

Agenda
ASHRAE 2020 Annual Meeting – Orlando, FL
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

Orlando programs

TC 7.1 is sponsoring “The Magical Powers of Integration: An Introduction to the New and Improved Handbook Chapter on Integrated Project Delivery” Tuesday, February 4 – 11:00-12:30

Main Committee Meeting: Monday, February 3, 2020 8:15-10:00 Hilton Orlando, L, Lake George B

Voting members

Name	Company	Membership	Voting
Elyse M Malherek	Willdan	Chair / Webmaster	Y
Russell D Taylor	United Technologies Research Center	Vice Chair / Research	Y
Joseph L Furman*	Automated Logic	Secretary	N
Lianne Cockerton	Martin Roy et Associés	Handbook Sub Chair	Y
Rachel L Romero	NREL	Program Sub Chair	Y
Suzanne LeViseur	Haddad Engineering, Inc.	Standards Sub Chair	Y
Lisa L Rosenow*	Northwest Energy Efficiency	ALI Coordinator	N
Kevin L Amende	Montana State University	Member	Y
Jason A Atkisson	Affiliated Engineers	Member	Y

1. Call to Order
2. Roll Call
3. Introductions
4. Review of Agenda
5. Approval of Minutes from Summer Meeting – Kansas City
6. Roster Review
 - a. Chair for 2021 year (gap between Elyse and Russell)
 - b. Emergency roster update for new voting member and program chair
 - c. Special publications
7. Subcommittee reports
 - a. Handbook – David Allen / Lianne Cokerton
 - b. Research – Russell Taylor
 - c. Programs – Rachel Romero
 - d. Special Publications – Rosenow
 - Activate subcommittee to review and modify ALI IBD course to align with handbook and other general updates
 -

ASHRAE Special Publication	Year Publ.	Committee or Project
HVAC Simplified	2006	TC 07.01
HVAC Simplified Solutions Manual	2007	TC 07.01

- Suggested a shift of cognizant committee to 9.1 (large building HVAC)
- Integrated Building Design Applications Manual
 1. Any interest in creation?
 2. 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 files until January 2009, and then it was delayed again until January 2010, and then the last date that was recorded says we were supposed to publish it in January 2015.
- e. Webmaster – Malherek

Old Business

8. TC 7.1 Liaisons to Other Committees:
 - a. BIM MTG – Malherek
 - b. 209 –
 - c. 205 – (Standard Representation of Performance Simulation Data for HVACR and Other Facility Equipment)
 - d. Section 9: TC7.1 liaisons to the indicated TC of Section 9:
 - TC9.1 (Large Building Air-Conditioning Building): Romero
 - TC9.4 (Justice Facilities): LeViseur
 - TC9.6 (Healthcare Facilities): Austin
 - TC9.7 (Educational Facilities): Atkinson
 - TC9.8 (Large building Air-Conditioning Applications): Austin
 - TC9.10 (Laboratory Systems): Atkinson
 - TC9.11 (Clean Spaces): Mitchell
 - e. 1.7 (General Legal Education): Mitchell
 - f. 7.2 (Design-Build Lean):
 - g. 2.5 – Global Climate Change
 - h. 2.8 (Building Environmental Impacts and Sustainability): Julianna Pellegrini
9. ASHRAE reorganization update

New Business

10. Special Publications
 - a. Proposal of new publication (see end of agenda)
11. ASHRAE Certification (proposals for new ideas)
12. Open discussion on industry and experience for IBD or IPD
13. Resource repository
14. Other
15. **Next Meeting:** Monday, June 29th in Austin, Texas

It has been a pet peeve of mine that engineers allow architects to lead so many projects and that engineers or HVAC contractors interested in design-build, which I consider these days to be Integrated Project Delivery based on my years of this type of experience focused on HVAC infrastructure.

I believe this should be a huge business market out there for HVAC engineers, HVAC contractors, and HVAC Service Contractors.

Based on my experience I'd like to see these 3-groups have an ASHRAE book available to them to encourage and guide them to pursue the following:

- HVAC infrastructure Projects, Engineer-Led IPD working with HVAC contractor partner:
 - Master Plan HVAC expansion (chiller plants and boiler plants) for colleges, universities, healthcare, industrial, and commercial applications
 - Replacement of HVAC equipment that has reached the end of its useful service life
 - Energy rebate and Zero Energy Retrofit opportunities
- HVAC Service Response, HVAC Contractor-Led working with an HVAC equipment manufacturer representative:
 - Replace a failed piece of HVAC equipment e.g., offer a value-added alternative to existing replacement conditions

In regards to the HVAC Service Response I am currently creating a business plan for a WBE manufacturer representative who wants to create opportunities in partnership with pre-selected HVAC Service Contractors (one contractor per assigned area of Massachusetts, Maine, Rhode Island, and New Hampshire). We will be rolling this out mid-August interviewing HVAC Service Contractors as we interview each firm to determine if there is an "iPD" fit for both our company and the service company.