

**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 TG 1 DATE 28 January 2007

TC/TG/TRG TITLE EXERGY ANALYSIS FOR SUSTAINABLE BUILDINGS

DATE OF MEETING _____ LOCATION Dallas

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Ibrahim Dincer (Chair) VM	2006	Ismail Ekmekci IM	2006	Sriram Somasundaram
Birol Kilkis (Secretary) VM	2006	Jiri Scopek VM	2006	Michael Wetter
S A Sherif (ALI Liaison) VM	2006	Bhavik Bakshi VM	2006	Michael Brambley
Krishnan Gowri (Research) VM	2006	S. Sami VM	2006	Antony Jacobi
Peter Novak (Handbook) VM	2006	Jan Kosny VM	2006	Kamel Haddad
David P W Solberg (Program) VM	2006			Mike Opitz
Eric Ratts VM	2006			Kris Kinney
Tom Meyer VM	2006			Jim Brauh
				Lisa L. Rosenow

DISTRIBUTION

<i>All Members of TC/TG/TRG plus the following:</i>	
TAC Section Head:	Charles C Wilkin
TAC Chair:	Patricia Thomas Graef
All Committee Liaisons As Shown On TC/TG/TRG Rosters:	
Manager Of Standards Manager Of Research & Technical Services	Claire Ramspeck Mike Vaughn

ASHRAE WINTER MEETING - January 27-31, 2007, Dallas, USA

ASHRAE Technical Group TG 1. EXERGY ANALYSIS FOR SUSTAINABLE BUILDINGS

DRAFT MINUTES (not official until voted by the TG)

Time: 8:00-10:00 am, Sunday, January 28, 2007
Location: Majestic 5 (H37), Floor 37, Adam's Mark Hotel

Items 1-2: TG was called to order by the Chair. Quorum satisfied. Members present: 8VM. Members introduced themselves. The Chair thanked the Section Head for his presence and support. Roster was reviewed and some changes were indicated as the Chair forwarded to the Section Head.

Item 3: Title and Scope of the TG was read upon.

Item 4: Agenda was accepted unanimously.

Item 5: Research: Two RTARS per year per TG.

Item 6: The Chair communicated some points from various people and organizations about some activities in the area and highlighted the importance of this TG.

Item 7: Background information about the foundation, vision and mission of TG 1. Why this TG is so important? What we need to do? With whom and how? Dr. Dincer briefed the members on these items and pointed out the following:

- Our TG is bringing an important mind set to better efficiency, better cost effectiveness, better environment, better sustainability, and better energy security.
- Our website is up and running. Our Web site has been selected among the best and most complete.
- Two new chapter titles are proposed. In Long Beach we have to discuss and follow up in greater detail.
- Exergy efficient buildings concept in addition to the energy efficient building concept is very important and more important than energy efficiency. Zero exergy building concept must be developed.
- We should effectively contribute to ASHRAE Strategic Plan in various ways. There are six points of interest:
 - Environmental Design
 - Efficiency
 - Sustainability
 - Cost Effectiveness
 - Energy Security
 - Community and Education

Item 8: Inactive members should be transferred to CM status. We need strong commitment from the members and solid quorums every meeting. The Chair will work on it.

Item 9: There is a need to contribute to the handbooks by providing some sections/chapters on exergy and its applications to HVAC&R systems.

Item 10: An RTAR is underway for submission.

Item 11: TG1 needs to be more active by organizing transactions, seminars, forums, etc. Two transactions, two seminars and one forum are planned for NY 2008.

Item 12: We still need a STANDARDS s/c Chair.

Item 13: We still need an EDUCATION AND TRAINING s/c Chair. The following are aimed: (i) identify some potential areas, (ii) provide education and training through seminar and short courses to the people from academia, industry and government organizations, (iii) providing exergy related e-materials, presentations, papers to Tom for Green Council.

Item 14: Development of PDC courses. This activity needs dedication and the process takes a quite long time, including the approval process in ASHRAE. Therefore we need to assemble a special task force and assign an author or authors to start this activity, latest during Long Beach Meeting. The Chair needs to initiate the formal procedure at ASHRAE HQ. The Long Beach meeting may be a good occasion to talk with the officials.

Item 15: Website is fully functional. It was recognized and appreciated by members and ASHRAE.

Item 16: Development of terminology/dictionary for ASHRAE use is crucial and should be given priority. Dr. Kilkis is our liaison to SPC 166 and TC 1.6. Dr. Dincer is going to provide exergy related terms to Dr. Kilkis for inclusion to SPC 166P Standard on Terminology. We should also standardize symbols. All members are invited to contribute appropriate terms and send to Dr. Dincer.

Items 17 and 18: Discussion on the TG title: eventually a more general title will be better, e.g., EXERGY FOR SUSTAINABILITY. We may vote on it in the Long Beach meeting.

Item 19: An MBO will be prepared with future actions and planning.

Item 20: TG1 should get involved not only in national but also in international activities. Dr. Dietrich may bridge us to LowEXNET more actively and effectively (Dr. Kilkis is the US Representative and Dr. Dietrich is LowEXNET affiliated). We may also take active part in IEA Annexes.

Item 21: Strategic goals are important and we should work on to achieve those. TRG4 is a way to join efforts. Dr. Kilkis needs to report on TRG4 activities in LB.

Next Meeting will be on Sunday, June 24, 2007 in Long Beach.
Adjourned at 10:20 am.