

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING
ENGINEERS, INC.**

**1791 Tullie Circle, N.E./Atlanta, GA 30329
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TC/TG/TRG MINUTES COVER SHEET

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

TC/TG/TRG NO TC 9.9 DATE 9/02/2010

TC/TG/TRG TITLE Mission Critical Facilities, Technology Spaces and Electronic Equipment

DATE OF MEETING 9/02/2010 LOCATION Phone Conference

Voting MEMBERS	YEAR APPTD	PRESENT ABSENT	Voting MEMBERS	YEAR APPTD	PRESENT ABSENT
Robin Steinbrecher	10	P	Ecton English	10	P
Terry Rodgers	09	P	Don Beaty	10	P
Richard Pavlak	08	P	Jack Glass	09	P
Roger Schmidt	09	P	John Bean	10	P
Mukesh Khattar	09	P	Joseph Gangemi	10	P
David Quirk	09	P	Mike Patterson	06	P
Doug McLellan	09	A	Rhonda Johnson	10	P
			Herb Villa	10	P
Corresponding Members		Not Recorded	Francis Mills	09	Int'l

DISTRIBUTION

<i>All Members of TC/TG/TRG plus the following:</i>	
TAC Section Head: Dr. Tom Lawrence	
TAC Chair: Charles Wilkin	
Manager Of Standards	Stephanie C Reiniche
Manager Of Research & Technical Services	Mike Vaughn

These draft minutes have not been approved and are not the official, approved record until approved by this committee.

Opening Remarks

The meeting was opened at 4:00 pm. Jack Glass introduced himself as the new Chair of TC 9.9. He also introduced David Quirk as Vice Chair and Jonathan Spreeman as Secretary.

It was noted that in addition to the Agenda in the email invitation, two additional items would be covered at the end of the meeting.

The dates of the Winter meeting in Las Vegas were noted and all members were encouraged to make their hotel reservation at the Las Vegas Hilton.

Agenda:

Programs Subcommittee - Vali Sorel, Chair

Jack Glass gave an update in Vali's absence.

- **Seminars** that have been submitted with no notice of acceptance at this time:
"Codes and Standards that Influence Mission Critical Facilities", Craig Crader – session chair

"Operations and Maintenance Best Practices for Critical Facilities", Herb Villa – session chair

- **Conference Paper Sessions** that have been submitted:

"Data Center Studies", Ecton English – session chair...Two papers are in review at this time

- **Forums:**

No Forum was submitted by the deadline. However, there is the possibility that a Forum session can be scheduled during the TC 9.9 meeting on Monday. This will be confirmed later.

- **2010 Montreal Deadlines**
June 21 — Track Announcement/Call for Papers
Sept. 17 — Technical Papers Due for Review
Sept. 17 — Conference Paper Abstracts Due
Sept. 17 — Conference Paper Session Request

Oct. 1 — Conference Paper Abstract Accept/Reject Notifications

Dec. 17 — Conference Papers Submitted for Review

- **2010 Las Vegas Deadlines**
- Sept. 3 — Conference Papers Accept/Reject Notifications
- Sept. 17 — Notifications of Seminar and Forum Accept/Reject Distributed
- Sept. 24 — Final Technical Papers Due
- Sept. 24 — Final Conference Papers Due
- Dec. 10 — Upload of PPTs Begin

Research Subcommittee - Robin Steinbrecher, Chair

- The RTAR for humidity research will go out for bid, funding is unsure at this time.
- The RTAR for contamination research was returned with comments. It was resubmitted by August 15, and is under review by ASHRAE.
- Contact is Carl Uber – RAC for Section 9. Work statement is due by Dec 15.

Handbook Subcommittee - Doug McLellan, Chair

- Doug was not able to make the call

Standards Subcommittee - 90.1- Rick Pavlak, Chair

- Addenda AQ and BU have cleared the standards committee and approved by the Board of Directors
- User manual is being drafted by outside contractor and will be provided to the 90.1 committee by mid September. Send Jack an email if you want to participate in a sub-committee.
- 90.1 asked for help on interpretations to the exemptions. The official responses become part of the official standard. Intent is to have the final version of these reviewed and voted upon by TC9.9.

IT Subcommittee – Roger Schmidt, Chair

- IT subcommittee has been meeting and developing testing program across many OEM's and data centers world-wide.
- The pre-work may be added to the work statement
- Update on Power Trends book - IT OEM's in data gathering mode since 2005 to 2010. Projecting to 2020 with this next update. Objective is book update by year end.

Publications Subcommittee – Don Beaty, Chair

- Economizer book - lead by Frank Morrison. Final editing and graphics, should be ready for review in a couple weeks
- Green tips - lead by Jack Glass. Final editing and graphics, should be ready for review in a couple weeks

TC Networking Options and Webpage Update – Ecton English

- It was agreed that the new format for the Webpage will be used.
- Several options for a Social Network are available
- Groupsite viewed as preferred option. It's free. <http://tc99.groupsite.com> This is a demo for everyone's review. TC9.9 members can review.

Thermal Guidelines

- There was a suggestion to the Committee that the IT thermal guidelines be converted to an ASHRAE standard. Jack Glass asked the IT Subcommittee to consider and report back to him.

The next meeting is scheduled for the first Thursday of October

The call in information will be distributed