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Introduction

Welcome to the November 2018 OSFM Engineering Newsletter. Of particular note, refer to the memo from the Deputy Commissioner, and to the spotlight on Accessibility Newsletters in the Interpretations section.

Current Topics

Memo from Deputy Commissioner

(This is article is a reprinted portion of an October 29th, 2018 memo, sent from Deputy Commissioner Cliff Isaac to Chief Building Code officials.)

We hope you are having a nice autumn. Since October 1, 2018 the new statute on Comity has been in effect. This grants NC Standard Certification for ICC Certified Code Officials with experience. Also, the Qualifications Board met and modified the ICC Matrix that shows the experience, ICC certifications and levels of Comity.

With these changes, Code Officials with ICC Certifications will have another good reason to move into North Carolina. This brings needed experienced personnel for our growing economy. County and City Managers should look to this as an added resource in recruitment to their jurisdictions. There are 220 current active building inspection departments throughout North Carolina. Many of these jurisdictions have long term needs when it comes to experienced inspectors. Some jurisdictions have immediate needs now. According to the North Carolina Building Inspectors Association website, there is a substantial number of positions available and this is just the visible market. It appears that almost every month or so, an experienced inspector (Code Official) retires. http://www.ncbia.org/ncbia2016_012.htm Our hope is that inspection departments find that perfect balance of new and experienced Code Officials.

Below is the link to the Inspector Marketplace. Please have anyone that is retired signup. Having those Code Officials assist local or even the state a few days per week for training and inspections is truly important.

http://www.ncdoi.com/OSFM/Engineering_and_Codes.aspx (Under RESOURCES, “Inspector Marketplace (Signup)” and “Inspector Marketplace (CEO List)” where you can see who all is on the list – 154 so far!

With all building inspection permit fees going to the inspection departments per the statutes, jurisdictions need to plan accordingly to provide any requested inspections within two business days. The new detailed reports from the jurisdictions next year will show where these fees are spent. Providing the best service is critically important to insure the long-term viability of the profession. North Carolina is building more than ever before.

Ordering the 2018 NC Code – Discounted Code Books

The 2018 NC Code is available and is shipping. Remember it is not mandatorily effective until Jan 1, 2019. Also, to receive the on-line “members” purchasing discount, ANYONE can go through NC Department of Insurance Website, following this path:

1. https://ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=Codes_-_Code_Book_Sales&user=State_Building_Codes
2. After the Code Book Sales web page opens, press the “Purchase State Building Code On-line” hyperlink. See July 26, 2018 Engineering Newsletter for screen shots of webpages, or just go to the DOI website.
3. This is the web address that will take you to ICC’s webpage that has all the North Carolina Code Books. When you order from the site you are redirected to, you will receive the discount. **If you enter the ICC Webpage directly, you will not get the discount.**

There are several different links on the DOI website to get to “purchase codes” online. All of them link to the same place on the ICC website and the discount will be applied. Only one of the links is shown in this article.

The 2018 NC Code (Except Electrical) Implementation Diagram

The 2018 NC Code has been adopted, but it is not mandatorily required (effective) until Jan 1, 2019. There is a minimum six-month overlap time required between adoption and mandatory effective date. On January 1, 2019 the 2018 NC code is effective, and the 2018 NC Code is the requirement. This overlap may be extended, but there is absolutely no indication that will occur and it should not be planned on. The full print versions have been available starting in July, and they are in stock with ICC and NC DOI.

The following represents a time line that may aid in planning when to budget for new code training and materials.

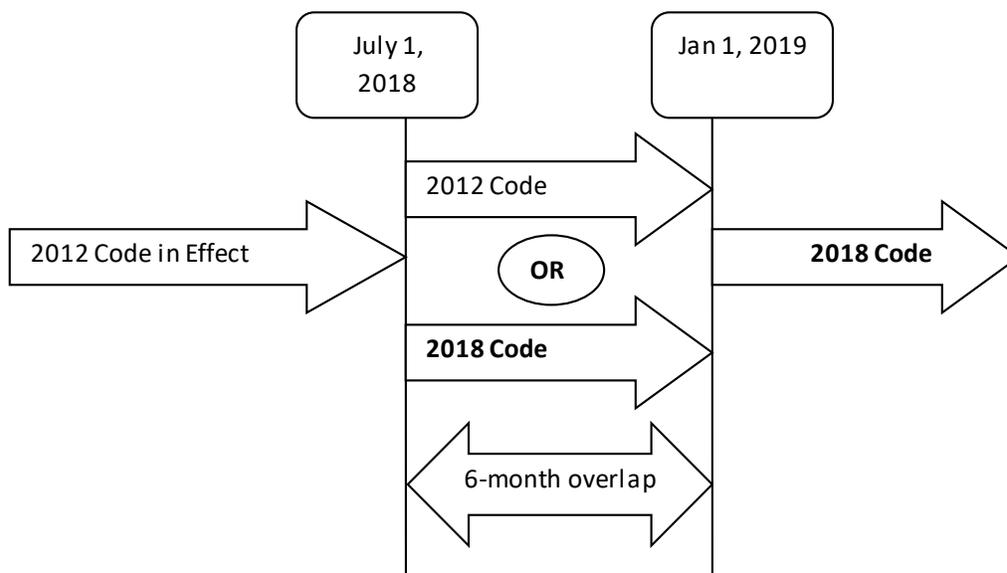


FIGURE 1: ADOPTION AND EFFECTIVE DATES*

- *Barring the unforeseen, these dates are solid, and December 31, 2018 will be the last date of acceptability for the 2012 NC Code. Starting Jan 1, 2019, only the 2018 NC Code will be effective. Contact local jurisdictions for uber-long design phase projects.
- Since both codes are available, the project should pick one code or the other; picking parts of both codes ala -carte is not the intent of this overlap period.

2018 NC Codes Errata

With the release of the 2018 NC Building Codes, you may discover errors in the documents. If you discover an error, we would like to invite you to share it with our staff as we verify and document these discrepancies. We will then forward them to ICC or post them on our web site dependent upon whether the correction is related to the base document or the NC amendments.

Errata is different from a desired code change. Errata are basically editing mistakes, such as dropped footnotes, references to code sections that got moved or misplaced, references to table or figures that are inaccurate, etc. Seemingly insignificant grammar changes that change the code meaning **would not automatically be considered errata**.

Please submit your corrections to the following contacts:

Carl Martin	Building	carl.martin@ncdoi.gov
Ali Kojoori	Residential	ali.kojoori@ncdoi.gov
Billy Hinton	Energy	billy.hinton@ncdoi.gov
Dan Austin	Fire	dan.austin@ncdoi.gov
Vacant	Existing Building	carl.martin@ncdoi.gov
Bill Moeller	Plumbing	bill.moeller@ncdoi.gov
Dan Dittman	Mechanical, Fuel Gas	dan.dittman@ncdoi.gov
Joseph Starling	Electrical	joseph.starling@ncdoi.gov
Mike Page	Administrative	mike.page@ncdoi.gov
Laurel Wright	Accessibility	laurel.wright@ncdoi.gov

Current ICC Errata are posted at <http://www.iccsafe.org/cs/codes/Pages/errata.aspx>

Current (2012) NC Errata are posted at:

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/2012_NCBuildingCode_amendments/Errata%20Central.pdf

As soon as errata are identified, they will be posted to a site very close to the 2012 errata location. The reader can use the 2012 sheets as examples to what errata are vs. amendments.

Walk-In Customers: 2012 Remaining Books Discounted even more

We have reduced the price of the Code books on all the 2012 and 2015 NC Code books see pricing list below

https://ncdoi.com/OSFM/Engineering_and_Codes/Documents/State_Building_Codes/CodeForm.pdf

2012 NC Building Code with Amendments.....\$20.00
2012 NC Energy Code with Amendments.....\$5.00
2015 NC Existing Building Code with Amendments.....\$10.00
2012 NC Fire Prevention Code with Amendments.....\$10.00
2012 NC Mechanical Code with Amendments.....\$10.00
2012 NC Residential Code with Amendments.....\$20.00

Notes: 2012 Codes not listed are sold out. Limited supplies left.

Recurring Articles

Building Code Council Approved Rule Changes

At the September 11th, 2018 Building Code Council meeting, there were 7 D-Items and all 7 of these were adopted. Please refer to the following link to review the list of D-Items from the September 2018 Building Code Council Meeting:

BCC Meeting Agenda-September 2018 (Minutes will be published online in December)

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/BCC_Agendas/2018%2009~September%2011,%202018.pdf

Assuming the June BCC-approved D-Item is approved by the Rule Review Commission, the adopted rule will be placed on the NCDOT Engineering website. The compilation of previously approved rules is located in the document "**2017-2019 Approved Cumulative Amendments (Effective 1/1/2019)**" document. Previously approved amendments that had an effective date of January 1, 2017 or earlier can be found in the document "**Accumulative Supplement to the 2012 NC Building Code**". This document contains all amendments from 2012, 2013, 2014, 2016, and 2017 and are posted in this single document.

Accumulative Supplement to the 2012 NC Building Code links:

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/2012_NCBuildingCode_amendments/2012-2017ApprovedCumulativeTest1Format.pdf

2017-2019 Approved Cumulative Amendments (Effective 1/1/2019)

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/2012_NCBuildingCode_amendments/2017-2019%20Approved%20Cumulative%20171212.pdf

The full review of the June-approved code amendments is left to the reader, but **the titles of each item** are bulleted below. Please note the minutes may not be available on the DOI website until the next quarterly meeting in December 2018.

BCC Proposed Amendments-September 2018

- **Item D – 1 Request by Joe Gorza, representing Space Walk of Currituck, to amend the 2018 NC Fire Code, Sections 105.6.43 & 2403.2 as follows: (Remainder not shown for brevity) – proposal denied.**
- **Item D - 2 Request by Randall Shackelford, P.E., representing Simpson Strong-Tie Company, to amend the 2018 NC Residential Code, Section AM105.1 as follows: (Remainder not shown for brevity) – proposal passed.**
- **Item D – 3 Request by Randall Shackelford, P.E., representing Simpson Strong-Tie Company, to amend the 2018 NC Residential Code, Section R4603.6 as follows: (Remainder not shown for brevity) – proposal passed.**
- **Item D – 4 Request from Terry Cromer representing the NC Association of Electrical Contractors to amend the NC Electrical Building Code as follows: 410.2 Definition. Closet Storage Space. (Remainder not shown for brevity) – proposal passed.**
- **Item D – 5 Request by Terry Cromer, representing the NC Association of Electrical Contractors to amend the 2017 NC State Electrical Code as follows: 410.16 Luminaires in Clothes Closets. (Remainder not shown for brevity) – proposal passed.**
- **Item D – 6 Request by Jonathan Leonard representing the NC Fire Code Revisions Committee to amend the 2018 NC Fire Code 2018, Section 314.4 as follows: 314.4 Vehicles. (Remainder not shown for brevity) - proposal passed**
- **Item D – 7 Request by Jonathan Leonard representing the NC Fire Code Revisions Committee to amend the 2018 Fire and Building Code, Section 1010.1.9.11 as follows: (Remainder not shown for brevity) – proposal passed**

Qualification Board Update

Minutes

The minutes of the Qualifications Board Meeting Minutes are available at the following links:

Meeting Minutes and Agendas

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=COQB_Minutes&user=Code_Officials_Qualification_Board&sub=COQB_Meeting

Individuals wishing to provide feedback are encouraged to contact Kathy Williams at Kathy.Williams@ncdoi.gov

Department Notes

Engineering Department

Personnel Notes

In Memoriam – Jerry Hardison

The Engineering Department wishes to honor a colleague and friend who passed away recently, Mr. Jerry Hardison. Mr. Hardison worked as a building inspector for Hyde County in his second career after his first career as a correctional officer. We will miss his cheerful, gravelly Northeast NC voice on the phone; and offer our condolences to his family, friends, and colleagues.

New Hire

Tom Cooney. We are pleased to announce that Tom Cooney, PE has joined OSFM as the new Investigation and Certification Engineer for the NC Code Officials Qualification Board. Tom brings with him 29 years of local government experience that includes 14 years of Law Enforcement in South Carolina, 13 years as an Assistant County Engineer and then Director of Public Utilities in Cumberland County. The past 2 years, Tom served as Director of Public Works and Chief Code Enforcement Official for the town of Spring Lake. He looks forward to his new duties and we look forward to working alongside him. Welcome to the NCDOT/OSFM team!

Vacated Position

Melanie Butler, who served as the Chief Existing Building Code Official and supported many other codes for eight years, has left the office for a position with NC State University. We wish her well in her new position. Her duties will be covered by remaining staff until the position can be filled.

New Code Interpretations, Guidance Papers, and Appeals Posted

Since the prior Newsletter, there has been the following web interpretations and guidance papers posted to aid the building owner, inspection, design professional, and construction personnel:

Code, Guidance, Appeals link:

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=Code_Interpretations&user=State_Building_Codes

Guidance Papers

None since prior newsletter

These papers are to assist local jurisdictions on how NCDOT views a given law. These are not legal advice, but opinions. They are located under the table heading “SPECIFIC ACTIONS” in the Interpretations matrix.

Interpretations – Spotlight on Accessibility Newsletters

There have not been any web interpretations since the prior newsletter. The office is in the process of rolling over the still-pertinent 2012 interpretations into a new 2018 slot. Each 2012 interpretation will be reviewed to see if it is still relevant with the issuance of the 2018 code. If it is, then it will be rolled into the 2018 slot in the interpretations matrix.

It may not be clear to all interested parties that Accessibility interpretations are routinely discussed and illustrated in the Accessibility Newsletter, and they can be viewed at the following web location:

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=Code_Enforcement_-_Accessibility_Update_-_Newsletters&user=Code_Enforcement_Resources&sub=Accessibility_Update

The statements and views in these newsletters carry the same weight as a web interpretation. Many of them are case studies and may be project-specific, but they are generally covering a topic that can be applied to other similar buildings.

Please note the newsletter is for multiple years, and you want to make sure the issue you are researching is not superseded by a later edition. The issues are posted in chronological order (oldest at the top, newest at the bottom of the webpage). The volume # is simply referring to the sequence in which it was published and not an actual calendar year. Likewise, the Issue # is the sequential newsletter of that year and does not necessarily correspond to a month. Refer to Table 1 for details.

TABLE 1: VOLUME AND ISSUE CROSS-REFERENCE TO CALENDAR YEAR

Volume #, Issue #'s	Corresponding Year
Volume 1, Issue 1,2,3	2010, 3 Issues
Volume 2, Issue 1,2,3,4,5,6,7	2011, 7 issues
Volume 3, Issue 1,2,3,4	2012, 4 Issues
Volume 4, Issue 1,2,3,4	2013, 4 Issues
Volume 5, Issue 1,2	2014, 2 Issues
Volume 6, Issue 1,2	2015, 2 Issues
Volume 7, Issue 1,2,3,,,8	2016, 8 Issues
Volume 8, Issue 1,2,3,,,11	2017, 11 Issues
Volume 9, Issue 1,2,3,,,8..	2018, 8 issues to date

From Volume 9, Issue 8

- NCBC 1104.4 Exception 1 – Elevator Requirements
- ANSI 603.5-Baby-Changing Tables
- ANSI 502.4.1 Access Aisles
- NCBC 1109.8-R-2 Storage Follow-Up

Titles From Volume 9, Issue 7 include:

- NC Existing Building Code 705
- ANSI 406.12/.13/.14-Detectable Warnings as Skateboard Deterrents: NOT!
- NCBC 1109.2.8-Stages: Churches + Perf. Areas
- NCBC 1007.2 + Accessible Exits
- NCBC 1104.5-Location of Accessible Route

See NC DOI webpage for full list of titles and documents.

Formal Interpretations and Appeals

No formal interpretations or appeals since prior newsletter

Formal interpretations and Appeals are available in the interpretations link shown above. They are located under the table heading “SPECIFIC ACTIONS”.

Cumulative Supplements

Cumulative code changes and their adoption dates can be found on the DOI website at:

Cumulative code changes link:

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/2012_NCBuildingCode_amendments/2017-2019%20Approved%20Cumulative%20171212.pdf

2017-2019 Approved Cumulative Amendments (Effective 1/1/2019)

Remember, refer to NC Administrative Code section **102.4 Effective date of rules**, and **102.5 Interim use of approved rules** for clarification of effective dates and the process for using approved rules prior to the effective date.

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/2012_NCBuildingCode_amendments/2017-2019%20Approved%20Cumulative%20171212.pdf

Please note the 2017-2019 amendments are in a slightly different place than the other annual amendments when you are navigating the website.

Education Section

OSFM Engineering Division Programs – *Inspector Education FY2018-2019*

Please email mike.hejduk@ncdoi.gov with your comments, questions or concerns.

NC Building Code Training

The most up-to-date training schedule for all building codes are available at the following link:

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=Code_Education_-_Student_Main&user=Code_Education_Resources

Once the web page is accessed, click the “**FIND A CLASS**” button to refine your search. As always, please consider the use of the Standard Classes if you are a design professional, contractor, or code official, as they are an underutilized offering and are the primary source of code training in NC. They are, by design, the most thorough code training provided. One may also wish to consider taking a course (or two or three) in the Building or Fire code even if you do a trade, since the Building and Fire code goes into more depth on fire and smoke compartmentalization and rated walls, barriers, partitions, etc. and how they need to be protected. Starting in late November or December, the Standard Courses will be using the 2018 Code, so this is an excellent opportunity to both get the code updates and a more in-depth knowledge of the codes.

The NC International Association of Electrical Inspectors has some classes coming up before the end of the year, and some stretching into early 2019. Please review the respective association websites, in addition to the NC DOI website for available training.

COCO Newsletters

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=Code_Enforcement_-_COCO_Newsletters&user=Code_Enforcement_Resources

<http://www.ncbia.org/>

<http://ncpia.us/>

<http://ncmia.com/>

<http://www.ncfma.com/>

<http://www.nciae.org/>

November 14th – Morganton; November 29th – Goldsboro; December 6th – Asheboro; January 10th, 2019 – Williamston; January 24th, 2019 -- McLeansville

Reminders and other Resources

2018 NC Code Online version?

Although there is presently a 2012 free on-line code that is fully downloadable and printable, THERE ARE PRESENTLY NO PROVISIONS FOR MAKING THE 2018 CODE THIS WAY. This feature for the 2012 Codes will not be available after December 31, 2018 (downloadable, printable). There will be a limited capability version that will allow a viewer to look at the code, but the viewer will not be able to download, copy/paste, or print the code for free.

Reminder: Limited time only, Free 2012 NC Code Downloads Available

As noted in prior Engineering Newsletters, the Building Code Council and the NC Department of Insurance have negotiated for and achieved funding from the NC General Assembly for the offering of a free (free to the user) downloads of the 2012, 2014 and 2015 NC Building Codes. These codes are the fully downloadable and printable for a limited time courtesy of the Department of Insurance. The link to the codes is:

<https://codes.iccsafe.org/public/collections/nc>

The web page for ICC has changed quite a bit since the last newsletter, and it may be a little more difficult to locate the free downloads, but they are still available. In the new drop-down boxes, select the 2012 code and hit the search option to get to the 2012 codes. You may have to scroll down to find the codes.

Please take advantage of this limited time offer--it ends December 31, 2018 which is fast approaching. After December 31st, these code will become read-only!

End of Newsletter