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IAPMO Seeks United States Technical Advisory Group Members to Develop ISO/PC 316 – Water Efficient Products / Banding as an International Standard

The International Association of Plumbing and Mechanical Officials (IAPMO®) is seeking technical experts to participate on a United States Technical Advisory Group (U.S. TAG) to International Organization for Standardization (ISO) Project Committee (PC) 316 for the development of a standard on Water Efficient Products/Banding. As the U.S. TAG administrator, IAPMO seeks TAG members for the following categories:

Producer, User, and General Interest. The U.S. TAG will operate in accordance with the American National Standards Institute (ANSI) Procedures for U.S. Participation in the International Standards Activities of ISO.

The development of this ISO standard results from a proposal from Standards Australia to develop an international standard that would work to "encourage the development and marketing of water efficient products, enable consumers to clearly identify and purchase the best products within the industry, and positively influence manufacturing to improve the performance of their products through consumer power and information."

The scope of ISO/PC 316 will include the establishment of water efficiency flow rates and consumption values along with key performance test requirements for plumbing products and appliances, specifically: showerheads and mixing valves, faucets/taps, flow control devices, toilets (all types), urinals, flushometer valves, dishwashers for domestic use, clothes washers for domestic use, and the dryer function of combination washer/dryers, where water is used to dry washing loads.

Meeting the requirements of the standard will allow manufacturers to apply an internationally recognized label to their products, identifying them as being both high performing and water efficient. The standard will also be designed to work seamlessly with existing national-based consumer labeling programs already in place, such as the U.S. EPA's WaterSense program, which has been credited with saving trillions of gallons of potable water and billions of dollars for consumers in reduced water utility bills.

The U.S. TAG will work to develop consensus positions from U.S. stakeholders on the provisions of the standard, which will be submitted to ISO by ANSI.

Founded in 1926, IAPMO is a worldwide leader in the promotion of healthy and safe plumbing and mechanical systems. IAPMO has developed industry standards for more than 30 years, with a focus on plumbing products, water efficiency, solar heating systems and components, mechanical products (including heating, ventilation, cooling and refrigeration system products), and products used in the recreational vehicle and manufactured housing industry.

Interested parties wishing to serve on the U.S. TAG are invited to contact Pete DeMarco at pete.demarco@iapmo.org and include a résumé.

Sponsor of the Uniform Codes, IAPMO® – The International Association of Plumbing and Mechanical Officials – works in concert with government and industry for safe,

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A subscription to Official is just one of the many benefits available to members of IAPMO, which include substantial discounts on most IAPMO publications and educational programs, the opportunity to update and improve the UPC and UMC, participation in local IAPMO chapters and an invitation to attend IAPMO's Annual Education and Business Conference. The conference offers superb educational seminars. Find out more at www.iapmo.org.

sanitary plumbing and mechanical systems. Learn more about IAPMO at www.iapmo.org.

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IAPMO Advances Development of 2021 Uniform Codes During Technical Committee Meetings

The International Association of Plumbing and Mechanical Officials (IAPMO) last month completed Technical Committee Meetings toward the development of the 2021 editions of the *Uniform Plumbing Code (UPC®)* and *Uniform Mechanical Code (UMC®)*, American National Standards governing the installation and maintenance of plumbing and mechanical systems nationwide.

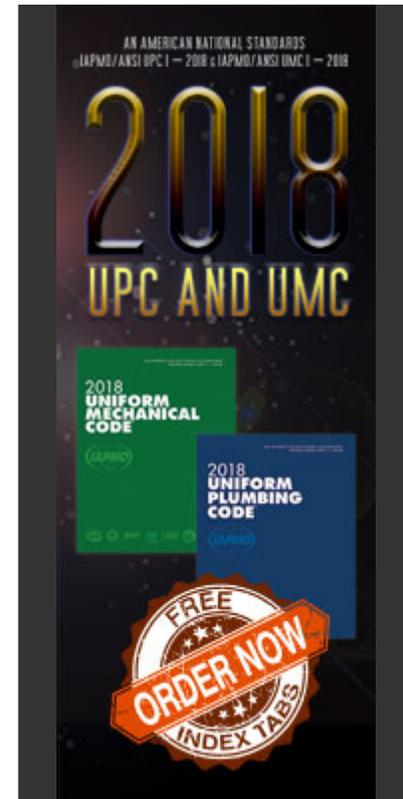
During the May 15-18 meetings at the Ontario Doubletree Hotel, the committees acted on nearly 450 proposed amendments to the 2018 editions of the *Uniform Codes*.

The *UPC* committee acted on 247 proposals and generated three committee proposals. Topics generating the most debate included rehabilitation of existing building sewers, Legionella risks, and circuit venting, the latter prompting the technical committee to discuss potential language to clarify sizing guidance and what combination of fixtures are most applicable.

Due to compelling arguments regarding Legionella risks, the technical committee requested that a Legionella Task Group be formed to address mitigation of the waterborne pathogen and associated scald risk provisions in the appendices of the *UPC*. This task group's scope includes reviewing and developing recommendations, if appropriate, on item No. 228 of the *UPC* to determine methods available to address the health and safety impacts of water temperature on Legionella and scald risks. Their recommendations will be forwarded to the *UPC* technical committee for consideration.

The *UMC* committee acted on 194 proposals and generated one committee proposal. A2L systems and duct systems were hotly debated, with numerous A2L refrigerant and duct system proposals submitted. The committee expressed concern about the amount of research still needed for such systems. More specifically on duct systems, heavy debate ensued on plastic piping within plenums, combustibles within plenums, fiberglass reinforced plastics (frp), and thermoplastics.

In accordance with IAPMO's American National Standards Institute (ANSI) accredited consensus development process, balloting through the *UPC* and *UMC* technical committees will begin on June 1 and conclude on June 22. The *Report on Proposals*



(*ROP*) will be created from these balloted actions and distributed to committee members on Aug. 20.

All suggested code amendments/additions/deletions published in the *ROP* will be available for public review. Eligible IAPMO members in attendance during the *UPC* and *UMC* Assembly Consideration Session in October will have the opportunity to vote on an Assembly Comment. This session will take place at IAPMO's 89th annual Education and Business Conference, Oct. 2, at the Sheraton Downtown Hotel in Philadelphia.

For specific information about the *UPC*, please contact Enrique Gonzalez at (909) 230-5535 or email your questions to enrique.gonzalez@iapmo.org. For the *UMC*, contact Zalmie Hussein at (909) 218-8122 or email your questions to zalmie.hussein@iapmo.org.

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IAPMO Gains Accreditation as Standards Developing Organization From Standards Council of Canada

The International Association of Plumbing and Mechanical Officials (IAPMO) has been accredited by the Standards Council of Canada (SCC) as a standards developing organization (SDO), confiding in the 92-year-old association the responsibility to develop, publish, and maintain National Standards of Canada (NSC).

SCC approved IAPMO's accreditation under the council's Canadian Standards Development Program (CSD), adding IAPMO to an exclusive group of American SDOs achieving the accreditation. SCC accredited SDOs are responsible for the development, publication and maintenance of NSCs.

"We are thrilled to add our specific expertise in developing standards for the Canadian market," said IAPMO CEO GP Russ Chaney. "Since obtaining SCC accreditation to certify plumbing products almost 20 years ago, we are pleased to take this next big step by becoming an accredited SDO. IAPMO supports the harmonization of standards with the United States, Canada and Mexico as a mechanism to reduce non-tariff trade barriers. We are looking forward to furthering that goal.

Read more: www.iapmonline.org

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IAPMO CEO Chaney Meets U.S. Commerce Secretary Ross, Urges Continuation of MDCP, Reinstatement of Research

IAPMO CEO GP Russ Chaney and other IAPMO executives last month met with U.S. Secretary of Commerce Wilbur Ross in his office at the U.S. Department of Commerce headquarters in Washington, D.C., to discuss ways Commerce and the industry can increase U.S. exports and ensure their competitiveness in foreign markets.

Joined by Senior Vice President of Government Affairs Dain Hansen, Executive Vice President of Global Operations Gaby Davis, and Executive Vice President of Advocacy and Research Pete DeMarco, Chaney demonstrated to Sec. Ross how The IAPMO Group's work with the International Trade Administration's Market Development Cooperator Program (MDCP) and the United States and Foreign Commercial Service and Standards Attachés has resulted in an 85 percent increase in total annualized plumbing exports to Indonesia.

Commerce's FY 2019 budget proposes to remove key resources the plumbing industry uses to open new markets, eliminate the MDCP program, and close overseas and domestic offices, moves that would drastically stifle the significant industry growth these resources have spurred.

"With the long-standing partnership and close collaboration IAPMO has enjoyed with the Department of Commerce over the years, and the successful programs we have implemented together, it is refreshing to see this commitment and support continue from Secretary Ross. It is evident Secretary Ross understands the issues IAPMO and the entire industry face, and we look forward to working with him and his entire team moving forward." Chaney said.

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California Solar Initiative Dominated by Multi-Family Houses

In 2017, the California Solar Initiative (CSI) – Thermal Program supported the installation of 20,000 m² of collector area, a 20 % increase over the prior year. With 10,832 m², or four times the area installed in 2016, multi-family buildings dominated the subsidy landscape for those 12 months. The surge was a result of a temporary increase in the incentive amount, from USD 29.85 per therm displaced to USD 70, granted across the service area of Southern California Gas Company. The chart, for which data has been supplied by the California Public Utilities Commission, shows the collector area subsidized and installed from 2010 to 2017.

Sales of commercial pool heating systems declined for another year. The market had its peak in 2014, after nearly a year had passed before incentive levels and requirements were set, while applications had piled up and needed to be processed.

In February 2013, installations providing solar heat for industrial processes, or SHIP, became eligible for CSI, but because of low gas prices, no application for this sort of system has been submitted to date. SHIP was still a relatively new application across the United States, said William Guiney, President of Artic Solar, a Florida-based project developer specializing in solar process heat. In 2017, his company had installed just one 16.2 m² system for heating fish barns in the state, he said.

Last May, CSI – Solar Thermal was extended for 2.5 years to support the replacement of gas water heaters by solar systems. It will make cash rebates available until 31 July 2020, although a cost-effectiveness analysis of the program will need to be completed by 31 December 2019.

In addition to Florida and Hawaii, California is the third key state for solar thermal sales in the United States. With 174,396 m², the national glazed collector market had remained stable in 2017, said Les Nelson, Director of Solar Heating & Cooling Programs at the California-based International Association of Plumbing and Mechanical Officials. In all, most of added solar thermal capacity in 2017 can be traced back to unglazed collector installations for swimming pool heating, for which the United States was again the largest market, with new systems adding up to 766,210 m² (536 MWth).

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New Construction Starts in April Pull Back 13 Percent

The value of new construction starts in April fell 13% from the previous month to a seasonally adjusted annual rate of \$674.3 billion, according to Dodge Data & Analytics. The decline follows the 11% gain reported for March, which was the highest level of construction starts over the preceding six months. The loss of momentum in April was widespread, involving each of the three main construction sectors.

Nonbuilding construction (public works and electric utilities/gas plants) plunged 22% after its 74% hike in March that featured the start of the \$3.5 billion Mountain Valley Pipeline expansion in West Virginia and Virginia, as well as several large highway projects. Nonresidential building retreated 12% due to a slower pace by its institutional and manufacturing segments. Residential building dropped 9% with reduced activity for both single family and multifamily housing. During the first four months of 2018, total construction starts on an unadjusted basis were \$223.5 billion, down 7% from the same period of 2017 (which included very strong amounts for airport terminals and natural gas pipelines). On a twelve-month moving total basis, total construction starts for the twelve months ending April 2018 matched the dollar amount that was reported for the twelve months ending April 2017.

April's data lowered the Dodge Index to 143 (2000=100), down from a revised 165 for March. Taking the average for March and April produces an Index reading of 154, slightly above the 152 average for January and February, although still below the 161 average for the full year 2017.

Read the full press release: <https://www.construction.com/news/new-construction-starts-april-pull-back-13-percent-may-2018>

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EPA Awards \$1.9 Million to Water Research Foundation to Research Lead in Drinking Water

On April 25, the U.S. Environmental Protection Agency (EPA) announced \$1,981,500 in funding to the Water Research Foundation in Denver, Colo., to research strategies to reduce lead exposure in drinking water.

"Lead exposure is one of the greatest environmental threats we face as a country, and it's especially dangerous for our children," said EPA Administrator Scott Pruitt. "This research will move us one step closer to advancing our work to eradicate lead in drinking water."

The Water Research Foundation will use this funding to create a risk-based model to identify opportunities to mitigate lead exposure from drinking water, including at homes and among children and pregnant women. In addition, they will develop a communication framework that focuses on education and outreach for risk factors and mitigation opportunities. The communication framework will be a resource for vulnerable communities and water utilities, as well as the general public and other stakeholders.

"The ultimate objective of this research is to go beyond advancing the science by providing resources that effectively reduce exposure from lead in drinking water," said Research Manager for The Water Research Foundation Jonathan Cuppett. "The critical components of the project include generating a risk based computational model, identifying lead mitigation opportunities, and developing a communication framework to educate stakeholders on lead exposure."

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Industry Calendar

89th Annual Education and Business Conference
Sept. 30-Oct. 4, 2018
Philadelphia, PA
www.iapmo.org

ARCSA/ASPE 2018 Annual Conference and Expo
Sept. 29 - Oct. 2, 2018
Atlanta, GA
www.arcsa.org

WaterSmart Innovations Conference and Exposition
October 3-5, 2018
Las Vegas, NV
www.watersmartinnovations.com/

Upcoming Seminars

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ALASKA ONLINE SEMINARS		
ARIZONA SEMINARS		
June 11-15, 2018	Phoenix, AZ	ASSE 5110 Backflow Tester 40 Hour Class and Exam
June 15, 2018	Phoenix, AZ	Cross Connection Control Recertification - 8 hr Course and Exam
August 20-24, 2018	Phoenix, AZ	Cross Connection Control Recertification - 8 hr Course and Exam
August 24, 2018	Phoenix, AZ	Cross Connection Control Recertification - 8 hr Course and Exam
September 17-21, 2018	Phoenix, AZ	Cross Connection Control Recertification - 8 hr Course and Exam
September 21, 2018	Phoenix, AZ	Cross Connection Control Recertification - 8 hr Course and Exam

CALIFORNIA SEMINARS		
June 11-15, 2018	Ontario, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
June 15, 2018	Ontario, CA	Cross Connection Control Recertification - 8 hr Course and Exam
July 16-20, 2018	Poway, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
July 20, 2018	Poway, CA	Cross Connection Control Recertification - 8 hr Course and Exam
August 20-23, 2018	Sacramento, CA	ASSE 7010 PQ Standards for Installers of Residential Fire Sprinkler Systems
August 24, 2018	Sacramento, CA	ASSE 7020 PQ Standards for Installers of Residential Fire Sprinkler Systems -- Re-Certification
September 17-21, 2018	Ontario, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
September 21, 2018	Ontario, CA	Cross Connection Control Recertification - 8 hr Course and Exam
COLORADO SEMINARS		
June 18-22, 2018	Meeker, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam
June 21-22, 2018	Meeker, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course and Exam
July 9-13, 2018	Westminster, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam
July 26-27, 2018	Denver, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course and Exam
August 13-17, 2018	Grand Junction, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam
August 16-17, 2018	Grand Junction, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course and Exam
August 23-24, 2018	Denver, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course and Exam
IOWA ONLINE SEMINARS		
LOUISIANA SEMINARS		
June 25-29, 2018	Baton Rouge, LA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
June 29, 2018	Baton Rouge, LA	ASSE 5110 Cross Connection Control Recertification - 8 hr course / WSPS Conversion Class
July 16, 2018	Lake Charles, LA	ASSE 5110 Backflow Tester 40 Hour Class and Exam

July 17-19, 2018	Lake Charles, LA	20 Hour ASSE 5120 Surveyor Certification Course
MASSACHUSETTS SEMINARS		
Session 10 Training now available - click here for the schedule!		
MINNESOTA SEMINARS		
September 10-14, 2018	Anoka, MN	ASSE 5110 Backflow Tester 40 Hour Class and Exam
September 14, 2018	Anoka, MN	ASSE Cross Connection Control Recertification - 8 hr Course and Exam
NEW JERSEY SEMINARS		
September 24-28, 2018	Pennsauken, NJ	ASSE 5110 Backflow Tester 40 Hour Class and Exam
September 28, 2018	Pennsauken, NJ	ASSE 5110 Cross Connection Control Recertification - 8 hr course and Exam
PENNSYLVANIA SEMINARS		
June 11-15, 2018	Scranton, PA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
June 15, 2018	Scranton, PA	ASSE Cross Connection Control Recertification - 8 hr Course and Exam
SOUTH DAKOTA SEMINARS		
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