

**CPSC MEETING LOG
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: Meeting Log for the Joint Meeting of the CSA Technical Committee on Performance & Installation of Gas Burning Appliances & Related Accessories and the Z21/83 Technical Committee on Standards for Gas-Fired Appliances and Related Accessories

LOCATION: Cleveland Marriott Downtown at Key Center, Cleveland, Ohio

DATE: October 29, 2019

TIME: 8:30 am

LOG ENTRY SOURCE: Ronald A. Jordan

ENTRY DATE: December 12, 2019

COMMISSION ATTENDEES:

Ronald Jordan	ESMC
Caroleene Paul	ESMC

NON-COMMISSION ATTENDEES:

Greg Fabbuzzo (Chair)	Enbridge Gas
Andrew Gould (Vice Chair)	Reliance Home Comfort
Ted Poulin (Vice Chair)	AO Smith
Doug Hird (Vice Chair)	SaskPower
Peter Baker (Voting Member)	Maxitrol
Zenon Fraczkowski (Voting Member)	TSSA
Peter Osborne (Voting Member)	Enercare
George Prociw (Voting Member)	Enbridge Gas
Bob Vlasic (Non-voting Member)	Union Gas Limited
Matthew Wilber (Chair)	Crane Engineering
Andrea Papageorge (Vice Chair)	Southern Co.
Johnathan Brania (Voting Member)	UL
Mark Diesch (Voting Member)	Lennox
JoAnn Emmel (Voting Member)	Virginia Tech
Craig Grider (Voting Member)	Intertek
John Hohman (Voting Member)	EDEMCO
Diane Jakobs (Voting Member)	Rheem
Gary Potter (Voting Member)	Heater Technologies
Gene McPherson (Voting Member)	McPherson Propane
Frank Myers (Voting Member)	Myers Group
Jim Ranfone (Voting Member)	AGA

Issac Sargunam (Voting Member)	
Amy Sherwin (Voting Member)	St. Louis Community College
Dan Snyder (Voting Member)	AO Smith
Carl Suchovsky (Voting Member)	Appliance Engineering
Bruce Swiecicki (Voting Member)	NPGA
Ryan Jensen (Voting Member)	Emerson
Ryan Carroll (Non-voting Member)	Hearth, Patio & Barbecue Association
Joe Boros (Non-voting Member)	Rheem
Josip Novkovic (Program Manager)	CSA Group
Jennifer Waggoner (Project Manager)	CSA Group
Nikki Kidd (Manager, Strategic Initiatives)	CSA Group
John Kory (Technical Oversight Manager, HOCO)	CSA Group
Dan Yurman (Project Manager)	CSA Group
Dragica Jeremic Nikolic (Project Manager)	CSA Group
Beth George (Project Manager)	CSA Group
Karim Nazarali (Vice President, Standards)	CSA Group
Jaime Fernandez (Project Manager)	CSA Group
Charles Cote (Voting Member)	Energir
Celia Gibbs (Voting Member)	
Don Jamieson (Voting Member)	GHP Group Inc.
Susana Katz (Voting Member)	S. Katz and Associates Inc.
Claude Valliere (Voting Member)	Alberta Municipal Affairs Safety Services
Phillipe Verhas (Voting Member)	Dettson Industries Inc.
Ayman Abdel-Rehim (Non-voting Member)	AO Smith
Brian Diel (Non-voting Member)	M.B. Stergis Inc.
John Marshall (Non-voting Member)	TSSA
John Melling (Non-voting Member)	SaskPower
John Overall (Non-voting Member)	
Martin Thomas (Non-voting Member)	Natural Resources Canada CANMET Energy
Mike Travers (Non-voting Member)	Reliance Comfort L.P.
Eric Adair (Voting Member)	Hearth, Patio& Barbecue Association
Charlie Sourada (Voting Member)	North American Association of Food Equipment
Mike Deegan (Voting Member)	Clearwater Gas System
Gregg Gress (Voting Member)	International Code Council
James Nanni (Voting Member)	Consumers Union
John Park (Non-voting Member)	AHAM
Neil Rolph (Non-voting Member)	Lochinvar
Mark Skierkiewicz (Non-voting Member)	UL

Jeffrey Girard	Harvest Systems
Patricia Kirchner	AO Smith
Johnathan Sargeant	OmegaFlex
Bob Torbin	OmegaFlex
Dale Walls	Engineered Air
Mark Nureddine	Bull Outdoor Products
Jacob Nureddine	Bull Outdoor Products
Randy Cooper	AHAM
Adaire Chown	CodeSmith
Kevin Carlisle	Karl Dungs
Jim Narva	National Assoc. of State Fire Marshalls
Larry Gill	IPEX
Clint Richter	CSI Group/AGCO
David Delaquila	Aquila Consulting, LLC.
Paul Cabot	AGA
Ernest Haak	Frost Fighter
Greg Harbridge	Enercare
Travis Hardin	UL
Mark Harris	Titeflex
Kevin Alphs	Modine
Glenn Bergum	Residio
Kevin Ingersoll	Absolutaire
Jim Jagers	Mestex
Shannon Corcoran	AHRI
Lisa David	Lochinvar
Kevin Choi	UL
Chad Johnson	AO Smith
Dave Neufeldt	Sure Flame
Tae Kwon	AHRI
Brian Lisignan	Coorstek
Ramiro Mata	ASPE
Matthew Mausser	Intertek
Patrick McConnell	Dometic
Mairy Sanz	Enbridge Gas
Shajee Siddiqui	Zodiac Pools
Terrance Slaby	Heatco
Chris Turner	LB White
Brian Vandrak	Enerco Group
Jacob Waxman	AHRI
James York	Rinnai
Will Kowald	Lennox

Mark Harris	
Steve Craig	
Paul Sohler	
John Simpson	Residio
Glenn Bergum	Residio
Phillip Stephens	
Caroline Henley	
John Derksen	

MEETING SUMMARY:

The Joint Meeting of the CSA Technical Committee on Performance & Installation of Gas Burning Appliances & Related Accessories and the Z21/83 Technical Committee (“TC”) on Standards for Gas-Fired Appliances and Related Accessories met to address the following agenda items:

A.5 Adoption of the agenda

The TC adopted the agenda.

A.6. Approval of the October 16, 2018, March 4, 2019 and March 21, 2019 Joint Z21/83 TC and CSA Gas TC Meeting Minutes

The TC approved the October 16, 2018, March 4, 2019 and March 21, 2019 Joint Z21/83 TC and CSA Gas TC Meeting Minutes October 16, 2018, March 4, 2019 and March 21, 2019 Joint Z21/83 TC and CSA Gas TC Meeting Minutes.

A.9. NASFM Appeal of LC 1 TSC decision to reject a proposal to revise CSA/ANSI LC 1/CSA 6.26

The National Association of State Fire Marshalls (NASFM) proposed that arc-resistant CSST piping be required. Problems include a lack of boning and grounding of CSST gas piping involved gas fires they’ve investigated. The requirements and testing should not be optional. CSST piping continues to be sold in stores without proper bonding or that are not arc resistant.

ESMC staff asked the proposer what was the severity of damage in the incidents they’ve seen? The proposer replied that the severity ranged from pin-hole leaks in piping to fully engaged house fires. Staff asked if there was any incident data available. The proposer replied that there was data at individual fire departments, but not any national data. When asked, the proposer replied that there have been deaths and injuries associated with this. A motion was made to uphold the Technical Committee decision to make arc resistant SST optional in the LC1 standard, section 5.16 , as opposed to required. The Z21/83 TC voted to uphold it. The CSA TC voted to uphold.

A.10. Review request to remove certification agency mark from instructions (ie: Z21.90)

A motion was made to uphold the manufacturer’s ability to remove or include the certification mark from the manufacturers’ instructions. The Z21/83 TC voted to uphold. The CSA TC voted to uphold.

A.11. Direction to TSC to add testing and instructions as needed to address selector devices in any/all appliance standards (ie: Z21.104)

A motion was made to setup a task force to document and clearly present this info to the various TSCs.

A.12. Request from Automatic Gas Controls TSC to Adopt ISO 23550 and 23551-4

U.S. manufacturers that make valves equipped with proving systems use European ISO 23550 standards to certify them, because there are no U.S. standards with proving system provisions.

Dave D. suggested that if the U.S. standards ever wanted to develop valve proving systems, they could use the ISO 23550 standard.

Concern was raised that adoption of ISO 23550 would likely result in having to adopt a bunch of other, related ISO standards. ISO and European standards are often multi-part documents and/or are often include other related documents for certification of the end product. A motion was made to set aside previous drafts of valve proving systems, and instead adopt ISO 23550 and 23551.4. The Z21/83 TC voted on and adopted the motion. The CSA TC voted on and adopted the motion.

A.14. Request to revise or remove Conversion Table

A motion made and seconded to remove conversion table requirements in standards. The Z21/83 TC voted to accept the motion. The CSA TC voted to accept the motion.

A.15. Discussion item: Table titled, "Maximum allowable temperatures of typical non-metallic vent material used in [appliance]" - inclusion of UL 1738 and ULCS636

A motion was made to create a task force of all affected TSCs to collaborate on confirming a consistent approach to possibly applying UL1738 and ULCS636 in the respective standards. The Z21/83 TC and CSA TC both approved the motion.

A.22e. CO Sensor Detector Working Group Report

A proposal was made to disband the CO Sensor Working Group. A motion was made to disband the CO Sensor WG. ESMC staff also reminded the joint TC members that back in 2000, staff had made a similar proposal that a CO shutoff or response requirement be added to the standards for gas furnaces and boilers and that a WG was formed in 2002, spent two years developing a test criterion to evaluate CO/combustion sensing technology needed to implement a standard, but that WG was disbanded in 2005 before sensing technology was ever evaluated. Staff reminded the TC that the rationale cited for disbanding the WG in 2005 was due to an unsubstantiated claim that sensing technology durable enough to operate with a gas furnace or boiler for a 20-year didn't exist. Staff reminded the TC that staff has previously questioned the validity of setting a 20-year life requirement since other standards in general, and safety component standards never specified a 20-year life for safety components and that a alternative could be simply to replace a sensing device when it failed just like what would be done for any other safety component. Staff informed the TC members that in the 20 years since it's 2000 proposal, there have been approximately 435 CO deaths associated with gas furnaces, boilers, floor and wall furnaces and that there are an annual average of approximately 22 CO deaths associated with these types of appliances. Staff reminded the TC that the course of action for the current CO Sensor WG that had been established in 2015 in response to CPSC staff's 2015 CO shutoff/response proposal, was following the same path as the 2002 WG. Namely, that it

operated for a few years and then is disbanded without the objective/s being accomplished. During discussion, an AGA rep asked if the Commission developed a mandatory rule, would the rule pre-empt other CO requirements in the voluntary standards. ESMC staff replied that we could not predict what a final rule would look like and to do so would be speculative. The Z21/83 TC and the CSA TC voted on and approved disbanding the WG. Three members voted against disbanding the WG.

The meeting adjourned at 4:30 pm