



E-Institute

Official Newsletter of IPA

We must not make the same mistakes of the past:

In past issues I have urged the timely take up of new standards and codes as they are developed and have deplored the now three-year cycle for improvements forced on the public by government. Three years may not be too long for the big end of town where projects could be well over three years from conception to completion but for project housing where individual operatives could have hundreds of individual projects under construction the alternative of using performance solutions is probably impracticable and costly. As of now in September 2018 recognition of a need to amend or add new materials or systems to a plumbing standard it will be the PCA2025 before it becomes mainstream regulation. Over six years in today's pace of technological advancement is a long time.

History tells us that around the turn of the century many areas of plumbing previously associated with complex buildings and controlled by specialist engineers moved to mainstream plumbing. Forced circulation heated water is a prime example and although limited texts were available for guidance they were never replicated in the plumbing standards or regulations until the mention of pending inclusion in 2003 that did not happen albeit partially until 2015 with real inclusion in 2018 yet to be referenced by regulation in 2019. This 16-year time lag has seen technology moving ahead and oversight reducing together with new ways of contracting that appear to remove any design oversight further reinforcing the need for registration of plumbing design.

Other than plumbing, design and installation of important structural elements of a building are certified to the original design at various stages and at completion but although plumbing is equally as important to the functioning of the building any certification of the plumbing installation is after completion and only to regulations not the original design purchased by the consumer.

Stephen Movley
Editor

Extended Deadline:

For those wishing to submit proposals for change to the plumbing installation standard AS/NZS3500 for reference in the NCC 2022, Standards Australia has extended the deadline from end of August to end of October 2018, so it is still possible to shortcut the six-year period noted above for selected standards.

The IPA is willing to consider supporting proposals for change to plumbing standards depending on our view of their merit.

GOLD SPONSOR



Selection and Sizing of Copper Tubes for Water Piping Systems by Barrie Smith

Only available as an E-Book from from www.plumbing.org.au simply follow the links to Technical Books through to the shopping cart and pay by PayPal or Credit Card for immediate Download.

Companion Spreadsheet files utilising the E-Book are freely available as an additional download when you complete your shopping cart journey.

SILVER SPONSORS



BRONZE SPONSORS

Galvin Engineering

GWA Bathrooms & Kitchens

Galvins Plumbing Supplies

Vacuum Toilets Australia



WHO Water, Sanitation and Hygiene Strategy - 2018–2025

The [new WASH strategy](#) provides a framework for the direction and role of WHO ‘to substantially improve health through the safe management of water, sanitation and hygiene services in all settings’. It describes how WHO will increase its impact to improve health through WASH and includes details on activities and outputs in eight priority intervention areas. The Strategy is based on an organization-wide discussion on WASH priorities and challenges, including experiences and reflections from both regional and country office levels, and also incorporates the inputs of WHO’s partners.

Drinking Water, Sanitation and Hygiene in Schools - Global Baseline Report 2018

The WHO/UNICEF Joint Monitoring Programme for Water Supply, Sanitation and Hygiene (JMP) has published a global baseline [report on drinking water, sanitation and hygiene in schools](#). According to the report, in 2016 69% of schools globally had a basic drinking water service and 66% had a basic sanitation service, but only 53% had basic hygiene services.

Business Models for Safe Resource Recovery from Waste Energy, Nutrient and Water Reuse in Low- and Middle-income Countries

Humans generate millions of tons of waste every day that is rich in water, nutrients, energy and organic compounds. Yet, waste is not being managed in a way that permits us to safely derive value from its analysis of over 60 case studies. The models were developed in collaboration with sanitation safety planning (SSP) and the WHO guidelines on safe use of wastewater to ensure public health is protected when waste is used.

TrackFin Orientation Workshop in Bangladesh

On 7-8 August, WaterAid, UNICEF, and WHO co-hosted an orientation workshop for TrackFin in Bangladesh. Over 70 participants attended the workshop including participants from government, private sector, NGOs, and international organizations. The purpose of the workshop was to orient stakeholders to the policy objectives of TrackFin and the TrackFin methodology. The workshop was a successful and integral step for building momentum for the first cycle of TrackFin in Bangladesh. TrackFin results from Bangladesh are expected in 2019. Bangladesh is the 15th country to initiate

GLAAS workshop held for 18 countries in Africa

On 7-9 August 2018, IRC and WHO jointly organized an Anglophone workshop to launch the 2018/2019 cycle of the UN-Water Global Analysis and Assessment of Sanitation and Drinking-Water (GLAAS). Over the course of three days, representatives from 18 African countries, the Water Supply and Sanitation Collaborative Council (WSSCC), Sanitation and Water for All (SWA) and WaterAid learned about GLAAS and shared experiences with each other.

Participants developed GLAAS implementation plans and are now starting the GLAAS process in their countries. GLAAS country data collection is until 15 December 2018 and the next GLAAS report is

Please forward this email on to anyone who may be interested in its contents.

Check out the new website of the WHO WASH unit www.who.int/water_sanitation_health

Commenting on Draft Standards:

The Institute is often asked to help members and others make comment to draft standards during the public comment period and it is pleasing to see that Standards Australia have updated their process with download and comment direct from the Standards Australia website.

Another great innovation that was trialled for plumbing standards in the last round of comments was the inclusion of a marked-up copy of the standard showing the changes/inclusions.

To see more go to [Drafts Open for Public Comment](#)

A bit of light relief:

Sometimes it does take a rocket scientist!

Scientists at NASA built a gun specifically to launch standard 4 pound dead chickens at the windshields of airliners, military jets and the space shuttle, all traveling at maximum velocity. The idea is to simulate the frequent incidents of collisions with airborne fowl to test the strength of the windshields.

British engineers heard about the gun and were eager to test it on the windshields of their new high-speed trains. Arrangements were made, and a gun was sent to the British engineers.

When the gun was fired, the engineers stood shocked as the chicken hurled out of the barrel, crashed into the shatterproof shield, smashed it to smithereens, blasted through the control console, snapped the engineer's back-rest in two, and embedded itself in the back wall of the cabin, like an arrow shot from a bow. The horrified brits sent NASA the disastrous results of the experiment, along with the designs of the windshield and begged the U.S. scientists for suggestions.

NASA responded with a one-line memo:

"DEFROST THE CHICKEN FIRST..."

Thanks Franco.

Your input into this Newsletter and other IPA matters is always welcome and in fact sort after. If you are not already a member, why not join and really help us provide a voice for plumbers and plumbing. Simply email the Secretary below or complete the online application at www.plumbing.org.au

Comments on matters raised in E-INSTITUTE or suggestions for future issues are welcome and may be sent to the Editor at:

The Institute of Plumbing Australia Inc.

P O Box 2005

MARMION

Western Australia 6020

FAX: 08 9448 0420

EMAIL: secretary@plumbing.org.au

WEB: www.plumbing.org.au

If you no longer wish to receive these emails, please reply to this message with "Unsubscribe" in the subject line or simply click [unsubscribe](#).