# 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

<table>
<thead>
<tr>
<th>MEMBERS PRESENT</th>
<th>TERM END</th>
<th>MEMBERS ABSENT</th>
<th>TERM END</th>
<th>ADDITIONAL ATTENDANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthony York, Chair</td>
<td>6/30/15</td>
<td>David Bloom</td>
<td>6/30/17</td>
<td><strong>Corresponding Members:</strong> None</td>
</tr>
</tbody>
</table>
| Jason DeGraw, Vice Chair   | 6/30/17  | Brian Monk        | 6/30/17  | **Liaisons / Staff / Ex-Officio Members:**  
| Howie McKew, Secretary     | 6/30/17  |                   |          | Cyrus Nasser, Standards Liaison |
| Jason DeGraw, Standards    | 6/30/17  |                   |          |                       |
| Subcommittee Chair         | 6/30/14  |                   |          |                       |
| Richard Sherren, Member    | 6/30/17  |                   |          |                       |
| Scott Campbell, Member     | 6/30/17  |                   |          |                       |
| Bose Thomas                | 6/30/17  |                   |          |                       |
| Karl Peterman              | 6/30/17  |                   |          |                       |

**DISTRIBUTION**

- **ALL MEMBERS OF TG TAC COMMITTEE CHAIR:**  
- **TAC SECTION HEAD:**  

**LIAISONS:**  
- CEC Liaison: ______ (NP)  
- Publications Liaison: ______ (NP)  
- Handbook (Section 2 Head): ______ (NP)  
- Professional Development Liaison: ______ (NP)  
- Staff Liaison/Research/Technical Services: _________ (NP)  
- Standards Liaison: Cyrus Nasser  

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January 2015

**CORRESPONDING MEMBERS:** None  
**LIAISONS / STAFF / EX-OFFICIO MEMBERS:**  
- Cyrus Nasser, Standards Liaison  

**GUESTS:**  
- Ron Cosby  
- Barney Burroughs  
- Carol Lomonaco  
- Stephen Martin  
- Larry Spielvogel  

**NOTE:** NP Not Present
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

<table>
<thead>
<tr>
<th>Location - Past 48 Months</th>
<th>Date</th>
<th>Location - Planned Next 36 Months</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Las Vegas, NV</td>
<td>2.01.2011</td>
<td>Chicago, IL</td>
<td>1.24.2015</td>
</tr>
<tr>
<td>Montreal, PQ (Canada)</td>
<td>6.28.2011</td>
<td>Atlanta, GA</td>
<td>6.27.2015</td>
</tr>
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<td>Dallas, TX</td>
<td>1.26.2013</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Denver, CO</td>
<td>6.22.2013</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New York, New York</td>
<td>1.18.2014</td>
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TC/TG/TRG SUBCOMMITTEES

<table>
<thead>
<tr>
<th>Function</th>
<th>Subcommittee Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALI/PDC Coordinator</td>
<td>---</td>
</tr>
<tr>
<td>Handbook</td>
<td>Howard McKew</td>
</tr>
<tr>
<td>Honors and Awards</td>
<td>---</td>
</tr>
<tr>
<td>Membership</td>
<td>---</td>
</tr>
<tr>
<td>Programs</td>
<td>Bose Thomas</td>
</tr>
<tr>
<td>Publications</td>
<td>---</td>
</tr>
<tr>
<td>Standards</td>
<td>Jason DeGraw</td>
</tr>
<tr>
<td>Research</td>
<td>---</td>
</tr>
<tr>
<td>Webmaster</td>
<td>Scott Campbell</td>
</tr>
</tbody>
</table>

RESEARCH PROJECTS – CURRENT

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Contractor</th>
<th>Monitoring Comm. Chairperson</th>
<th>Report Made At Mtg.</th>
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</thead>
<tbody>
<tr>
<td>NONE</td>
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</table>

LONG RANGE RESEARCH PLAN

<table>
<thead>
<tr>
<th>Rank</th>
<th>Title</th>
<th>W/S Written</th>
<th>Approved</th>
<th>To RAC</th>
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</thead>
<tbody>
<tr>
<td>NONE</td>
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</table>

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January 2015
### HANDBOOK RESPONSIBILITIES

<table>
<thead>
<tr>
<th>Year &amp; Volume</th>
<th>Chapter Title</th>
<th>Chapter No</th>
<th>Reviser</th>
<th>Reviewer</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015 Applications</td>
<td>HVAC Security</td>
<td>59</td>
<td>Howard McKew</td>
<td>TGR-2 Members</td>
</tr>
</tbody>
</table>

**STANDARDS ACTIVITIES** - 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

**TECHNICAL PAPERS** from Sponsored Research – Title, when presented (past 3 yrs. present & planned)

1. None

**TC/TG SPONSORED TRANSACTION SESSIONS** – Title, when presented (past 3 yrs. present & planned) & Chair

1. None

**TC SPONSORED SEMINARS** – Title, when presented (past 3 years, present, & planned) & Chair; Speaker, Speaker, Speaker

1. **HVAC Security – Less We Forget”** (2011 Winter-Las Vegas) McKew; Cogley, Dobbs, & Campbell

**TC/TG SPONSORED FORUMS**

1. None

**JOURNAL PUBLICATIONS**

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

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January 2015
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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January 2015
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
Organizations Announce Commitment To Promote Resilient Buildings

May 13, 2014
Contact: Jodi Scott  Public Relations  678-539-1140  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.


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“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:


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January 2015
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.