

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

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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.

TC 2.9

DATE:

June 24, 2019

TC/TG/MTG/TRG

TITLE:

Ultraviolet Air and Surface Treatment

DATE OF

MEETING:

Monday, June 24, 2019

LOCATION:

Kansas City, MO

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
David Skelton	7-1-2018	Ashish Mathur	7-1-2018	
Steve Martin	7-1-2016	Richard Vincent	7-1-2017	
Jaak Geboers	7-1-2016	Aaron Engle	7-1-2018	
Henry Greist	7-1-2016	Chang-Seo Lee	7-1-2016	
Brian Hafendorfer	7-1-2018			
Kathleen Owen	7-1-2018			

DISTRIBUTION

<i>All Members of TC/TG/MTG/TRG plus the following:</i>	
TAC Section Head:	
TAC Chair:	
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters:	
Manager Of Standards Manager Of Research & Technical Services	

ASHRAE Technical Committee 2.9 (TC 2.9)

Ultraviolet Air and Surface Treatment

Main Committee Meeting Minutes

MEETING AGENDA

Kansas City, MO

KCCC room 2202

Monday, June 24, 2019 at 10:00-NOON

These DRAFT minutes have not been approved and are not the official record until approved by the Technical Committee at the 2017 Las Vegas Winter Meeting

“TC 2.9 Scope – TC 2.9 is concerned with all aspects of equipment and systems that utilize ultraviolet radiation to destroy or de-activate chemical and/or biological air and surface contaminants in HVAC systems and indoor spaces, including, but not limited to, effectiveness, safety, maintenance, and economics.”

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Meeting came to order at 8:00 am

Dave introduced our liaison:

Liaison stated the following:

Meeting minutes were not updated for the last several meetings

Voting members Present:

David Skelton

Jaak Geboers

Steve martin

Henry Geist

Brian Hafendorfer

Kathleen Owen

6 of 10 present (quorum is met)

Introductions made and Liaisons discussed the merging of other TC's...Section has several air quality groups that may be able to merge. ASHRAE pushing online mtgs.

Meeting minutes from the Atlanta meeting were approved 6 for/ 0 against.

Steve Martin gave the update on GPC-37...it was decided that the guideline needs to be cut down in size.

Standards Updated

New working group for coil cleaning to start right away, volunteers are; Scott, Sam, Henry, Brian, Dan Mason, Dave Skelton

Programs: Only one suggestion was made for an Orlando program as follows

Healthcare and UVC where and how and why do we apply –

Holistic Approach To Applying UV

HVAC - Scott

Upper Air – Richard & Josephine Intro 405

Surface- Sam Guzman - John Boyce? Mention 405

Adjunct to standard cleaning methods

Alternate technologies – VHP - Compliment your cleaning procedures with UV

Two questions to answer for each. Why, how

Catchy title to be added later –

Adjunct to standard cleaning methods

Alternate technologies - VHP

TC-2.9 Scope change to include visible light discussion...consensus was to table the discussion for now until more data is known. Suggested that the TC Invite one or more of the companies to present to the TC.

Handbook: Steve Martin summarized the updates that are being made to the 2020 handbook and also mentioned that he would like to roll off as Handbook chair...no volunteers.

Dave Skelton passed out the current roster and asked that each person go through it to make sure all information was correct. Reminded the attendees to update their profile on the website and any new corresponding members must apply on line.

UL-1995/ UL60335-2-40- Comments have been addressed and will go back out for a 45 day public review in July...Dean Saputa is a voting member on UL and will watch for the public review.

UV lamp requirements take effect July of 2019...UL will withdraw the 4th edition.

Suggestion that a subgroup work on other wavelengths, ie: 405nm and safety for in room. Brian Rogers to find out what committee within UL handles this. No volunteers

IUVA

- IUVA presentation was presented by Dr. Richard Martinello...are there partnerships between IUVA and ASHRAE.
- Should we look at a memorandum of understanding with IUVA?
- Working group on mobile UV devices should be formed
- A motion was made to work on a memorandum of understanding stating that we would like to move forward to create a working relationship with IUVA...6 for / 0 against. Sam Guzman to start process.

ISO

- ISO expert and working group- Sept 23 thru 26th, Dean Saputa is the current advisory chair and will increase the number of UV experts so that we can get at least a few to attend the plenary in September
 - Richard Vincent
 - Ashish Mathur
 - Dean Saputa
 - Kathleen Owen
 - Others???

TC voted to create a position document on ozone...Brian and Dean to start this and send it around to a small working group for edits...then to TC for vote and publication

Meeting adjourned at 11:50 pm