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OFFICIAL MAGAZINE



IAPMO Seeking Task Group Participants for 2012 Code Cycle

IAPMO is now accepting applications at its Website from individuals wishing to participate on soon-to-be formed Task Groups working toward the development of the 2012 editions of the *Uniform Plumbing Code (UPC®)* and *Uniform Mechanical Code (UMC®)*. Applicants must submit their completed application form by Sept. 18. Information and downloadable application forms can be found at <http://www.iapmo.org/Pages/TaskGroupInformation.aspx>.

The *UPC* and *UMC* are developed using an American National Standards Institute (ANSI) accredited consensus process, signifying that the procedures used by standards setting organizations such as IAPMO meet the Institute's requirements for openness, balance, consensus and due process. This process brings together volunteers representing a variety of viewpoints and interests to achieve consensus on plumbing and mechanical practices. The *UPC* and *UMC* are the only plumbing and mechanical codes of practice to be named American National Standards.

In accordance with the rules and regulations that govern these procedures, a Technical Committee (TC) or Technical Correlating Committee (TCC) may create Task Groups to address a specific topic or problem. Persons serving on a Task Group need not be members of the TC or TCC.

Task Groups meet in person and/or via conference calls to discuss solutions and then forward their recommendations along with a report of any underlying issues to the TC or TCC for action.

IAPMO is seeking volunteers for the following Task Groups:

- **UPC Correlation Task Group** to identify technical and editorial inconsistencies within the 2009 UPC.
- **UPC Standards Task Group** to add cross-references to Table 14-1 Index of the 2009 UPC to indicate where code sections of each standard are referenced and to update the format of standards based on materials and products.

- **UMC Ventilation Task Group** to provide an alternate method in order to obtain outdoor air rates.
- **UMC Correlation Task Group** to identify technical and editorial inconsistencies within the 2009 UMC.
- **UMC Standards Task Group** to add cross-references to Table 14-1 Index of the 2009 UMC to indicate where code sections of each standard are referenced and to update the format of standards based on materials and products.

For more information on Uniform Code development and/or Task Group participation direct your Web browser to www.iapmo.org/Pages/TaskGroupInformation or contact Matt Sigler, UPC staff liaison, at (909) 230-5535 or matt.sigler@iapmo.org, and Adam Muliawan, UMC staff liaison, at (909) 472-4111 or adam.muliawan@iapmo.org.

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Uniform Codes Get a Home on the Internet

Leave your codebooks on the shelf; IAPMO is now offering 24/7 online access to its most current plumbing and mechanical codes through the IAPMO Web Portal.

Through this portal, plumbing and mechanical professionals can access the Uniform Plumbing and Mechanical Codes, as well as several state and international custom codes using a dynamic interactive and annotatable Web platform powered by citation.

This unique means of accessing IAPMO's codes enables the preservation of institutional knowledge and research where it matters most — within the code itself. In addition to text, annotations can include site notes, pictures or links to third-party documents and Websites.

Code enforcers, design professionals and contractors can obtain the codes, standards and regulations necessary to competently use, apply and/or enforce these codes today:

- 2009 Uniform Plumbing Code (UPC) and Uniform Mechanical Code (UMC)
- 2006 UPC and UMC
- 2007 California Plumbing Code and California Mechanical Code
- 2008 Uniform Plumbing Code – India
- 2003 UPC and UMC (Coming soon)
- 2008 Oregon Plumbing Specialty Code and 2007 Oregon Mechanical Specialty Code (Coming soon)

"This exciting new Website expands on the groundbreaking portal launched by IAPMO last year for the California codes," said Terry Leppellere, IAPMO director of Member Services. "All of the Uniform Codes, standards and regulations — and the most advanced Web-based tools to access them — are now only a click away."

Using the powerful search capabilities, users can easily identify the right documents and review them immediately, enabling quicker more accurate decision-making. Search by keywords and see those keywords highlighted within each standard in which they're included, and retain those searches for future use.

Organizations can use the portal to incorporate important company information and facilitate overall compliance throughout the organization. A forum is provided to discuss matters that affect business, allowing users to attach notes, images, tables and links to any document or paragraph within a document and then share these annotations with other individuals.

And all information is automatically updated whenever changes to any standard or regulation occur across industry categories, so users will always have the most current, pertinent information available at their fingertips.

For more information and/or to order a subscription to the IAPMO Web Portal, direct your Web browser to www.iapmoproducts.com or contact Citation Technologies customer service at (800) 808-3372.

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IAPMO R&T Accredited to Certify Electrical Products

IAPMO R&T, North America's premier plumbing and mechanical product certification agency, has received a scope extension from the American National Standards Institute (ANSI) for the certification of electrical products.

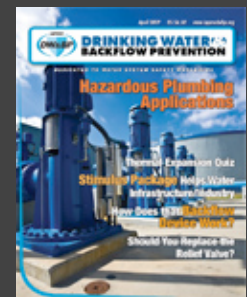
The accreditation includes such electro-plumbing products as Whirlpools (covered by UL 1795), spas (covered by UL 1563) and the components within them. Other products fitting within the scope of this



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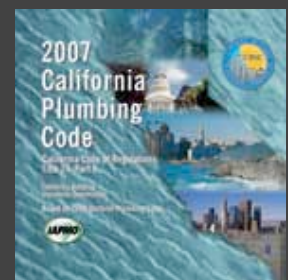
A subscription to Official is just one of the many benefits available to members of IAPMO, which include substantial discounts on most IAPMO publications and educational programs, the opportunity to update and improve the UPC and UMC, participation in local IAPMO chapters and an invitation to attend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

DW&BP MAGAZINE



Drinking Water & Backflow Prevention Magazine subscriptions: 1-888-FOR-DWBP (888-367-3927)

Subscriptions and/or advertising: 703-934-0115
Personnel certification and education: 800-SAVE-H2O (800-728-3426)



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accreditation include electrical faucets, flushometer valves and similar plumbing fixtures utilizing electrical components.

The ANSI accreditation enables IAPMO R&T to expand its menu of certification services in order to ease the burden placed on many clients, which previously have had to certify their products for the plumbing aspects of their use through IAPMO R&T and the electrical aspects through another third-party certification body. This, of course, added cost and time to the process, thus slowing the product's delivery to market.

"We launched this expanded certification program at the request of numerous clients who expressed dissatisfaction with their current electrical certification provider," said Shahin Moinian, senior director of IAPMO R&T.

For more information on having electro-plumbing products certified and listed, contact Shahin.Moinian@IAPMORT.org or (909) 472-4121.

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Lepellere Elected to Chair NCPCCI Board

IAPMO is pleased to announce that Terrence Lepellere, IAPMO director of member services, has been elected to serve a two-year term as Chairman of the National Certification Program of Construction Code Inspectors (NCPCCI) Board of Governors. Lepellere is a charter member of the NCPCCI Board of Directors and previously served as its chairman from 1988-89.

Launched as a consortium of state agencies and model codes groups in 1978, the NCPCCI was created to develop code enforcer examinations that could be used nationally to provide uniformity in certification and licensing testing. Lepellere, then manager of Training and Education with Building Officials and Code Administrators (BOCA), helped draft the NCPCCI bylaws and served on the Board until 1993. He rejoined the Board again last December.

NCPCCI exams are developed by state code enforcement agencies and professional organizations in collaboration with Prometric Holdings, LLC. They provide a basis for assessing competency in technical code knowledge of a Construction Code Inspector or Plan Reviewer. The Board of Governors includes representatives from the states of Indiana, Kentucky, Massachusetts, New Jersey, Ohio, Oklahoma and Virginia, as well as from the International Association of Electrical Inspectors (IAEI).

"Moving forward, the NCPCCI Board will work to recruit more states into the program, thereby expanding the test candidate population and ensuring the continuation of this vital program for decades," Lepellere said.

This year, all NCPCCI exams will be updated to the most current editions of the model codes. During this update process, IAPMO's *Uniform Plumbing Code (UPC®)* and *Uniform Mechanical Code (UMC®)* will, for the first time in the history of the NCPCCI program, become reference documents. The plumbing and mechanical tests will also be compatible with the International Plumbing Code, International Mechanical Code and the National Standard Plumbing Code.

For more information on NCPCCI, direct your Web browser to www.prometric.com/NCPCCI or contact Lepellere at (708) 995-3001 or terry.lepellere@iapmo.org

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Hays, Kansas Adopts 2009 UPC

Hays Kansas Trades Board voted on August 10 to change from the International Plumbing Code to the Uniform Plumbing Code.


Bill Schweitzer, IAPMO Regional Manger for Iowa, Kansas, Missouri and Nebraska, was present at the board meeting to give a presentation on the advantages of the UPC over the IPC. After asking a few questions, the board made a motion to adopt the 2009 UPC. The code will go into effect January 1, 2010.

Located in Ellis County near the intersection of I-70 and Highway 183, Hays is the largest city in Northwest Kansas. Incorporated in 1885, the city has approximately 20,000 residents.

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Florida Steps Up Enforcement of Backflow Laws

The Florida Department of Environmental Protection (DEP) plans to begin enforcing rules requiring homes and businesses to be retrofitted with backflow protection, according to an article in *The Tampa*




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Tribune.

The rules will affect those with reclaimed water and irrigation systems that use water pumped from wells, lakes and ponds, as well as structures with fire sprinklers.

Though the rules have been on the books since 1987, DEP officials only recently began enforcement after a residential subdivision was found to be using surface water as irrigation, without backflow protection.

The cost for retrofitting will be placed on the homeowner and business owner, which could range from \$300 to \$25,000. The requirement has met opposition from the public and city officials, who say complying with the rules will be too much of a financial burden.

DEP officials said the rules are necessary to prevent chemicals, bacteria and viruses from entering the public's drinking water.

Homeowners and business owners have until 2015 to comply with the regulations.

[Read the Tampa Tribune article.](#)

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Report Finds Stimulus Construction Funds Having Little Impact

The stimulus plan appears to be having little influence on construction companies' ability to expand payrolls to date according to a new industry analysis of the impact of the federal program's construction spending released by the Associated General Contractors of America. The "disappointingly" slow pace of construction spending outside of the transportation sector is one of the main reasons for the relatively small impact on new hiring, the group noted.

"While the construction portion of the stimulus is having an impact, it is far from delivering its full promise and potential," said Stephen E. Sandherr, the chief executive officer of the contractors association. "With construction unemployment at almost double the national rate, it is disappointing to see so many stimulus programs getting off to such a slow start."

Sandherr said that five months into a federal stimulus program that has approximately \$135 billion dedicated for construction projects, there is little difference in hiring and purchasing patterns between companies doing stimulus-funded work and companies that aren't.

For example, he noted that while 36 percent of construction companies with stimulus-funded work report plan to hire new employees, an almost identical percentage of firms without stimulus-funded work also plan to make new hires this year or next. He added that while 36 percent of construction firms with stimulus-funded work plan to purchase new equipment and supplies, a higher rate - 43 percent - of construction firms without stimulus-funded work report plans to purchase new equipment over the same time frame.

One reason the stimulus is having a limited impact on construction hiring and purchasing patterns, Sandherr said, is that outside of the transportation arena, little of the stimulus' authorized construction dollars have resulted in actual construction work. He noted that while the Army Corps of Engineers is responsible for \$4.6 billion in stimulus construction funds, the agency has only obligated \$715 million and paid out \$84 million.

Meanwhile, the General Services Administration has only obligated \$656 million and paid out \$12 million of its \$5.9 billion in stimulus construction funds. And only half of one percent of the \$6 billion in stimulus funds available for the U.S. Environmental Protection Agency's state clean water and drinking water programs has been put to use at this point.

He said the slow investment rate for construction funds was significant to hiring and purchasing patterns because some of the hardest hit segments of the construction industry are outside of the transportation area.

Sandherr said the stimulus was doing a much better job at this point in helping construction companies save existing jobs. He noted that 60 percent of construction firms with stimulus-funded work report have saved or retained jobs because of the stimulus.

And he noted that construction firms with stimulus-funded work do plan to make larger equipment purchases than their colleagues without stimulus-funded work. Among companies planning equipment purchases, forty-two percent of firms with stimulus work say they will spend over \$500,000, while only 18 percent of firms without stimulus work will invest more than half a million dollars in new equipment and supplies.

"The stimulus is clearly working," Sandherr said. "It just isn't working fast enough for many construction workers in many communities."

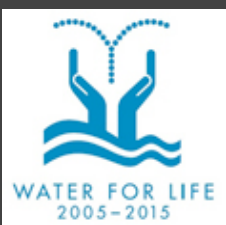
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Sandherr said there was still time for the Administration to make sure the multi-year stimulus program delivers on its promise. He said the association was urging federal agencies to address critical shortages of contracting officials within key federal and state agencies overseeing stimulus construction dollars.

He added that the Administration needs to fully and finally clarify reporting and Buy American requirements included in the stimulus, noting many federal and state agencies are having difficulty interpreting the new mandates. And he urged everyone involved with the stimulus to set proper expectations for what the stimulus will, and will not, be able to do for the economy.

"Unsustainably high expectations can bring down good policy and great programs," Sandherr said. "The stimulus will keep our industry alive, but it will not turn around a trillion dollar construction industry overnight."

The stimulus analysis released was based in part of a survey almost 1,000 construction firms nationwide conducted by the Associated General Contractors of America over the past three weeks. The survey results were combined with the association's analysis of federal and state agency stimulus activities, and a review of employment data from the Bureau of Labor Statistics.

[Click here](#) for the survey results and the association's stimulus impact analysis.

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California Finalizes Lead Content Testing Protocols

The California Department of Toxic Substance Control (DTSC) has finally published its continuing compliance test protocol in accordance with the requirements of California AB 1953-2006, SB 1334 and SB 1395.

IAPMO R&T has captured the requirements of the protocol in the revised R-073, which can be [downloaded here](#). The main requirement is the method used to identify the lead content of alloys and components within the products covered by AB 1953-2006.

Although IAPMO R&T's requirements were very stringent and listed products continue to comply, it would be prudent for listees to conduct the required testing to the requirements of the aforementioned procedure. IAPMO R&T laboratory is standing by to accommodate such testing for its clients. While the testing is being conducted, listings will remain in good standing. However, it is recommended that such testing be finalized by the end of the 2009 calendar year.

IAPMO R&T is being proactive in this case and will continue to inform in this matter.

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Indonesia National Workshop Seismic Resistant Design Requirements III

The Latest Requirements for Seismic Design of Buildings and Seismic Anchorage for Non-Structural Components and Walls

In the last decade, the industrial expansion in Indonesia resulted in a large investment in the equipment for manufacturing, mining, oil and gas facilities, as well as utilities generating facilities, throughout the country. The cost of equipment in industrial facilities is usually larger than the cost of constructing the building itself. Considering the high seismicity in several areas of Indonesia, it is prudent to protect this investment from damaging earthquakes by anchoring the equipment properly. The damage to the equipment and its utility distribution system will disrupt the manufacturing activities, and if the equipment and the utilities distribution system cannot be repaired within a short period of time, the manufacturer could face financial hardship. In addition, the damage to the utilities generating facilities will result in widespread impact to the community daily life.

The equipment anchorage design requirement in the United States had been updated totally in the last five years in parallel with the seismic design requirement for the buildings. However, the seismic anchorage requirements in Indonesian codes are still based on the formula developed several decades ago. It is the intent of the workshop to update participants' knowledge on the latest seismic design requirement for equipment anchorage in high seismic areas.

Numerous buildings in the third world country with Sichuan China earthquake as the latest sample were collapsed due to the failure of the vertical bearing walls. These walls were not designed properly to resist the out of plane seismic forces and were not sufficiently tied/restrained to the floor or roof construction. This workshop will discuss the structural and nonstructural walls' out of plane seismic design forces to determine required wall anchorage to the floor or roof construction.

The workshop was conducted with the above background to update participants' knowledge on the

latest requirements for seismic design of buildings and seismic anchorage for non-structural components and walls in the United States. In addition, it serves as continuing education for lecturers and engineers (civil/structural, architectural, mechanical and electrical engineers) with up to date seismic design trends.

There were four sessions delivered by the main speaker in the workshop. The first session discussed the new California or ASCE 7 seismic design parameters for buildings in general. Where applicable, the differences with 1997 UBC, previous California seismic codes which is similar to Indonesian seismic codes, were highlighted. At the end of the first session, a brief comparison with Indonesian seismic codes was shown. The second session was dedicated to the seismic design requirement for nonstructural components and equipment. A brief comparison with Indonesian codes' seismic anchorage requirement was presented. The third session covered the seismic design requirement for architectural components and out of plane loading on structural and nonstructural walls. The last session on the workshop showed several sample problems for determining the seismic design forces for equipment and wall anchorage. In addition to the main speaker, Christian University of Indonesia Civil Engineering Department lecturers presented seismic design of low rise residential reinforced concrete building in Indonesia and a new method for predicting the shear strength of concrete shear wall for low rise buildings.

The workshop was organized by Christian University of Indonesia Civil Engineering Department, and Earthquake Engineering Center (EEC) on July 10, 2009 at Video Conference Room, Christian University of Indonesia, Jakarta, Indonesia. IAPMO contributed to the workshop by giving 2009 Uniform Mechanical and Plumbing codes discs for the university and door prizes. There were 70 participants consisting of practicing engineers from national firms, lecturers and students from local universities. The organizer hopes that the workshop will contribute to the development of Indonesian seismic codes with a goal for appropriate implementation of seismic resistant design in Indonesia.

The main speaker was Ir. Wira Tjong, MSCE, S.E. (Structech, USA), and other speakers were Ir. Ika Bali, M.Eng., Ph.D., Head, Civil Engineering Department, and Ir. Pinondang Simanjuntak, MT, Director, Earthquake Engineering Center, Civil Engineering Department, Christian University of Indonesia. DR. IR. Ika Bali, M. Eng can be reached at ikabali@yahoo.com or 628158845546.

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Industry Calendar

40th WorldSkills Competition - Calgary 2009
Sept 8 - 11, 2009
Calgary, Alberta, CA
<http://www.worldskills2009.com/>

IAPMO 80th Annual Education and Business Conference
Sept 27 - Oct.1, 2009
Doubletree Hotel at Mission Valley
San Diego, CA
www.iapmo.org

WaterSmart Innovations Conference & Expo
Oct 7 - 9, 2009
Las Vegas, NV
www.watersmartinnovations.com

SMACNA Annual Convention
Oct 11 - 15, 2009
Desert Springs Marriott Hotel & Spa
Palm Desert, CA
www.smacna.org/

Connect 2009 - PHCC National 127th Convention
Oct 21 - 23, 2009
New Orleans, LA
www.phccweb.org/

GreenBuild 2009
Nov 11 - 13, 2009
Phoenix, AZ
www.greenbuildexpo.org

IAPMO Green Technical Committee Meeting
Nov 17 - 19, 2009
Chicago, IL
www.iapmo.org

ASSE 2009 Annual Meeting
Nov 17 - 21, 2009
Hyatt Regency
San Antonio, TX
www.asse-plumbing.org

Upcoming Seminars

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August 27, 2009	Council Bluffs, IA	2006 UPC Essentials
October 15, 2009	Iowa City, IA	2006 UPC Essentials
October 19-22, 2009	Ontario, CA	Medical Gas Inspector & Medical Gas Verifier Seminar & Certification
October 22, 2009	Ontario, CA	2007 CPC Essentials
October 23, 2009	Ontario, CA	2007 CMC Essentials
November 6, 2009	Kalispell, MT	2006 UPC with Montana Amendments
November 6, 2009	Des Moines, IA	2006 UPC Essentials
November 18, 2009	Las Vegas, NV	2006 UPC Essentials
November 19, 2009	Las Vegas, NV	2006 UMC Essentials
December 5, 2009	Los Angeles, CA	In-Depth Mechanical
December 11, 2009	Missoula, MT	2006 UPC with Montana Amendments
December 15, 2009	Los Angeles, CA	In-Depth Plumbing
<p>Contact the IAPMO Training staff to register at 1-877-427-6601, or go to our website http://www.iapmo.org/Pages/Seminar.aspx to register online. New training dates are added periodically!</p>		

