sample motions:
Step One:	Panel generates a second revision to the existing code text (No PIs or not based on PCs)	NOT ALLOWED
Concept: Four (Committee Input – “Trial Balloon)		Sample motions:
N/A	Not allowed by NEC Supplemental Operating Procedures	

