

Meeting Minutes
ASHRAE 2019 Summer Meeting – Kansas City, MO



TC 7.1 Integrated Building Design

Scope:

TC 7.1 is concerned with facilitating interaction among all building disciplines, from earliest concept development throughout the building life cycle, in order to achieve integration of design efforts and operation of the total building.

Subcommittee Meetings:

Research –Program-Handbook WEB meetings prior to Kansas City Conference

Atlanta programs

TC 7.1 is sponsoring **Panel 3** BIM Blast: Breaking the Curve on Wednesday - January 16, 09:45 - 10:45, Room 2102B

Main Committee Meeting: Monday, June 24, KCCC, Room 2201, 08:15-10:30

Attendees:

| Name | Affiliation | TC Membership |
|------------------------|----------------------------------|--|
| Elyse Malherek | TWG | Chair/Webmaster (Present) |
| Russell Taylor | United Technologies | Vice Chair/Research (Present) |
| Joe Furman | Automated Logic | Secretary (non-voting) Present |
| Kevin L Amende | Montana State University | Voting Member (Present) |
| Jason Atkisson | Affiliated Engineers | Voting Member (Present) |
| Lianne Cockerton | Martin Roy et Associés (MRA) | Voting Member/Handbook (Absent) |
| Suzanne LeViseur | Haddad Engineering | Voting Member (Present) |
| Rachel L. Romero | NREL | Voting Member/Programs (Present) |
| David Allen | Allen Consulting | TC 7.1 Integration Facilitator/Trainer |
| Dennis Knight | Whole Building Systems (WBS) | Society VP ExCom (Present) |
| William Murphy | University of Kentucky | RAC Liaison (Present) |
| | | |
| Joe Chin | Western Allied Mechanical | Corresponding Member (Present) |
| Mitchell Swann | MDC Systems | Corresponding Member (Present) |
| Marianna Vallejo | Jacobs | Corresponding Member (Present) |
| Juliana Trigo | Studio Symbios | Prov. Corresponding Member (Online) |
| | | |
| Heather Schopplein | UMEC | Guest in Attendance |
| Yoon Ko | National Research Council Canada | Guest in Attendance |
| Emilia Targonska | Foster + Partners | Guest in Attendance |
| Branislav Cvijetinovic | SNC Lavalin | Guest in Attendance |
| Amir Nezamdoost | Univ. of Oregon | Guest in Attendance |
| Craig Messmer | Unico | Guest in Attendance |
| Kirsten Burk | DLR Group | Guest in Attendance |



A. Call to Order – Malherek –8:26AM

B. Roll Call - Malherek

C. Introductions- Malherek

D. Review of Agenda - Malherek

E. Approval of Minutes from Annual Meeting 2019 Atlanta, GA – Malherek

- Vote to approve minutes: Jason Atkinson moved, Suzanne Leviser seconded. Approved

F. Roster Review- Elyse:

- TC Breakfast Updates: Elyse

G. Subcommittee Reports

1. Handbook – David Allen / Lianne Cockerton –

- Applications Handbook is out - 20% Larger
 - Handbook is online with interactive tools

2. Research – Russell Taylor:

- Looking for projects to Review/Initiate
- Plans on Two Web Meetings within the next month or two

3. Programs – Rachel Romero:

- Rachel asked for volunteers for a BIM seminar
 - Mitchell took action item for BIM/IPD
- Austin Targets:
 - Handbook Program on new TC7.1 Handbook
 - Will resubmit Wednesday (26Jun2019) for Orlando Meeting
- Austin (summer 2020)
 - Plan for Jan2020 Web Meeting to review
 - Joe Chin/Mitchell Swann Program: Professional Development, PLI Insurance, Bonding
 - Joint effort with TC 9.9 – Coordinate with Marianna Vallejo

4. Special Publications – Rosenow (Absent)

- Reference from Winter Meeting Jan2019 (Reviewed content, Action item below in bold)
 - ALI Course – Integrated Building Design IPD
 - Needs to be revised to align with new TC7.1 Handbook Revisions
 - 6 hour course 300+slides. You can change up to 20% without approval.
 - Slides are 8 years old
 - Action Item: Dennis/Mitchell/Chuck to review and update content.
- **New Action Item: Elyse to contact ALI for process**
 - **Mitchell modified 2018 – Form a committee and suggest revisions**
 - **Adhoc – Mitchell Swann Chair, Russell Taylor & David Allen**



5. Webmaster – Elyse

- Minutes/Agenda Updated

H. Old Business

- Craig Messmer – Section Head
 - Reviewed Comments from Reorganization – Received lots of response
 - Section Heads to review efficiencies amongst their groups
 - Reorganization committee will regroup in about a month to review
 - Brief Summations:
 - Programs in the morning
 - Technical in the afternoon
 - Block Schedule
 - No timeline established
 - Elyse to send out reorganization committee report

- TC 7.1 Liaisons to Other Committees:
 - Group - This TC should build more synergy with TC7.2, e.g. program development
 - BIM MTG – Elyse
 - Working on Standard 224

- Section 9: TC7.1 liaisons to the indicated TC of Section 9:
 - TC9.1 – Large Building Air-Conditioning Building - Romero – Nothing to Report
 - TC9.4 –Justice Facilities - LeViseur – Nothing to Report
 - TC9.6 – Healthcare Facilities : Austin – Nothing to Report
 - TC9.7 – Educational Facilities Atkinson, Working on ATAR for BEQ Seminar
 - TC9.8 – Large building Air-Conditioning Applications: Austin – Nothing to Report
 - TC9.10 – Laboratory Systems: Atkinson – Working with TC9.6 on Air Exchange Rates
 - Lab Design Guide – Research on Trace Gases
 - TC9.11 – Clean Spaces: Mitchell. Energy Initiatives Reviewed

- TC1.7 - Business Management & General Legal Education – Mitchell
 - Integrated Project Design & Development, Design Build Assist

- TC7.2 – HVAC&R Construction & Design Build Technologies – Update Elyse
 - Seminar – Delivery & Delegated Design
 - ATAR – Piping & Connections Methods

- TC2.5 – Global Climate Change – Update Elyse
 - Writing a Fundamentals Handbook Chapter on Climate Change
 - Meeting at 4pm Today

Reference: RP 1801 – BIM Is to develop examples in neutral model format. (Based on 1609 similar to CIBSE data templates. 1609 Builds frameworks to do that). 1801 provides data.ASHRAE.org build example. Standardizing and Utilizing ASHRAE Online BIM Data Exchange Protocols.

I. New Business

- Add to Base Camp: Yoon Ko, Joe Chin & Marianna Vallejo
- Heather Schopplein – Guest – Handbook Chapters looking for volunteers
- Special Publications To Be Revised:
 - HVAC Simplified, Published 2006, TC07.01 Committee
 - HVAC Simplified Solutions Manual, Published 2007, TC07.01 Committee

- These publications are more than 11 years old, and ASHRAE must rely on the expertise of your committee to inform decisions about whether these publications contain up-to-date information in their current state, need to be revised for publication or a subsequent edition, or need to be withdrawn from bookstore sales. We are told this is a consistently popular book but that some of the examples are dated. Please consider revisions or updates to these publications.
- Integrated Building Design Applications Manual
 - Originally we were supposed to publish it in January 2008 (so maybe it was worked on in 2007?), then we were told we wouldn't even get the files until January 2009, and then it was delayed again until January 2010, and the last date that was recorder says we were supposed to publish in January 2015.
- Open discussion on Industry or Experience for IBD or IPD
- Resource Repository

J. Next Conference Meeting: Monday, February 03, 2020, Orlando, FL

Meeting adjourned 10:35am