

**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 4/07/2011

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

DATE OF MEETING 4/07/2011 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 | A |
| Richard Pavlak | 08 | P | Jack Glass | 09 | P |
| Roger Schmidt | 09 | A | John Bean | 10 | P |
| Mukesh Khattar | 09 | P | Joseph Gangemi | 10 | P |
| David Quirk | 09 | P | Rhonda Johnson | 10 | A |
| Doug McLellan | 09 | P | Herb Villa | 10 | P |
| | | | Francis Mills | 09 | Int'l |
| Corresponding Members | | Not Recorded | | | |

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 EDT. Jack Glass introduced himself along with Vice Chair, David Quirk.

Jack thanked everyone who participated in the Las Vegas meeting and commented that it was a very successful meeting for TC 9.9.

Jack gave an update on membership and noted that there are now 23 Provisional Corresponding Members on the roster. Another 6 names are pending addition.

Jack reviewed the dates of the upcoming conferences in Montreal, June 25-29, and Chicago, January 21-25. He noted that a reduced rate for conference registration was available only until April 15. Members were encouraged to book hotel rooms as soon as possible.

Agenda:

Programs Subcommittee – Nick Gangemi, Chair

Nick stated that (4) Conference Papers and (2) Seminars have been accepted for Montreal. Nick reviewed key dates for Montreal and Chicago. Dates for submissions for both conferences are posted on the TC 9.9 Website.

Research Subcommittee – Mike Patterson, Chair

Mike was not available for the call.

- It was reported that the Humidity and ESD research is posted for bids. The PES team has been formed. Proposal review is expected to begin in mid April.
- It was also noted that an unsolicited research proposal that was submitted and mentioned at the meeting in Las Vegas has been turned down for funding.

Handbook Subcommittee - Doug McLellan, Chair

Doug reported that the 'Printer Proofs' for the chapter had been received. Only very minor changes were required. He noted that the chapter covering data centers would be changed from Chapter 17 to Chapter 19 in the 2011 edition of the Application Handbook.

Standards Subcommittee - 90.1- Rick Pavlak, Chair

- Rick explained that since SSPC 90.1 is a Continuous Maintenance Standard, periodic addenda are issued. A proposal to use PUE as the basis for an alternative compliance path has been submitted by a member of TC 9.9. Rick noted that 90.1 does not have a clear alternative compliance path to date. Using PUE would represent a performance-based approach. It was noted that other industries have expressed similar interest to

ASHRAE. Jack stated that the Voting members would be asked to endorse the proposal submitted for using PUE.

- A separate subject was presented related to the EPA Energy Star program. It was noted that data center location addresses are published for sites achieving Energy Star rating. Members of TC 9.9 would be asked to respond if their organizations had official policies that would restrict the listing of data center addresses in public for security concerns. This issue would be presented to the EPA for reconsideration along with support from members of The Green Grid

IT Subcommittee – Roger Schmidt, Chair

- Robin Steinbrecher reported for Roger.
- It was reported that the subcommittee is close to finishing a White Paper expanding the Thermal Guidelines temperature and humidity ranges and also creating new equipment classes. Jack noted that the paper would be sent to the voting members for their review and approval. Because of the length of the paper, ample time would be given for review.
- The Power Trends book revision is still in the works

Publications Subcommittee – Don Beaty, Chair

- Don was not available for the call
- The 10th book in the Datacom Series, Green Tips for Data Centers went on sale in the bookstore in Las Vegas.
- The Economizer book is still in progress.

SPC – 127 - Fred Stack

- Fred was not available for the call.
- Rick Pavlak reported that the committee was aiming to deliver an updated version of the standard to the Standards Committee by the end of April.
- Minutes of SPC-127 meetings are posted on the TC 9.9 website.

Groupsite Discussion

- Jack brought up some points raised on the Discussion section of the trial of Groupsite by TC 9.9. The discussion centered on TC members speaking at other public venues and representing that they are members of TC 9.9. It was noted that there is no formal approval process for this and the dynamic nature of this industry presents many opportunities for members to speak in public. Jack gave general guidelines to the group: Member presentations should reflect positively on the work of TC 9.9 and member presentations should be consistent with the material published by TC 9.9.
- Jack noted that he would inquire of ASHRAE if there are specific guidelines regarding TC members speaking in public and representing their membership on a specific TC.

The call concluded shortly after 5:00 pm EDT.

Members will be notified of the next Conference Call

The call in information will be distributed