



1791 Tullie Circle, N.E./Atlanta, GA 30329

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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. 1.9 DATE 1-27-18

TC/TG/MTG/TRG TITLE Electrical Systems

DATE OF MEETING January 23, 2018 LOCATION Palmer House Hilton Chicago, Illinois

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Michael Todd		John Nix		
Chuck Foster				
Arman Hauer				
Steven Faulkner				
Steve Rosenstock				
Larry Markel				
Randall Higa				
Frank Pucciano				

DISTRIBUTION: All Members of TC/TG/MTG/TRG plus the following:

TAC Section Head:	SHx@ashrae.net Where x is the section number
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALI, etc.)	See ASHRAE email alias list for needed addresses.
Mike Vaughn, Manager Of Research & Technical Services	MORTS@ashrae.net

1. CALL TO ORDER

Introduction of Members and Guests

Technical Committee 1.9 was called to order at 3:35 pm. Technical Committee Member introductions were made. Absent Members are identified on the cover sheet.

Michael Todd, Chair, reviewed the membership list and determined that a quorum was present.

Motion and second to approve agenda (Faulkner/Pucciano)

2. APPROVAL OF MINUTES AND REVIEW OF ACTION ITEMS

Motion: Faulkner/Pucciano 4-0-0 Steven Faulkner made a motion to approve the June 2017 Long Beach minutes with a second from Frank Pucciano. There was no additional discussion and the motion passed unanimously.

Report Action Items:

None.

3. TC MEMBERSHIP AND COMMITTEE APPOINTMENTS

Mike Todd is the Chair. Steve Faulkner is the Vice Chair.
New roster / updates thru January 2019
4 voting members; Michael Todd, Steven Faulkner, Armin Hauer, Chuck Foster.
Randall Higa is a corresponding member.

4. CHAIR REPORTS: Michael Todd.

Michael reported as follows:

- a. He attended the TC and TAC Chair breakfasts.
- b. Highlights were:
 - i. Members were advised to use caution in using ASHRAE letterhead
 - ii. 2019 will be Ashrae's 125th anniversary.
 - iii. The deadline for submitting papers his December 20 for the Orlando and Austin meetings
 - iv. Thank-you letters are available to members from ASHRAE.

- v. Seminar ideas for the Atlanta meeting are due August 3.

Up and coming meetings: Houston, June 23-27, 2018.

5. SUBCOMMITTEE REPORTS

- a. **Standards: 189.3 214 PUBLISHED RECENTLY – 189.1 IN FALL – 90.1 LAST YEAR – 90.1 RENEWABLE ENERGY WORKING GROUP FOR 90.1 – AEDG FOR SCHOOLS K-12, (Steve Rosenstock updated)**
- b. **Research: Larry Markel – 1607 THERMAL STORAGE AND IMPACT ON RENEWABLE ENERGY – UNIV OF WISCONSIN FINISHED REPORT – LARRY ATTENDED RESEARCH BFAST**

Larry reported on his attendance to the Research Committee breakfast.

- c. **Program: John Nix (not present) – Interest by TC 7.5 to cosponsor FRANK AND LARRY TO WORK ON PROGRAM – SEE IF TC 4.7 MIGHT BE INTERESTED TOO (MODELING)**

John reported the deadline for submitting a proposal for a program in Chicago is July. Ideas for a paper include Grid of the Future and/or the Impact of Requiring Renewables in Buildings. He asked for ideas for programs – maybe reviewing the Handbook for ideas. (no update)

- d. **Handbook: Armin Hauer. ASHRAE handbooks are now available via web portal. They are updated on a three-year cycle. The next publication will be April 2019. The next handbook approval will be July 2021.**

- e. **Membership: Larry Markel. – NO UPDATE**

- f. **Professional Development Committee (PDC Coordinator): John Nix. Brian Haynes replied back to John – course has been sun-setted until updated. Frank thought program wasn't interesting enough in 2014 – not well attended. HOLD OFF UNTIL NEXT MTG TO UPDATE – USE SEMINAR TO BUILD INTEREST IN TOPIC** Next steps include revisiting the course outline (John, Steven, Larry and Frank). New course ideas include Understanding Rates and Utility Bills and How to Maximize Benefits from Utility Programs. (no update)

6. WEBSITE: Steven Faulkner. Website is up to date – Basecamp is up.

Steve Faulkner reported all websites are converted to new format.

7. LIASON REPORTS

Section Head: (?)

RAC: None.

TAC: may want to consider marriage with TC 1.11 that has a growing membership (electric motors/motor controls). May want to consider remote participation.

TC6.7 – Jim Lydel interested in PV design guide work scope creation + review (audience? Guide for mechanical engineer) – solar PV with solar thermal – co-sponsor – publication to benefit ASHRAE membership generally

8. OLD BUSINESS

None.

9. NEW BUSINESS

Ideas for 125 Anniversary of ASHRAE.

10. ANNOUNCEMENT OF NEXT MEETING

Chairman Michael Todd announced that the next meeting would be held in Houston, Texas in June 2018 at the same time on Tuesday.

Michael thanked everyone for attending the meeting.

11. ADJOURNMENT

Motion: Steve Rosenstock/Armin hauer at 5:19 pm. Motion carried unanimously.

Respectfully Submitted,

Chuck Foster

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