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DRAFT

TC/TG/MTG/TRG MINUTES COVER SHEET

(Minutes of all Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

TC/TG/MTG/TRG No. TC 2.10 DATE 06/18/2021

TC/TG/MTG/TRG TITLE Resilience and Security

DATE OF MEETING 6/18/2021 LOCATION Virtual

Members Present	Appt	Ex-Officio Members and Additional Attendance
Carol Lomonaco, Chair (V)	June 30, 2022	
Steven Sill, Secretary (NMV)		
Anthony York, Research (V)	June 30, 2022	
Jason DeGraw Program (NMV)		
David Evers, Handbook (NMV)		
Scott Campbell Resilience (V)	June 30, 2022	
Gerald Kettler (NMV)		
Costas Balaras (NMV)		
Dimitry Kogan (NMV)		
Douglass Abramson (V)	June 30, 2022	
Haven Cassidy (NVM)		
Howard McKew (NVM)		
Jared Langevin (V)	June 30, 2022	
Mark Adams (NVM)		
Prateek Shrestha		
Katherin Hammack		
Ponkamon Aumpansub (aka Panda)		

(V) = voting member

(NVM) = Non-Voting member

Note: The complete attendance list from TC 2.10 is available from the TC 2.10 chair upon request via email to Carol.Lomonaco@jci.com .

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DISTRIBUTION: All Members of TC/TG/MTG/TRG plus the following:	
Jon Cohen	SH2@ashrae.net
Theresa Weston (Standard Liaison)	holtweston88@gmail.com
Willian Hutzel (Research Liaison)	hutzelw@purdue.edu
Bryan Becker (Handbook Liaison)	beckerb@umkc.edu
Mike Vaughn, Manager Of Research & Technical Services	MORTS@ashrae.net

Note: These draft minutes have not been approved and not the official, approved record until approved by the TC.

ASHRAE TC 2.10, Resilience and Security
2021 Virtual Annual Phoenix, AZ Meeting

Minutes

Location: Virtual Date: Friday June 18th, Time:
4:00 - 6:00 p.m.

1. Welcome

At 4:00pm TC 2.10 Chair Carol Lomonaco called for meeting to start.

2. Roll Call and Introductions were done.

Roll call: 5 voting members: Carol Lomonaco, Anthony York, Douglass Abramson, Jared Langevin, Scott Campbell

3. Scope

TC 2.10 Resilience and Security is concerned with fundamental scientific and engineering design principles for resilience of the built environments subjected to extraordinary events including mitigating consequential damages, remediation, and recovery.

ASHRAE Code of Ethics Commitment – Chair

In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (See full Code of Ethics: <https://www.ashrae.org/aboutashrae/ashrae-code-of-ethics>.)

4. Discussion/Approval of Austin Minutes

Scott Campbell motioned to move the approval; Preteek Shrestha seconded 5-0-0 Chair Voting (CV)

5. Announcements

- a) ASHRAE will be updating the roster sheet and will need volunteers to become voting members of the TC as to some will be rolling off this year.
- b) CEC is looking for suggestions or ideas for future tracks at conferences.
- c) Society is looking to merge TC's together that share the same common goal.

6. Liaison Reports: TC 9.1, TC 9.2, TC 9.8, MTG OBB, SSPC 300

- TC 9.1 Howard McKew: TC 9.1 has 5 chapters in the 2020 Handbook that were recently completed and that they reference security design.
- TC 9.2 Douglass Abramson: Was liaison to TC 9.2 and willing to assume the role again.
- TC 9.8 Anthony York: TC 9.8 is responsible for seven (7) ASHRAE handbook chapters and is willing to help find synergy between TC 9.8 and TC 2.10.
- Multidisciplinary Task Groups (MTG) Occupant Behavior in Buildings (MTG.OOB) Jared Langevin: Would like to assist with this progress.
- SSPC 300 Smoke Control Systems Commissioning Gerald Kettler:

- a) Gerald is a member of Standing Standard Project Committee (SSPC) 300 Commissioning. SSPC 300 committee works on commissioning and they are willing to assist TC 2.10.

7. Standards (Carol Lomonaco is performing the TC 2.10 Standards Subcommittee Chair duties)

TC 2.10 is responsible for ASHRAE Guideline 29-2017 Risk Management Guideline. It was discussed that this guideline was updated in 2017 but the updates were limited to the links and references. In Guideline 29-2017. Note: the guideline is still for sale in the ASHRAE Online Bookstore.

It was discussed that this TC may have additional new standards, guides and guidelines because of the work that will be done on the subject of Resilience.

It was mentioned during the beginning of the meeting that TC 2.10 needs new ideas concerning new standards, guides, and guidelines but no one offered any new ideas or proposals.

8. Research (Anthony York TC 2.10 Subcommittee Chair)

The subcommittee meeting attendees were asked if there were any new ideas RTARs and WSs.

Steve Sill mentioned that he would take an action item to get a couple of RTARs for TC 2.10 started.

Carol Lomonaco offered to get a volunteer and to ask RAC for some tips and tricks for getting a RTAR written, reviewed, submitted and accepted by RAC

There was some discussion led by Beth Tomlinson about risk assessments and Resilience. Is TC 2.10 the right TC for risk assessments? We discussed that in the past TC 2.10 worked on ASHRAE Guideline 29-2017. She also mentioned TC 2.5 and TC 4.2, and Carol replied that we should discuss in more detail how TC 2.10 can meet with TC 2.5 and TC 4.2 to help each other and to determine who needs to take lead and then how the other TCs can contribute.

The final item discussed was that later today (June 18, 2021) in our TC 2.10 Resilience subcommittee (chaired by Scott Campbell) meeting that we should discuss RTARs and WSs that are related to Resilience.

9. Handbook (David Evers, subcommittee chair)

- Revising and reviewing current chapter as it is narrow focused.
- March 29,2022 is the deadline for Chapter revisions.
- Have enough reviewers for all ASHRAE Handbook chapters, possibly changing name of chapters to reflect the TC.
- Jason DeGraw is authoring a new ASHRAE Handbook Chapter on resiliency, has an outline done looking for volunteers to assist.

10. Programs (Jason DeGraw, subcommittee chair)

- Sent Google form to TC Membership for program idea's, have been successful with this method.
- Deadline for program submissions for the ASHRAE Las Vegas Winter Meeting is August 2021.

11. Web Page (Carol Lomonaco, web page person)

- TC2.10 has a Basecamp set up for it. All members of TC 2.10 may start using Basecamp now for TC 2.10 related activities.
- The webpage for TC 2.10 is current.

12. Resiliency (Scott Campbell subcommittee chair)

This subcommittee was created to take the lead to provide a road map of ideas in developing Standards, Guidelines and working with other associations in concurrence with the ASHRAE Strategic Plan.

Looking for members of the TC with immense vision to provide education, the advancement of standards about this subject.

- 189.1 Resilience Task Group
- ASHRAE Resilience Roadmap

13. Old Business: None

14. New Business

- TC 2.10 Honors and Awards subcommittee Haven Cassidy will serve as chair.
- TC 2.10 has a Basecamp site and will start using it to post material for the membership.
- Looking for volunteers to become voting members of TC 2.10 due to many voting members will be done next year.

15. Adjournment

Anthony York made a motion to end the meeting at 6:03 pm and Jason DeGraw seconded.