

MEETING NOTICE

2020 NEC® First Draft Meeting

January 8-20, 2018

Hilton Head, SC

Note from the Secretary

Dear Code-Making Panel Member:

We are pleased that you will be participating in the processing of the 2020 *National Electrical Code*®. Development of the 55th edition would not be possible without volunteers like you.

This meeting notice contains important information that should help you in your preparation for the meetings.

The First Draft Meeting (formerly the Report on Proposals meetings) will be held at the Sonesta Resort- Hilton Head Island in Hilton Head, SC. The panel meeting schedule may be found on page 7. Task group meeting information and detailed panel schedules 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.

The public input closing date is Thursday, September 7, 2017 at midnight, Eastern Time. This earlier closing date will give task groups more time to complete their work, without impacting the holidays.

All public input to the NEC must be submitted using the online submission tool. We will no longer accept submissions using

any other form. Online training on how to use the tool will be available. See page 3.

Public inputs can't be viewed until shortly after the closing date. Panel members will be notified by email when they can be viewed online.

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

Mark W. Earley, P.E.
Secretary

Meeting Logistics

Venue:

**Sonesta Resort Hilton Head Island
(formerly the Crowne Plaza)
130 Shipyard Drive
Hilton Head, SC 29928
Hotel Main Number: 843-842-2400
Hotel Fax: 843-842-9975**

In order to obtain the NFPA negotiated rate of \$108 single/double per night, **reservations must be made prior to December 16, 2017. This rate will be available until the cut off or until the room block is sold-out, whichever comes first.** Our group code is 0112NFPAME. The link for reservations is:
<https://gc.synxis.com/rez.aspx?Hotel=56762&Chain=5157&locale=en-US&arrive=1/5/2018&depart=1/21/2018&adult=1&child=0&group=0112NFPAME>

Reservations can also be made by calling 1-800-766-3782 and asking for the reservation department and the 0112NFPAME Room Block to receive the negotiated rate.

Property Description

Located on the island's south end within the Shipyard Plantation, the resort is just a short drive from I-95 via Highway 278 and the Cross Island Parkway. It is five miles from the Hilton Head Airport and 48 miles from Savannah and Savannah International Airport. Most major airlines serve Savannah International Airport. American Airlines currently serves the Hilton Head Island Airport.

All guest rooms feature high speed internet access, a private balcony, refreshment center, coffee maker, hair dryer, iron & ironing board, and an in-room safe.

Air Transportation

NFPA's official travel agency, Direct Travel will be happy to assist you with your travel arrangements. If you wish to work with Direct Travel, please contact Lauren Connelly at 617-984-7313 or 800-795-9500.

Ground Transportation (Savannah)

Shuttle Service: K-Shuttle is the official provider of scheduled shuttle service from Savannah Airport to the resorts of Hilton Head Island. Shuttles run throughout the day from the Airport to the Island beginning at 10:00 a.m. Service from the Island to the Airport can be scheduled as early as 3:45 a.m. with advance reservations. For more information and shuttle schedules call (877) 243-2050 or go to their website <http://www.kshuttle.com/>.

Taxi: From Savannah Airport. There are several options for ground transportation from the Savannah airport. See the airport website at: <http://savannahairport.com/transportation>.

Ground Transportation (Hilton Head Airport)

Hilton Head Island Airport ground transportation is provided by:
Ferguson Transportation Tel: 843-842-8088
S & J Expressway Tel: 843-686-3333
Bee Line Transportation Tel: 843-683-1139

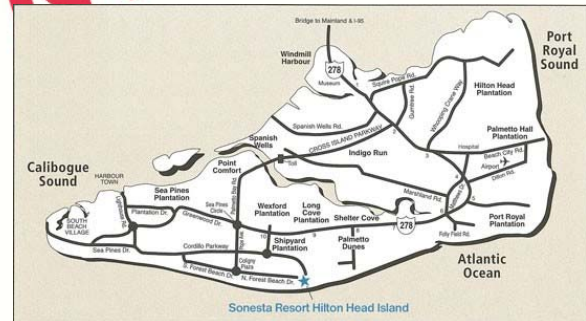
Current ground transportation options may be found at the following URL:
<http://www.hiltonheadairport.com/to-and-from.php>.

Rental Cars:

Both airports offer several rental car options. Avis: NFPA has a corporate rate for Avis. To take advantage of the corporate rental rate, call (888) 754-8878 and mention meeting code: B653600. Reservations may also be made through the Avis Website at www.avis.com.

Driving Directions (from Savannah)

Driving Directions: From I-95 take Exit 8 (Highway 278). Once you cross the bridge to the island, stay left for the Cross Island Parkway (\$1 toll) that becomes Palmetto Bay Road. Take Palmetto Bay Road to Sea Pines Circle. Exit the circle on Highway 278 (third turn off the circle). Turn right into Shipyard Plantation (third light). The map below may be found at <http://www.sonesta.com/hiltonheadisland/index.cfm?fa=gettinghere.home>



Shipping Packages to the Hotel

Packages should be clearly marked with the recipient's name, meeting name: (NFPA/NEC) and the guest's arrival date.

Participation

Panel member attendance at panel 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. Therefore, it is important for both the principal and alternate members to return ballots, even if the alternate knows that the principal member will be attending the meetings and returning ballots.

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.

- 2017 National Electrical Code
- Copies (electronic or paper) of public inputs
- Copies of Errata
- NFPA Standards Directory
- NEC Supplemental Operating Procedures and NEC Style Manual
- Your own laptop computer
- TIAs
- Electronic copies of any task group reports

Processing Schedule

The processing schedule is outlined on page 7-8 of this meeting notice. Please note that the initial ballot due date will be March 23, 2018. March 30, 2018 will be the deadline to change your vote. These dates are later than

in the past. However, in the new process, you will have a draft of the code to review when completing your ballot. We have never been able to provide that before. Please do not hesitate to call Sarah at 617-984-7950 if you have any questions on the processing schedule or procedures.

Public Input Submission Tool

Interactive online training will be available on the use of the public input submission tool. The training is tentatively scheduled at 11:00 am Eastern Time as follows: May 26, June 16, July 14, August 4 and 25, and September 1. Notice of this and other training events will be sent to you via email.

Preparation for Panel Meetings

All panel members and alternates will be assigned to task groups to develop actions and statements for consideration by the full panel. It is imperative that you review the public inputs before any task group meetings or teleconferences. NFPA staff will be happy to set up conference calls, as needed.

Please keep in mind that all task group actions and statements are only a recommendation to the full panel. The action could be modified or overturned by the full panel. It is imperative that you review all task group reports for your panel. If you disagree with an action, please have alternative code language, if applicable, along with an applicable statement.

Prepared actions and statements greatly help to expedite the progress of the meeting. Please have any prepared actions and statements available for transfer to your staff liaison at the beginning of the first day of your panel meeting. Panel actions and statements should be provided to staff in a word document. **Please use "track**

changes" mode. Do not use "auto numbering."

Task Groups

Task groups are an essential element in the completion of panel work. Panels will only be able to revise a number or lettered section through one action. This will prevent conflicting actions within the numbered or lettered section. A term or phrase can be revised globally through a global revision. Global revisions should be used sparingly.

Task groups will identify the public inputs that will be used as the basis of any change. Likewise, they can also recommend a change that is independent of any public input. Most task groups will meet via conference call, prior to the meeting. There may be some wrap up meetings in Hilton Head immediately prior to the full panel meetings. The best plan is to conduct all task group meetings before Hilton Head, so that panel members will have time to review all of the task group work for their panel. Online training on successful task group operations will be available. Scheduling information will be sent via email.

Panel Action on Public Inputs

We no longer have multiple ways to accept proposals. At the first draft stage, the panels will review all of the public inputs on a section and decide if the section needs to be revised. If the panel does not agree, the panel will resolve those public inputs with a statement that addresses the submitter's concerns. It is important to note that the panel can resolve multiple public inputs with one action. If the panel agrees that a change is necessary, the panel will resolve the public input through the creation of a first revision to the code. Multiple related public inputs may be combined in the action and

resolved with a single statement. The panel must identify the wording to be used.

The first revision may be an action that groups multiple public inputs or it may result from a single public input. The panel may create its own first revision that is independent of any public inputs. Once the panel creates any first revision, it belongs to the panel, even if it is in response to one or more public inputs. It is akin to a panel proposal in the old system. It must be substantiated by the panel in the panel statement. The substantiation from a public input can be used as the basis for a panel statement for a first revision. However, the panel should be careful to edit any 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 inputs and first revisions. If the panel creates a first 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. The panel statement for a first revision will appear as part of the first revision. It should not refer to the panel statement for a resolved public input, as that will reside elsewhere in the file and would require a file search to ascertain its content. A panel statement for a first revision should justify the change based on technical merits. It may respond to any issues raised in any applicable public inputs.

- a panel statement should not refer to another panel statement which, in turn, refers to some other panel statement.
- Panel statements for public inputs may refer to multiple statements if they are all appropriate.

- Panels should verify that the cross references to other public inputs or to other first revisions are correct.
- The reason for resolving a public input should not be that the panel took an opposite action, unless the reason for resolving the public input in question is clear.

Balloting

You will **only** be electronically balloted on first revisions. In other words, you will only be balloted on changes to the code. You will not be electronically balloted on the public inputs. Actions that resolve public inputs at the meeting require a simple majority vote at the meeting and that vote is final.

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?

No change to the Code: “Mr. /Madam Chair, I move that we resolve Public Input No. 1

with the following panel statement: Type NM cable is not listed for use in outdoor exposed locations.”

If there are other public inputs on this section that are similar that are also to be resolved, they should be part of the motion. For example, “I move that we resolve Public Input Nos. 1, 3, 47, and 83 with the following panel statement....”

Revise the code: “Mr. /Madam Chair, I move that we create a first revision based on Public Input 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.

See the motions table on page 11 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.

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.

PI is considered “resolved” and is not open for NITMAM submittal.

Use of Copyrighted Material

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. It is intended that all of the material that is submitted will be posted online so that it is permanently available for public review. Any material that we believe may be copyrighted material will not be posted until we receive a release of copyright for that posting.

Summary of the First Draft Meeting

- CMP must provide a response (committee statement) to each public input (PI).
- CMP must create a first revision (FR) for each change they wish to make to the code.
- All meeting actions require a favorable vote of a simple majority of the members present.
- All FRs will be letter balloted and require a 2/3 affirmative vote and a simple majority of those eligible to vote to confirm meeting action.
- Only the FRs will be balloted.
- PIs with responses will be included the first draft report but will not be balloted.
- The NEC Supplemental Operating Procedures do not permit the creation of committee inputs (CIs) at the first draft meeting. However, a failed FR will be re-designated as a committee input (CI).
- Public comments may be submitted on PIs, FRs and CIs.
- **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**

NFPA Meeting Policies

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

- Use of audio recorders or any other means capable of producing verbatim transcriptions of NFPA committee meetings is not permitted.
- Attendance at all NFPA committee meetings is open to the public.
- All guests must sign in and identify their affiliation.
- 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 input that they submitted.
- 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 input, first revision, public comment, or second revision, or other matter relating to those issues.
- 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.
- All attendees are reminded that formal votes of committee members on first revisions will be secured by letter ballot.

Voting at the 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 first revision.

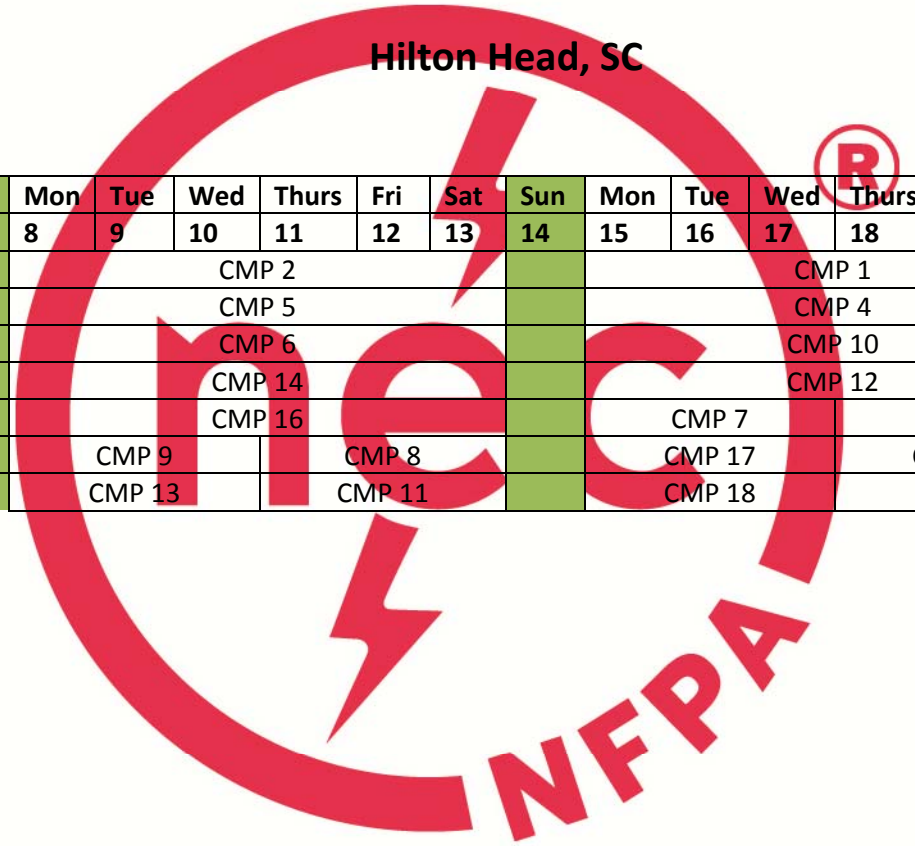
- Votes on resolving public inputs and statement at this meeting are final.

NEC First Draft Meeting Schedule

January 8-20, 2018

Sonesta Resort Hilton Head Island

Hilton Head, SC



Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat
7	8	9	10	11	12	13	14	15	16	17	18	19	20
			CMP 2							CMP 1			
			CMP 5							CMP 4			
			CMP 6							CMP 10			
			CMP 14							CMP 12			
			CMP 16						CMP 7			CMP 3	
	CMP 9			CMP 8				CMP 17			CMP 15		
	CMP 13			CMP 11				CMP 18					

NEC Processing Schedule

Process Step	Date
Public Input Closing Date	September 7, 2017
Dates of first draft meeting	January 8-20, 2018
Posting of first draft and panel ballot	March 9, 2018
Final date for receipt of first draft ballots	March 23, 2018
Final date for receipt of recirculation	March 30, 2018
Posting of first draft for correlating committee	April 6, 2018
Correlating committee meeting	May 8-11
Posting of first draft and correlating committee ballot	June 15, 2018
Final date for receipt of correlating committee first draft ballot	June 22
Final date for receipt of correlating committee recirculation	June 29
Post final first draft report	July 6, 2018
Public comment closing date	August 30, 2018
Second draft meeting	October 22-November 3, 2018
Posting of second draft and panel ballot	December 21, 2018
Final date for receipt of second draft ballots	January 11, 2019
Final date for receipt of recirculation	January 18, 2019
Posting of second draft for Correlating Committee	February 1, 2019
Correlating Committee meeting	February 19-22, 2019
Posting of Second draft for correlating committee ballot	March 15, 2019
Final date for receipt of correlating committee second draft ballot	March 22, 2019
Final date for receipt of correlating committee recirculation	March 29, 2019
Post final draft for NITMAM review	April 5, 2019
Notice of intent to make a motion closing date	April 26, 2019
Posting of certified amending motions	May 17, 2019
Association meeting for documents with certified amending motions	June 17-20, 2019
Appeals closing date for documents with CAMs	
Appeals closing date for NEC CAMs	
Standards Council issuance	

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	Initial Acceptance Testing
Grounding Reliability (i.e., redundant grounding)	Multiple grounding methods
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.

Legal

Antitrust Matters

- It is the policy of the NFPA to strictly comply with state and federal antitrust laws.
- NFPA expects all participants in its standards development activities to conduct themselves in strict accordance with these laws.
- It is the obligation of each participant to read and understand NFPA's Antitrust Policy. (You can access this policy at nfpa.org/regs.)
- Participants must avoid any conduct, conversation or agreement that would constitute an unreasonable restraint of trade.
- Conversation topics that are off limits include:
 - Profit, margin, or cost data;
 - Prices, rates, or fees;
 - Selection, division or allocation of sales territories, markets or customers;
 - Refusal to deal with a specific business entity.
- NFPA's standards development activities are based on openness, honesty, fairness and balance.
- Participants must adhere to the *Regulations Governing the Development of NFPA Standards* and the *Guide for the Conduct of Participants in the NFPA Standards Development Process*. (You can

access the *Regulations* and *Guide* at nfpa.org/regs.)

- Follow guidance and direction from your employer or other organization you may represent.
- Be sure to ask questions if you have them.
- The manner in which standards development activity is conducted can be important.
- Participants must adhere to the *Guide for the Conduct of Participants*. (You can access the *Guide* at nfpa.org/regs.)
- The *Guide* requires standards development activity to be conducted with openness, honesty and in good faith.
- Participants are not entitled to speak on behalf of NFPA.
- Participants must take appropriate steps to ensure their statements whether written or oral and regardless of the setting, are portrayed as personal opinions, not the position of NFPA.
- Be sure to ask questions if you have them.

Patents

- Disclosures of essential patent claims should be made by the patent holder.
- Patent disclosures should be made early in the process.
- Others may also notify NFPA if they believe that a proposed or existing

NFPA standard includes an essential patent claim.

- NFPA has adopted and follows ANSI's Patent Policy.

- It is the obligation of each participant to read and understand NFPA's Patent Policy. (You can access this policy at nfpa.org/regs.)
- Be sure to ask questions if you have them.

Public Input Stage Motions Table

Concept One: (No change)		Sample motions:
Action:	To make no changes to a section where there are one or more PI's:	I move (make a motion) to resolve public input X (or the following public inputs) with the following statement) (Approval by simple majority at meeting)
Concept: Two (First revision based on PIs)		Sample motions:
Action One:	Panel generates first revision based on PI #XXX	I make a motion (move) to make a first revision (change) based upon language in PI #XX as follows:.....) with the following statement) (Approval by simple majority at meeting) Letter ballot following meeting.
Action Two:	Panel generates a statement to respond to (resolve) to PI(s) that recommend an opposite action.	I move (make a motion) the following text as the panel response (statement) to PI #XX..... (Approval by simple majority at meeting)
Concept: Three (First revision with No PIs or not based on PIs)		Sample motions:
Action:	Panel generates a first revision (No PI's or not based on PIs)	I make a motion (move) to make a first revision (change) to section XXX.XX as follows:.....) with the following text as a panel statement (substantiation) for the text change in XXX.XX (Approval by letter ballot) Letter ballot following meeting.
Concept: Four (Committee Input – "Trial Balloon)		Sample motions:
N/A	Not allowed by NEC Supplemental Operating Procedures	

Task Group Reports

Task groups should generate a report of their proposed actions for consideration by the entire code-making panel. The following is a sample task group report.

Report of Task Group 3

Section	PI	PAGE	DISPOSITION
680	2207		Resolve
	2206		
Text	None		
Statement	CMP 17 would like verification that Class A GFCI protection for personnel devices for three phase and 480 volt circuits are readily available. What is the usability of these when starting larger 480 volt three phase motors and the prevention of tripping during start-up.		
Section	PI	PAGE	DISPOSITION
680.7	3883	146	Create FR
Text	<p><u>680.7 Grounding and Bonding Terminals</u> <u>Grounding and bonding terminals shall be identified for use in wet and corrosive environments.</u></p>		
Statement	<p>Grounding and bonding terminals at pools, spas, hot tubs, etc. are subjected to severe environmental conditions including wet and corrosive conditions. This proposed new text will add specific requirements to address those conditions.</p> <p>The specification of copper, copper alloy or stainless steel is intended to provide more corrosion resistant materials. Some connectors utilizing plated steel set-screws have not proven to have acceptable long-term reliability. The specification of direct burial use is intended to mandate copper alloys of minimum 80 percent copper. This alloy specification is in the listing requirements for connectors to be marked suitable for direct burial.</p>		

NEC Style Manual Help

General

The NEC Style manual is the guide for assembling the code. This addendum is intended to serve as a guide for applying the style manual to your committee work.

Informational Notes

Informational notes are just that. They convey information. They do not provide recommendations or interpretations of the preceding requirements. They must not contain the words “may” or “should.” Many of us find it difficult to write informative text that doesn’t appear to be a recommendation. Here are some examples of avoiding those terms, using some existing text:

Informational Note: Examples of utilities ~~may~~ include those entities that are typically designated or recognized by governmental law or regulation by public service....

May would not be necessary because it is clear that these are examples.

Informational Note: Some Utilities ~~may be~~ are subject to compliance with codes and standards covering their regulated activities as adopted under governmental law or regulation.

Either “some” or “many” could be used here.

Informational Note: ~~An~~ Some intrinsically safe systems ~~may~~ include more than one intrinsically safe circuit.

Informational Note: Some switchgear rated ~~below~~ 1000 V or less ~~may be~~ is identified as “low-voltage power circuit breaker switchgear.” Some Switchgear rated over 1000 V ~~may be~~ is identified as “metal

enclosed switchgear” or “metal-clad switchgear.”

“Some” would work well in this instance.

Informational Note: Some systems, such as 3-phase 4-wire, single-phase 3-wire, and 3-wire direct current, ~~may~~ have various circuits of various voltages.

This already uses “some”. “May” would not be necessary.

Informational Note: ~~Suspended ceiling low-voltage power grid distribution systems should be installed by qualified persons in accordance with the manufacturer’s installation instructions.~~ **This is a**

recommendation, which is not permitted.

Informational Note: For motors that utilize external forced air or liquid cooling systems, over temperature can occur if the cooling system is not operating. Although this issue is not unique to adjustable speed applications, externally cooled motors are most often encountered with such applications. ~~In these instances, overtemperature protection using direct temperature sensing is recommended [i.e., 430.126(A)(1), (A)(3), or (A)(4)], or additional means should be provided to ensure that the cooling system is operating (flow or pressure sensing, interlocking of adjustable speed drive system and cooling system, etc.).~~ **These two sentences contain recommendations, which is not permitted in an informational note.**

Informational Notes to Article Titles

Article titles should not have informational notes. Informational notes to entire articles should be relocated to the scope of the article.

References in the NEC

References to other documents are only in the form of informational notes. Mandatory references to other codes or standards are not permitted. References to other standards should be limited to those documents that are necessary for the proper application of the NEC. Panels should avoid references to documents that the members do not have themselves and are not familiar with.

The Provisions of

The word “provisions” has been overused in the NEC. It has been used to describe fittings, terminations, requirements, and other things. For some reason, the phrase “the provisions of” has crept into the code in a number of places.

This started to occur after we stopped using the word “section” before section numbers in text. In most cases, it adds nothing to the understanding of the text. In most cases, it can be removed with some minor fixes. In other cases, it the word “provisions” should be replaced with the word “requirements.” For the most part, less is more. The following are examples of existing code that can be clarified through minor editorial changes.

210.13 Ground-Fault Protection of Equipment. Each branch circuit disconnect rated 1000 A or more and installed on solidly grounded wye electrical systems of more than 150 volts to ground, but not exceeding 600 volts phase-to-phase, shall be provided with ground-fault protection of equipment in accordance with ~~the provisions of~~ 230.95.

Exception No. 1: ~~The provisions of~~ This section shall not apply to a disconnecting means for a continuous industrial process

where a nonorderly shutdown will introduce additional or increased hazards.

(A) General Provisions. In every kitchen, family room, dining room, living room, parlor, library, den, sunroom, bedroom, recreation room, or similar room or area of dwelling units, receptacle outlets shall be installed in accordance with ~~the general provisions specified in~~ 210.52(A)(1) through (A)(4).

240.13 Ground-Fault Protection of Equipment. Ground-fault protection of equipment shall be provided in accordance with ~~the provisions of~~ 230.95 for solidly grounded wye electrical systems of more than 150 volts to ground but not exceeding 1000 volts phase-to-phase for each individual device used as a building or structure main disconnecting means rated 1000 amperes or more.

(B) Integral Parts of Equipment. ~~The provisions of~~ This article does not intended to apply to the conductors that form an integral part of equipment, such as motors, controllers, motor control centers, or factory-assembled control equipment or listed utilization equipment.

404.1 Scope. ~~The provisions of~~ This article applies to all switches, switching devices, and circuit breakers used as switches operating at 1000 volts and below, unless specifically referenced elsewhere in this *Code* for higher voltages.

Importance of Informational Notes

The number of informational notes has climbed in recent years. Panels should reconsider all of the notes each cycle. If it isn't important, consider removing the informational note.