

Minutes

TC 9.12 TALL BUILDINGS

Location: Chicago Hybrid Meeting (Physiology Conference Room, Marriott Marquis)
Sunday, January 21, 2024, 12:00 to 1:30 PM CDT

1. CALL TO ORDER AND TC 9.12 SCOPE (David Norris in the absence of the chair, Duncan Phillips)
2. ASHRAE CODE OF ETHICS COMMITMENT (Norris)
 - a. “Commitment to the ASHRAE Code of Ethics – 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/about-ashrae/ashrae-code-of-ethics>)
3. INTRODUCTIONS (Norris)
 - a. David Norris asked attendees for introductions. Over the course of the meeting, there were 30 attendees in person and 2 attendees online. Quorum was established with 5 of 9 voting members present. This meeting was conducted in a hybrid fashion with all voting members participating in person.
4. APPROVAL OF LAST MEETING MINUTES
 - a. Motion by Mark Fly and seconded by Dennis Wessel to approve the Minutes from the Tampa meeting minutes by a vote of (5-0-0).
5. TITLE, PURPOSE AND SCOPE – TC-9.12 TALL BUILDINGS
 - a. TC 9.12 is concerned with the function, operation, energy and human safety for buildings in excess of 300 feet in height. Also included is the determination of requirements related to hydraulics, airflow, infiltration, thermal insulation, water vapor retarders, environmental control, fire and smoke control and maintenance
 - i. Previous discussion suggested revising the scope and mission statement of TC 9.12 to more closely align with that of the Council on Tall Buildings in the Urban Habitat (CTBUH).
 - ii. The primary reason for consideration was the height of 300 feet included in our TPS.
 - iii. It was the consensus that the current TPS is acceptable as it currently exists.
6. RESEARCH – Scot Peach
 - a. RAC has requested more RTARs be submitted.
 - b. We have submitted the same RTAR twice in the past on ambient Climate at upper levels of tall buildings.

- c. Additional topics may be developed after our Panel discussion of tomorrow.
 - d. A virtual meeting should be scheduled soon to discuss possible research topics
7. PROGRAM – Frank Kohout
- a. We have 5 programs at this meeting in the Tall Building mini track. Many of these are being live streamed.
 - b. The submitted plumbing program was not approved, likely because there was only one speaker. Mehdi said he could provide a second program so this program can be resubmitted.
 - c. We will not consider programs for Indianapolis because of the number of programs we have here in Chicago.
 - d. TC-9.1 is proposing a seminar for Orlando on Rightsizing systems and is discussing co-sponsorship with District Energy. The program will address diversity of large systems and this topic could apply to high rise buildings as well.
 - e. The proposed virtual meeting should also include discussions of program ideas.
8. HANDBOOK – Mehdi Jalayerian
- a. The handbook was submitted and published on time.
 - b. The four cycle now starts again.
 - c. Mehdi volunteered to head up Handbook again. Reviewers - Jeremy Smith, Dennis Wessel, Suzan Sun Yuang
9. MEMBERSHIP – Norris
- a. Three voting members will roll off in June: Duncan Phillips, Mark Fly, John Carter
 - b. Scott Peach will take over as Chair and David Norris will be Vice Chair after the ASHRAE annual summer conference meeting.
 - c. To roll on: Jeremy Smith as Secretary after the ASHRAE annual summer conference meeting. We will need at least three more to roll on from corresponding member.
10. SECTION HEAD REPORT – Brad Cochran
- a. The activity form must be completed and submitted end of Tuesday/
 - b. Roster update is due the end of February using the new roster tool.
 - c. How many here participate in chapter meetings – Those members should promote TC participation. TC members can participate in Hybrid meetings.
 - d. TAC approved a new MPG.GenAI to help support adoption of AI.
 - e. TG9 Space was formed a few years ago and has now been approved as TC-9.13 Space addressing Space Force like topics.
 - f. Fellow nominations should be considered out of the TCs. Members who have attained distinctions as seen by their peers and have had a positive impact on HVAC&R
 - i. Possible candidates are Mehdi and John Carter.

11. NEW BUSINESS

- a. The question was asked if an AEDG on tall buildings has been considered. Dennis Wessel will research this.
 - i. AEDG committee has been disbanded as of the Tampa meeting.
 - ii. Dennis is researching the cost of production of the current AEDGs to determine if we might want to consider a research project to develop one for Tall Buildings.
 - b. A fall conference is planned in NY on Decarbonization for high rise buildings in October 2024. Electrification is not the only solution to Decarbonization. NY now requires the use of district energy which is produced by primarily heat recovery.
12. The meeting was adjourned at 1:45 PM. The next meeting will be on June 23 in Indianapolis.

MEETING ATTENDANCE (Roster as of 12/27/23 with guests)

Full Name	Position	Email	Present	Online	Voting	YEA	INT'L
Mr Duncan A Phillips	Chair	duncan.a.phillips@gmail.com			x		
Mr Scott B Peach, PE	Vice Chair	sp@sp.engineering	X				
Mr David Norris	Secretary	dwn2103@gmail.com	X				
Mr Francis J Kohout	Program Subcom Chair	frank.kohout@outlook.com	X		x		
Dr Lisa Chen Ng	Webmaster	lisa.ng@nist.gov			x		
Mr John J Carter	Member	jcarter@cppwind.com	X		x		
Mr Mark W Fly, PE	Member	markwfly@gmail.com	X		x		
Mr Luke C H Leung, PE	Member	luke.leung@som.com			x		
Mrs Suzan Sun-Yuan, PE	Member	ssunyuan@esdglobal.com	X		x		
Mr William A Webb, PE	Member	webbfpc@gmail.com			x		
Mr Dennis J Wessel, PE	Member	dwessel49@gmail.com	X		x		
Mr Isagani G Brugada	Pro CM	gani.brugada@gmail.com					x
Mr Gregory Marcus Gross	Pro CM	gmgross@gmail.com	X				
Paul Idzik	Pro CM	idzik.paul.t@gmail.com					
Mr Dakshitha Karunaratne	Pro CM	dakshithakarunaratne@gmail.com					x
Mustafa Morsy	Pro CM	morsymhh@gmail.com					
Mohamed Mahmoud Nasr	Pro CM	mohmnasr@gmail.com				x	x
Mr NIKOLAOS N NIKOLOPOULOS	Pro CM	nikolas@centralife.gr				x	x
Miss Udaa S Perera, Eng	Pro CM	uddaperera@yahoo.co.uk					x
Prof Dahai Qi, Sr	Pro CM	darren.dahaiqi@gmail.com					
Ms Audrey Quay, AScT	Pro CM	aquay@shaw.ca		X			
Mr PANKAJ ARUN RAMUGADE	Pro CM	pankaj.ramugade@gmail.com					
Mr Vincent Tang	Pro CM	vincent.tang@rwdi.com	X				
Mr Devin A Abellon, PE	Corresponding Member	devin.abellon@yahoo.com					
Prof William P Bahnfleth, PE	Corresponding Member	wbahnfleth@psu.edu					
Mr Oliver Baumann	Corresponding Member	o.baumann@baumann-us.com					
Mr Jeffrey P Blaevoet	Corresponding Member	jblaevoet@gb-eng.com					

Full Name	Position	Email	Present	Online	Voting	YEA	INT'L
Mr Erik Andre Chisholm	Corresponding Member	erik.chisholm@protonmail.com					
Mr Kim Clawson	Corresponding Member	mr.kim.clawson@gmail.com	X				
Mr Matthew Davy, PE	Corresponding Member	matt.davy@arup.com					
Mr Pankaj R Dharkar	Corresponding Member	dharkarpda@gmail.com					
Mr Peter G Ellis	Corresponding Member	peter.ellis@bigladdersoftware.com					
Mr Ronald George	Corresponding Member	Ron@Plumb-TechLLC.com	X				
Mr Kenneth E Gill, PE	Corresponding Member	ken.gill@jacobs.com					
Mr Anuj Gupta	Corresponding Member	anuj@design2occupancy.com				x	x
Mr Rick M Heiden	Corresponding Member	rheiden@trane.com		X			
Mr Robert Alexander Henderson	Corresponding Member	robahenderson33@gmail.com					
Mr Jose V Herrera	Corresponding Member	jherrera@syska.com					
Mr Mehdi K Jalayerian	Corresponding Member	mjalayerian@esdglobal.com	X				
Mr Tyler Jensen	Corresponding Member	tjensen@esdglobal.com					
Ms Lindsey King	Corresponding Member	lindsey.claire.89@gmail.com				x	
Dr John H Klote, PhD	Corresponding Member	johnhklote@gmail.com					
Ms Yoon J. Ko, PhD	Corresponding Member	Yoon.Ko@nrc-cnrc.gc.ca					
Christopher Kriepps	Corresponding Member	chriskriepps@gmail.com				x	
Mr Rodney H Lewis	Corresponding Member	rhla@sbcglobal.net					
Mr Nemat Lotfi	Corresponding Member	service@pennhvac.com					

Full Name	Position	Email	Present	Online	Voting	YEA	INT'L
Mr Michael J McDermott	Corresponding Member	mmcdermott@grummanbutkus.com					
Dr Atila Novoselac	Corresponding Member	atila@mail.utexas.edu					
Mr Paul E Petrilli, PE	Corresponding Member	ppetrilli@hflenz.com					
Mr Travis Potter	Corresponding Member	travis.s.potter@gmail.com				x	
Mr John W Pulley, LEED AP BD+C, PE	Corresponding Member	jwpulley@outlook.com					
Mr Eddy Santosa	Corresponding Member	mceddysantosa@gmail.com					
Mr Peter Simmonds	Corresponding Member	peter@petersimmonds.com					x
Mr Jeremy T Smith, LEED AP, PE	Corresponding Member	jeremysmith@eeace.com	X				
Mr Yuri A Tabunschikov	Corresponding Member	tab@abok.ru					x
Mr Cedric S Trueman, P.Eng	Corresponding Member	ctrueman@telus.net					
Mr Jeffrey S Tubbs, PE	Corresponding Member	jeff.tubbs@arup.com					
Mr Lynn F Werman, PE	Corresponding Member	lynnwerman@yahoo.com					
James S Bennett	TAC Chairman	jbennett@cdc.gov					
Mr Brad C Cochran	TAC Section Head	bcochran@cppwind.com	X				
Mr Roland Charneux	Research Liaison	rcharneux@pageaumorel.com	X				
Ms Julie Majurin	Standard Liaison	juliemajurin@gmail.com					
Mr Steven J Hammerling	Staff Liaison	shammerling@ashrae.org					
Guests							
Mr Hirotaka Kubo	Guest	kubo.hirotaka@nikken.jp	X				X
Mr Ken Kaneko	Guest	kaneko.ken@takenako.co.jp	X				X
Mr Thomas Yeh	Guest	thomas.yeh@nyserda.ny.gov	X				
Mr Mike Gallagher	former M/CM	mgallagher@wasocal.com	X				
Mr Gregory Avina	Guest	gavina@cmta.com	X				

Full Name	Position	Email	Present	Online	Voting	YEA	INT'L
Mr Lucas Roy	Guest	Lroy@kccmfq.com	X				
Mr David Sinclair	Guest	david.sinclair@hidi.com	X				
Ms Tina Abbasi	Guest	tina.abbasi@zapascon.com	X				
Mr Radek Sikorski	Guest	r.sikorski@smay.eu	X				X
Mr Andreas Antzoulatos	Guest	antzoulatos.a@outlook.com	X				X
Mr George Orfanos	Guest	george.orfanos@outlook.com	X				
Mr Andrew Lehrer	Guest	alehrer@cannondesign.com	X				
Ms Iliana Georgia	Guest	ilianageorgia@gmail.com	X				X
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