



**ASHRAE** American Society of Heating, Refrigerating and Air-Conditioning Engineers Inc.

1791 Tullie Circle, NE • Atlanta, Georgia 30329-2305 ☎ 404-636-8400 • Fax 404-321-5478

**TG MINUTES COVER SHEET**

TC/TG/TRG NO.:           **TG2**                              ISSUE DATE:           **October 8, 2014**          

TC/TG/TRG TITLE:           **HVAC Security**          

DATE OF MEETING:           **July 1, 2014**                              LOCATION:           **Seattle, WA**          

MEMBERS PRESENT	TERM END	MEMBERS ABSENT	TERM END	ADDITIONAL ATTENDANCE
Anthony York, Chair Jason DeGraw, Vice Chair Howie McKew, Secretary Jason DeGraw, Standards Subcommittee Chair Richard Sherren, Member Scott Campbell, Member Bose Thomas Karl Peterman	6/30/15 6/30/17 6/30/17 6/30/17 6/30/14 6/30/17 6/30/17 6/30/17	David Bloom Brian Monk	6/30/17 6/30/17	<b>Corresponding Members:</b> None  <b>Liaisons / Staff / Ex-Officio Members:</b> Cyrus Nasser, Standards Liaison  <b>Guests:</b> Ron Cosby Barney Burroughs Carol Lomonaco Stephen Martin Larry Spielvogel

**DISTRIBUTION**

**ALL MEMBERS OF TG**

**TAC COMMITTEE CHAIR:** \_\_\_\_\_

**TAC SECTION HEAD:** \_\_\_\_\_

**LIAISONS:**

CEC Liaison: \_\_\_\_\_ (NP)                      Publications Liaison: \_\_\_\_\_ (NP)                      Special Pubs Liaison: \_\_\_\_\_ (NP)  
Handbook (Section 2 Head): \_\_\_\_\_ NP                      Research Liaison: \_\_\_\_\_ (NP)                      CTTC Liaison: \_\_\_\_\_ (NP)  
Professional Development Liaison: \_\_\_\_\_ NP                      2015 Handbook Liaison: Chris Ahne NP  
Staff Liaison/Research/Technical Services: \_\_\_\_\_ NP                      Manager of Standards Liaison: \_\_\_\_\_ (NP)  
Standards Liaison: Cyrus Nasser

\*\* NP Not Present

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January 2015



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**ASHRAE TG2 ACTIVITIES SHEET**

ISSUE DATE: July 1, 2014

TC/TG/TRG NO.: TG2

TC/TG/TRG TITLE: HVAC Security

CHAIR: Anthony York

VICE-CHAIR: Jason DeGraw

SECRETARY: Howie McKew

**TC/TG/TRG MEETING SCHEDULE**

Location - Past 48 Months	Date	Location - Planned Next 36 Months	Date
Las Vegas, NV	2.01.2011	Chicago, IL	1.24.2015
Montreal, PQ (Canada)	6.28.2011	Atlanta, GA	6.27.2015
Chicago, IL	1.24.2012	Orlando, FL	1.23.2016
San Antonio, TX	6.23.2012	St. Louis, MS	6.25.2016
Dallas, TX	1.26.2013		
Denver, CO	6.22.2013		
New York, New York	1.18.2014		
Seattle, Washington	6.28.2014		

**TC/TG/TRG SUBCOMMITTEES**

Function	Subcommittee Chair
ALI/PDC Coordinator	---
Handbook	Howard McKew
Honors and Awards	---
Membership	---
Programs	Bose Thomas
Publications	---
Standards	Jason DeGraw
Research	---
Webmaster	Scott Campbell

**RESEARCH PROJECTS – CURRENT**

Project Title	Contractor	Monitoring Comm. Chairperson	Report Made At Mtg.
<i>NONE</i>			

**LONG RANGE RESEARCH PLAN**

Rank	Title	W/S Written	Approved	To RAC
<i>NONE</i>				

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<b>HANDBOOK RESPONSIBILITIES</b>				
Year & Volume	Chapter Title	Chapter No	Reviser	Reviewer
2015 Applications <b>SUBMITTED</b>	HVAC Security	59	Howard McKew	TGR-2 Members
<b>STANDARDS ACTIVITIES</b> - List and Describe Subjects				
Guideline 29-2009 —Guideline for the Risk Management of Public Health and Safety In Buildings needs to be revised. Scott Campbell shall Chair this initiative. Also assisting will be Richard Sherren and possible Josephine Lau and Barney Burroughs. Motion to Proceed: Richard Sherren. Seconded by Scott Campbell				
<b>TECHNICAL PAPERS</b> from Sponsored Research – Title, when presented (past 3 yrs. present & planned)				
1. None.				
<b>TC/TG SPONSORED TRANSACTION SESSIONS</b> – Title, when presented (past 3 yrs. present & planned) & Chair				
1. None				
<b>TC SPONSORED SEMINARS</b> – Title, when presented (past 3 years, present, & planned) & Chair; Speaker, Speaker, Speaker				
1. <i>HVAC Security – Less We Forget”</i> (2011 Winter-Las Vegas) McKew; Cogley, Dobbs, & Campbell				
<b>TC/TG SPONSORED FORUMS</b>				
1. None				
<b>JOURNAL PUBLICATIONS</b>				
1. None				

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**TG2 HVAC Security**  
**Meeting Minutes**

Meeting Date: July 1, 2014  
Seattle, Washington

**I. Call to Order**

- a) Chair Anthony York called the meeting to order at 9:00 AM local time,

**II. Introduction of Members And Guest**

- a) Self-introductions of members and guests were made around the table as the attendance roster was circulated. Chair welcomed all members and visitors.

Voting Members:	7 Present 2 Absent, Quorum Achieved
Voting Non-Quorum Members:	0
Corresponding Members:	0 Present
Society Liaisons:	1 Present, Standards Committee
Staff Liaisons:	0 Present
Guests:	5 Present

*Note: Voting Non-Quorum members are voting members if present, but do not count against quorum if absent.*

**III. Minutes from New York City Winter Meeting 2014**

- a) There were no meeting minutes from that last meeting so there was “no vote.”
- b) Motion carried 0-0-0-0-0.  
*Secretary’s Note: All votes recorded herein are formatted as (Aye-Nay-Abstain-Chair not voting-Absent).*

**IV. Agenda Comments / Updates (A. York)**

- a) TG Focuses:
  - 1. HVAC Security
  - 2. Resiliency
  - 3. Chicago – Track 6: Life Safety
- b) Handbook – Howard McKew
- c) Guideline 29 -
- d) Program Update – Bose Thomas
- e) Research – Jason DeGraw
- f) Webmaster – Jason DeGraw



g) Open Discussion

**V. TG Focus Discussion:**

- a). Our TG is focused on HVAC Security at a conceptual level that is an “umbrella” to many of the TC’s
- b). Our TG should consider the changing of Chapter 59 to HVAC Security and Resiliency. It was noted that the changing of the Chapter title is up to us in TG2 similar to our changing the Chapter 59 title to HVAC Security when we issued our 2011 Application Handbook revisions. Howard McKew will champion Handbook changes within the next year, rather than wait to make the change in the 4-year Chapter Reviser cycle, to incorporate resiliency (e.g., getting system back on, equipment location, etc.) a topic within the Chapter.

**VI. Handbook:**

- a). Chapter 59 revisions for the 2015 Application Handbook has been submitted to ASHRAE Publications.
- b). Consideration should be given to changing Chapter 59 from “HVAC Security” to “HVAC Security and System Resilience”.

**VII. Guideline 29:**

- a) Reaffirmation has been rejected by ASHRAE because too many references have been updated
  1. A Project Committee is needed with 1 Chair (Scott Campbell) and 3 members (Barney Burroughs, Josephine Lau, & Richard Sherren)
  2. A schedule will need to be set to resubmit
  3. Motion was made (Richard) and seconded (Scott)

**VIII. Program & Workshops:**

- a) Open discussion touched on several topics for Chicago-Track 6: Life Safety

**10-08-14 COMMENT: Life Safety through HVAC Security and System Resilience seminar has been APPROVED**
- b) A workshop consideration “Concerns with Renovation” was discussed. No decision made at this time.

**VIII. Research:**

- a) Jason will try and pursue URP or RTAR
- b) Scott mentioned possible RTAR for blast loading for louvers and dampers

**IX. Webmaster:**

- a) Up to date

**X. Open Discussion:**



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**XI. Old Business:**

- a) None

**XII. New Business**

- a) None

**XII. Adjournment**

- a) Next Meeting: Tuesday, Jan 27, 2015 at 9:00 pm in Chicago
- b) Meeting adjourned at 11:30 AM.

**XIII. Attachments:**

- a) **Organizations Announce Commitment To Promote Resilient Buildings**
- b) Industry Statement on Resilience

**End of Minutes**

Respectfully submitted by:

Howard McKew, Secretary



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## Organizations Announce Commitment To Promote Resilient Buildings

May 13, 2014

**Contact:** Jodi Scott Public Relations 678-539-1140 [jscott@ashrae.org](mailto:jscott@ashrae.org)

**Washington, D.C.** – Leaders of America’s design and construction industry – along with building owners and operators – for the first time have agreed to incorporate resilience in planning, building materials selection, design, construction and operational techniques to make the nation’s aging infrastructure more safe and secure. Resilience is defined as the ability to prepare and plan for, absorb, recover from and more successfully adapt to adverse events.

The leadership of almost two-dozen leading design and construction industry associations with more than 700,000 members generating almost \$1 trillion in GDP today used the occasion of “Building Safety Month” to issue a joint statement on resilience, which can be found at <https://www.ashrae.org/File%20Library/doclib/statement.pdf>.

The statement was unveiled at a press conference at the National Building Museum, where a major exhibition titled *Designing for Disaster* presents design and building solutions for disaster mitigation, opened May 11.

“We recognize that natural and man-made hazards pose an increasing threat to the safety of the public and the vitality of our nation,” reads the statement, in part. “We further recognize that contemporary planning, building materials, design, construction and operational techniques can make our communities more resilient to these threats.”

The leadership committed their design and construction sector organizations to significantly improve the resilience of the nation’s entire built environment through research into new materials, construction procedures and other methods to improve the standard of practice. Among other things, they also committed the industry to educating itself through continuous learning; to advocating for effective land use policies; to responding to disasters alongside first responders; and to planning for future events, with a strategy for fast recovery.

ASHRAE has been engaged in the area of resilience for a number of years. Its guidance includes ASHRAE Guideline 29-2009, “Guideline for the Risk Management of Public Health and Safety in Buildings;” the “Report of Presidential Ad Hoc Committee for Building Health and Safety under Extraordinary Incidents” developed after the events of Sept. 11, 2001; and guidance related to seismic restraint, including the “Practical Guide to Seismic Restraint, 2nd

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Edition” and ANSI/ASHRAE Standard 171-2008, Method of Testing Seismic Restraint Devices for HVAC&R Equipment.

“The built environment industry strives to design, construct and operate buildings to withstand both natural disasters and man-made hazards,” ASHRAE President Bill Bahnfleth said. “We must use the knowledge gleaned from disasters like the Tohoku earthquake and tsunami, Superstorm Sandy, last year’s Oklahoma City tornado and others, as well as predictions of the effects of climate change, to our advantage to save lives and infrastructure in the future. ASHRAE is pleased to stand beside these other organizations in making this commitment to protect the public and building stock.”

In addition to ASHRAE, here is a list of organizations signing onto the joint statement on resilience:

American Council of Engineering Companies American Institute of Architects American Planning Association American Society of Civil Engineers American Society of Interior Designers American Society of Landscape Architects American Society of Plumbing Engineers Associated Builders and Contractors Associated General Contractors of America Building Owners and Managers Association International Code Council International Interior Design Association Lean Construction Institute National Association of Home Builders National Institute of Building Sciences International Facility Management Association National Society of Professional Engineers Royal Institute of Chartered Surveyors Urban Land Institute U.S. Green Building Council





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### *Industry Statement on Resilience*

Representing more than 750,000 professionals, America's design and construction industry is one of the largest sectors of this nation's economy, generating over \$1 trillion in GDP. We are responsible for the design, construction, and operation of the buildings, homes, transportation systems, landscapes, and public spaces that enrich our lives and sustain America's global leadership.

We recognize that natural and manmade hazards pose an increasing threat to the safety of the public and the vitality of our nation. Aging infrastructure and disasters result in unacceptable losses of life and property, straining our nation's ability to respond in a timely and efficient manner. We further recognize that contemporary planning, building materials, and design, construction and operational techniques can make our communities more resilient to these threats.

Drawing upon the work of the National Research Council, we define resilience as the ability **to prepare and plan for, absorb, recover from, and more successfully adapt to adverse events.**

As the leaders of this industry, we are committed to significantly improving the resilience of our nation's buildings, infrastructure, public spaces, and communities.

We **research** materials, design techniques, construction procedures, and other methods to improve the standard of practice. We **educate** our profession through continuous learning. Through coordinated and continuous learning, design, construction and operations professionals can provide their clients with proven best practices and utilize the latest systems and materials to create more resilient communities.

We **advocate** at all levels of government for effective land use policies, modern building codes, and smarter investment in the construction and maintenance of our nation's buildings and infrastructure. We **respond** alongside professional emergency managers when disasters do occur. Industry experts routinely work in partnership with government officials to survey damage, coordinate recovery efforts, and help communities rebuild better and stronger than before.

We **plan** for the future, proactively envisioning and pursuing a more sustainable built environment.

**The promotion of resilience will improve the economic competitiveness of the United States.** Disasters are expensive to respond to, but much of the destruction can be prevented with cost-effective mitigation features and advanced planning. Our practices must continue to change, and we commit ourselves to the creation of new practices in order to break the cycle of destruction and rebuilding. Together, our organizations are committed to build a more resilient future.