



News Release

Contact:

Tom Williams

(804) 515-1506

thomas.n.williams@honeywell.com

The ASM[®] Consortium Releases a 2nd Edition of Its HMI Design Guidelines

Richmond, Dec 1, 2013 – The Abnormal Situation Management (ASM[®]) Consortium has released a 2nd edition of its display design guidelines under the new name “*Effective Console Operator HMI Design Practices*”. This best practices guidelines book is based on the ASM Consortium’s many years of research in the prevention, mitigation, and management of abnormal situations. *Effective Console Operator HMI Design Practices* is written for individuals who establish or assist in establishing company HMI standards, style guides, and information displays accessed by console operators through their control system workstations. This audience includes individuals from both manufacturing and vendor companies that deliver solutions for console operator workstations.

The ASM Consortium revised the display design guidelines after a span of 5 years, following its first ‘Effective Operator Display Design Guidelines’ published in 2008. The 2nd edition is revised based on the ASM Consortium’s user members’ current best practices, recommendation from recent ASM Consortium research, feedback from display design experts, and technology advances in the area of Human Machine Interface (HMI).

The new edition has revised and consolidated the number of guidelines to a total of 64, compared to 81 guidelines in the previous edition, and more than 50% of the guidelines are revised. In addition, the new edition contains a new section on HMI design philosophy and a new appendix summarizing results from an HMI design case study. New display design examples are included in the new guidelines book, including 28 new figures and 43 revised figures, for the benefit of HMI design engineers.

The guidelines can be purchased from Amazon ([Link](#)) and CreateSpace ([Link](#)). For more information about future ASM Consortium research publications and for general information about the ASM Consortium, please visit www.asmconsortium.org.

Background on the ASM Consortium

The ASM Consortium was founded in 1994 to address industry concerns about the high cost of plant incidents such as unplanned shutdowns, fires, explosions, and emissions that result from a failure to mitigate abnormal situations. An US government NIST grant enabled the consortium to spend several years researching and developing advanced solution concepts to address the problems of abnormal situation management. Since then, members have continued the research and increasing effort has been put into development and deployment of practical ASM solutions that facilitate the prevention and response to abnormal situations.



The ASM Consortium is a research and development organization with emphasis on collaboration and information-sharing. By working together, members achieve far more than they could working alone. Research results are published for members, and on occasion shared by means of peer-reviewed papers, webinars, seminars, and workshops. User members also guide Honeywell in selection and development of product solutions that incorporate ASM knowledge. Non-members can benefit from ASM Research through the [ASM Effective Practices Guidelines](#) for Alarm Management, Console Operator HMI Design and Procedural Practices, which are available for purchase on Amazon.com.

ASM® and Abnormal Situation Management® are registered trademarks of Honeywell International Inc.