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8th February, 2019

To: Our Customers

AS2220.1 & AS4428.16 STANDARDS CHANGES FOR QE90 EMERGENCY WARNING AND INTERCOM SYSTEM

This correspondence outlines the expected applicability of the Vigilant QE90 Emergency Warning and Intercommunication system to the Australian Standards for Emergency Warning and Intercommunication Systems.

Johnson Controls (formally Tyco Fire Protection Products) provides the attached Bulletin ANZ-D3162 to advise what products are still applicable based on upcoming changes to the Australian standards and whether they may continue to be offered.

With particular reference to our **Vigilant QE90 Emergency Warning and Intercommunication System**, this product is not obsolete and will continue to be available for a number of years to support our Australian and New Zealand customers including installation contractors, service providers, consultants, facility managers, building and property owners.

If you require further information on our QE90 or ActivFire-listed AS4428.16 T-Gen2 Grade 1, Grade 2, or Grade 3 solutions please contact Johnson Controls Customer Service, Australia Tel: 1300 725 688 / NZ Tel: +64 9 635 0617 or myself.

Yours Sincerely,

A handwritten signature in black ink, appearing to read 'Joe Briganti', written over a large, stylized flourish.

Joe Briganti
National Sales Manager – Detection ANZ

BULLETIN NO. ANZ-D3162**DATE: 8 February 2019****SUBJECT: AS2220.1 & AS4428.16 STANDARDS CHANGES FOR QE90
EMERGENCY WARNING AND INTERCOM SYSTEM**

This bulletin outlines the recent changes to the Standards for EWIS and the applicability of the Vigilant QE90 to these Standards.

The National Construction Code (NCC) that will come into effect in May 2019 will call up AS 1670.4:2018 for the design and installation of Emergency Warning and Intercom Systems (EWIS) in certain classes of buildings.

AS 1670.4:2018, and the earlier 2015 version, specify that the Emergency Warning CIE (EWCIE) needs to conform to one of these Standards:

- AS 2220.1
- AS 60849
- AS 4428.16

And that the Emergency Intercom CIE (EICIE) needs to conform to one of:

- AS 2220.1
- AS 4428.4

It is expected that the NCC to be effective from May 2022 will reference a newer version of AS 1670.4, which will list only AS 4428.16 as an acceptable standard for EWCIE, thus excluding products conforming to AS 2220.1 or AS 60849.

Therefore new building projects registered after May 2022 will need to utilize EWCIE conforming to AS 4428.16. It is anticipated that by then there will be revised a version of AS 4428.16 with a few technical improvements, but essentially the same in operation, as the 2015 issue.

The Vigilant QE90 Emergency Warning and Intercommunications System, which conforms to AS 2220.1, can continue to be used in new building projects up to and beyond May 2022, provided the development application (DA) was approved prior to May 2022 (subject to variation in local regulations). Only those projects approved after May 2022 will need to use an EWCIE to AS 4428.16.

The Vigilant QE90 was first released in 1992, but since then it has been enhanced and updated to keep up with features and technology. New capabilities, such as IP networking over fibre-optic cables have been added to enhance QE90 and make it suitable for a wide range of applications. It continues to be the leading EWIS product on the market.

Johnson Controls expects to continue selling the QE90 to 2022 and beyond to meet demand for new or existing systems. Johnson Controls will also supply QE90 spare parts for a minimum of 7 years after production of the QE90 panels cease.

Also, Johnson Controls is investing in the development of a new version of QE90 that will conform to AS4428.16 and be backwards compatible with existing QE90 networks, ensuring that QE90 customers have an upgrade and expansion path well into the future.

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The new AS4428.16 QE90 system is being designed with ease of use in mind, so customers can operate both the old and new systems simultaneously. Features such as use of distinctive coloured controls that easily identify each function will be retained in the next generation product. This approach has been tested over many years and ensures quick and efficient operation in an emergency situation, unlike the use of a single LCD for all controls which is allowable under AS4428.16.

For customers who wish to take advantage of an ActivFire-listed AS4428.16 solution today, Johnson Controls is pleased to offer the Vigilant® T-Gen2 Emergency Warning System. The T-Gen2 is listed as a Grade 1, Grade 2 or Grade 3 solution (refer ActivFire Certificate of Conformity afp-3315) that can be installed as part of a fire detection and alarm system or as a standalone Emergency Warning System. The Grade 2 and Grade 1 systems are capable of controlling up to 20 emergency zones and utilize cost-saving 100V Switching Modules that enable each amplifier to operate up to four (4) separate emergency zones. Refer to Marketing Bulletin ANZ-D3160 for more information.

Common Questions and Answers.

Q *When is it mandatory to install an EWCIE conforming to AS4428.16?*

A Only new building projects registered after May 2022 need to use an AS4428.16 based system.

Q *Can I install an EWCIE conforming to AS2220.1 today?*

A Yes. You can install an AS2220.1 EWCIE as a part of a compliant EWIS up to May 2022 and beyond if the building project was registered before then.

Q *Is the QE90 product range obsolete?*

A No. The QE90 is not obsolete and is expected to continue selling to 2022 and beyond to meet demand for new or existing systems.

Q *Will my existing QE90 network be supported in the future after the change to AS4428.16?*

A Yes. Johnson Controls is working on an AS4428.16 solution that will be backwards compatible with existing QE90 networks, ensuring QE90 customers have an upgrade and expansion path well into the future.

Q *Will spare parts be available for the QE90 in the future?*

A Yes, Johnson Controls will be supplying QE90 spare parts for a minimum of 7 years after production of panels ceases.

Q *What if I want to install an AS4428.16 solution today?*

A Johnson Controls can offer the ActivFire-listed (afp-3315) T-Gen2 Grade1, Grade2 or Grade 3 system today.

If you require further information on our QE90 or ActivFire-listed AS4428.16 T-Gen2 Grade 1, Grade 2, or Grade 3 solutions please contact Johnson Controls Customer Service, Australia Tel: 1300 725 688 / NZ Tel: +64 9 635 0617 or email fdp.customerservice.anz@jci.com.

For technical support, contact Johnson Controls Australian Technical Support Centre on 1300 552 559, or Craig Barnett +64 27 220 8048 for New Zealand.