



National Green Building Standard (ICC/ASHRAE 700)

2018 Revision Process

**April 18-19, 2017 Meeting of the
Consensus Committee and Task Groups**



2018 NGBS Update Website

www.homeinnovation.com/NGBS

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- All up-to-date information is always posted
- Nothing gets removed – permanent log
- Items do get updated (revision history)
- If it's not posted, we don't have it

Meeting Purpose

- Orientation of Committee and Task Groups on the update process
- Task Groups start review of proposed changes
- Task Group review of Standard for developing TG proposed changes including review of references
- Committee provide direction for Task Group on broad, cross-cutting issues

Objectives of the Presentation

- Discuss NGBS history and organizing principles
- Discuss ANSI process
- Discuss 2018 NGBS update process
- Discuss Home Innovation's experience as Adopting Entity (Michelle Foster)

2018 Update Process

Why:

- Fulfill ANSI requirements for continuous maintenance process
- Remain current with new technologies and market expectations
- Improve usability of the NGBS based on certification experience
- Address relevant changes to the reference documents

History of NGBS

ICC/ASHRAE 700

- **2005** – NAHB Green Home Building Guidelines developed by a wide stakeholder group
- **2007** – NAHB and ICC announce development of an ANSI Standard
- **January 29, 2009** – ANSI approval of 2008 NGBS
- **January 10, 2013** – ANSI approval of 2012 NGBS
- **March 2014** – ICC/NAHB/ASHRAE partnership
- **March 2016** – ANSI approval of 2015 NGBS

NGBS Organizing Principles

- Uniform and universal green building criteria for all types of residential buildings
- Organization and format lend to integration into design and compatible with building code requirements
- Criteria transparent, practical, verifiable
- Criteria based on degree of benefit

NGBS Organizing Principles

- Establish minimum thresholds in all green building categories
- Provide a range of performance levels, including ultra-efficient, to accommodate various markets
- Minimum thresholds that can be practically and economically implemented
- Provide flexibility for use in various climates and regulatory markets

NGBS – Definition of Green

- “Green buildings are designed, constructed, and operated with a goal of minimizing their environmental footprint ...”
(Commentary)
- Implemented by establishing 6 (six) green building categories:
 - land development, resources efficiency, water efficiency, energy efficiency, IEQ, operation and education

NGBS Point System

- A multi-tiered green performance level system
 - Bronze, Silver, Gold, Emerald
- A minimum number of points must be achieved in each category
- Performance levels expressed in terms of minimum required number of points
 - Exceptions: functional areas, accessory structures
- A set of mandatory practices
- Points are assigned to each practice based on relative ranking within the chapter
- Water and energy are aligned with savings

NGBS Point System

- Enables designers to find the most effective and efficient path in reaching the project's green building goals
- Ability to achieve and recognize incremental improvements
- Ability to emphasize regional and local environmental conditions
- Ability to integrate into varying regulatory markets (*NGBS gets to market quicker than codes*)
- Ability to evolve more quickly with changes in technology, market, and regulation

ANSI Process

- Cornerstones of ANSI process
 - Openness
 - Consensus
 - Balance
 - Representation
 - Due process
- Result
 - Recognition and credibility

ANSI Process

- Openness
 - Open CC and TG application process
 - Proposal process
 - Public comment process
 - Appeals process
 - Open meetings

ANSI Process

- Consensus, Balance, Representation
 - Consensus Committee of 42
 - General Interest – 10
 - Users – 16
 - Producers – 16
 - Broad stakeholder representation
 - 2/3 of the committee must be in agreement to implement a change

ANSI Process

- Due process
 - Ballot of all substantive changes
 - Consideration of views and objections from committee and public
 - Opportunity for committee members to change their vote after consideration of objection(s)
 - Appeals process

ANSI Process

- New for 2018 update
 - Public comments on the Second Draft will be submitted to Task Groups
 - Staff will first categorize all proposed changes to identify items for deferral to next cycle:
 - Not directly relevant to change, expands the change, appends to the change, an incremental improvement, new concept that requires the benefit of the entire process, etc.
 - Consent agenda will be used based on TG recommendations
 - Committee members will have a chance to call a meeting (conference call)

Home Innovation Research Labs

- ANSI-accredited standards developer
- Secretariat function – establish the rules (in compliance with ANSI essential requirements) and make sure the rules are followed
- Committee Staff:
 - Luis Escobar
 - Vladimir Kochkin

2018 Update Process

Milestones:

- Announcement and call for proposed changes and CC and TG applications – *January 5, 2017*
- Appointments announced – *February 24, 2017*
- Proposed changes form closed – March 12, 2017
- Proposed changes posted – March 27, April 12, 2017
- First meeting – April 18-19, 2017
- New Proposed Changes from TG members ONLY – **due May 12, 2017**
- Reference Standards Update by TG members ONLY – **due June 30, 2017**

2018 Update Process

Milestones:

- TG actions on ALL proposed changes – **due September 1, 2017**
- Initial Point Assignments – **due September 1, 2017**
- Committee Meeting to take Formal Actions on Proposed Changes – **Oct 31-Nov 2 (tentative)**
- Committee Ballot – December-January
- Circulation of comments on disapproved items – February
- Public Comment Period – March-April 2018
- Committee Meeting on PCs – Summer 2018

Balloting and Voting

- A simple majority of members have to return ballot (including abstentions and negatives without a reason) for ballot to be valid
- 2/3 voting in the affirmative (not counting abstentions and negative ballots without comment) is required to achieve consensus

Balloting and Voting

- Votes counted by individual proposed change
- Proposed changes that do not achieve consensus – disapproved
 - The current language (2015 NGBS) is retained
- There will not be a vote to approve the entire document

Future Committee Meetings

- Votes on disposition of proposed changes, public comments, etc
- To develop a sense of agreement prior to ballot (formal consensus - ballot)
- Opportunity to debate issues face to face – consensus building
- 2/3 majority (not counting abstentions)
 - Simple majority at chair's discretion
- No quorum requirements for meetings

Logistics

- All relevant information: www.HomeInnovation.com/ngbs
- All general announcements and communications: standards@HomeInnovation.com
 - *All should have received emails*
- All ballots will be issued electronically and voting will occur via a web-based application
- Send questions to standards@HomeInnovation.com

Task Groups Role and Organization

- Provide committee with additional technical expertise
- Not a consensus body
- Recommendations only
- Six Task Groups (12-17 people per TG)
- Coordination TG: Chairs and Vice Chairs
- Staff role

Task Groups Role and Organization

- Review Proposed Changes
- Generate additional Proposed Changes as needed
- Review Points
- Review Reference Standards (as needed)
- Review Public Comments
 - Draft
 - Second Draft

Task Groups

- Coordination TG: Administration & Compliance (Ch. 1, parts of Ch. 2 and Ch. 3) and Items with Standard-Wide Implications
 - Bob Ross - Chair
 - Amy Schmidt; Ron Nixon - Vice Chairs
 - Vladimir Kochkin, Luis Escobar - Staff
- TG-2: Site and Lot Development (Ch. 4,5)
 - Bill Sanderson - Chair
 - Chuck Foster - Vice Chair
 - Staff: Claire Worshtil - Staff
- TG-3: Resource Eff. and Ind. Env. Quality (Ch. 6,9)
 - Theresa Weston - Chair
 - Matt Dobson - Vice Chair
 - Luis Escobar - Staff

Task Groups

- TG-4: Water Efficiency (Ch.8)
 - Michael Cudahy - Chair
 - Hope Medina - Vice Chair
 - Patti Gunderson - Staff
- TG-5: Energy Efficiency (Ch.7)
 - Craig Conner - Chair
 - Aaron Gary - Vice Chair
 - Vladimir Kochkin - Staff
- TG-6: Multifamily (Ch.3, all)
 - Sanford Steinburg - Chair
 - Matt Cooper - Vice Chair
 - Eric Tilden - Staff

Task Groups

- TG-7: Renovations and Additions (Ch.3, 11, 12)
 - Chris Mathis - Chair
 - Chris Schwarzkopf - Vice Chair
 - Michelle Foster - Staff
- Implementation Experience
 - NGBS verifiers
 - Architects
 - HI Staff – Michelle Foster
- Additional Considerations
 - TG-6 Multifamily
 - TG-7 Remodeling

Multifamily, Remodeling

- Multifamily:
 - Notice of concurrent review
 - Review of proposed changes for applicability to multifamily buildings
 - Remodeling of multifamily buildings
 - Developing provisions to address the scope change
- Remodeling
 - Notice of parallel proposal
 - All approved changes are applied to parallel sections in Chapters 11 and 12 unless modified by TG-7
 - Notice of concurrent review

TG Logistics

- TG meetings are run by the Chair or Vice Chair
- Frequency of TG calls established by Chair based on workload
- Meetings open (managed by Chair)
- Staff: logistical support only
- Only TG members vote
- Simple majority of TG members in attendance is sufficient to move an action forward (not counting abstentions)
- ALL proposed changes get moved to the Committee
- Consent Agenda format

TG Logistics

- MS Word file with all proposed changes (Chair/Staff)
 - Recommended actions
 - Reason for each proposed change
 - Reason for TG recommendation
 - Due September 1, 2017
- TG vote count recorded and reported to CC ('unanimous' acceptable)
- New Proposed Changes - **due May 12, 2017**
 - TG members only
 - Submit to the TG Chair, a copy to TG Staff, a copy to standards@homeinnovation.com
 - Must use the Form
- TG webinars (zoom) will be managed by staff

Proposed Changes

Coordination Task Group	12
Task Group 2	62
Task Group 3	67
Task Group 4	37
Task Group 5	102
Task Group 6	38
Task Group 7	105
Total (unique)	408

*Initial count last cycle: 281

Actions on Proposed Changes

- Approve (only editorial changes can be implemented)
- Approve as modified (stay within the spirit of the original proposal)
- Disapprove (flat-out or in favor of a similar proposal)

Reason statement: does not need to be long, but should concisely describe the rationale for rejecting the change or making a modification (Approve does not require a reason)

Meeting Assignments

- Start taking actions on proposed changes
- Start development of TG changes on assigned chapters as needed
- Reconvene tomorrow morning for general session
 - Task Group Chair reports
 - Committee discussion on “Big Picture” items
 - Next meeting dates
- Remember the Deadlines
 - May 12, 2017 and June 30, 2017
 - September 1, 2017

'Big Picture' Items – require Standard-wide Coordination

- Minimum green code
- Recognition of individual green categories
- Resiliency
- Wellness
- Update all ICC codes to 2018
- New Scope: mixed-use and certain institutional occupancies

Revised Scope

The provisions of this Standard shall apply to design and construction of buildings containing residential portions which constitute not less than 75 percent of the total square footage of the building. This Standard shall also apply to subdivisions, building sites, building lots, accessory structures, and building's alterations, additions, and renovations. For the purpose of this standard, assisted living facilities, group homes, and residential board and care facilities are considered residential.

TG-6 Multifamily

Questions?

2018 NGBS WEBSITE:

www.homeinnovation.com/NGBS



Vladimir Kochkin

Home Innovation Research Labs

400 Prince George's Blvd ♦ Upper Marlboro, MD 20774

(toll-free) 800.638.8556 ♦ (fax) 301.430.6180

www.HomeInnovation.com