



ISA standards committee ISA104 for Electronic Device Description Language (EDDL) has a comprehensive program for attendees at ISA EXPO 2007 in Houston, Texas, USA, 2-4 October 2007. In addition to a committee working session, there is an exhibit, tutorial session, and briefing.

Exhibit

Visit the ISA104 exhibit and see the EDDL standard in action in booth #1356 in the Bus Station area on the exhibit floor. Take this unique opportunity to speak to ISA104 experts about how EDDL was applied in the plant in the past and in the future and how it is applicable in tasks from commissioning, configuration, operations, calibration and maintenance, as well as troubleshooting. See the latest enhancements to EDDL technology in the live demo of multi-vendor interoperability with HART, FOUNDATION fieldbus, and PROFIBUS communication. See new advanced setup and diagnostics, rich intuitive graphics, different tools, document access, and online help etc. Learn about the results the new enhancements to the technology can have on your plant and how it can help you personally while at the same time retaining valued characteristics such as staying clear of operating system upgrades. Also manufacturers of HART, FOUNDATION fieldbus, and PROFIBUS protocol devices can learn how to migrate their old DD to the new enhanced EDDL to make them easier to use.

Tutorial Session

A comprehensive tutorial session entitled "*Keeping Systems and Communicators Up-to-date using EDDL*" covers History, How EDDL Technology Works, Benefits of Approach, Recent EDDL Advancements – Examples, Updating Systems and Communicators, and Live Demonstration. The tutorial is a general overview of EDDL but has particular emphasis on the ease of updating device management systems and handheld tools with support for new devices thus keeping them "evergreen" - one of the major advantages of EDDL technology and key to the long-term viability of this solution. Take this unique opportunity to ask questions about EDDL to the ISA104 committee's foremost experts.

October 2, 4:00 p.m.– 5:30 p.m.
Room 206

Speakers

- Ludwig Winkel, SP104 ViceChairman, Siemens, Karlsruhe, Germany
- Christian Diedrich, SP104 Certification Lead, Ifak, Magdeburg, Germany
- Jonas Berge , SP104 Training Lead, Emerson Process Management, Singapore
- Terry Blevins, SP104 Chairman, Emerson Process Management, Austin, Texas

Abstract:

Modern control systems as well as Device Management software and field communicators use electronic device descriptions, EDD, to define the interface and supported interactions with field devices for configuration, diagnostics and calibration. Over the long life of plants, new device types and versions keep getting added as part of replacements and modifications. Thus, these systems and maintenance tools must accommodate many new types, each generation also providing new features. For example, more than 1000 EDD's are currently available from 85 different vendors. Also, many manufacturers are currently updating their device descriptions to take advantage of the visual enhancements recently introduced into the IEC61804-3 standard, Electronic Device Description Language (EDDL). Therefore, to achieve the best results, the latest electronic device descriptions should be used with your HART devices and Profibus and Foundation fieldbus devices. In this Tutorial session, we will provide some background information on EDDL and how it compares to other technologies, such as FDT/DTM, in terms of device maintenance, support for configuration and on-line use, and manufacturer support. An update will be provided on the features recently added to IEC61804-3 and how ISA SP104 is working to adopt this technology as an ISA/ANSI standard. Also, information will be provide on how the latest EDD's may be downloaded from the Internet, and used to update your maintenance tools or system engineering station keeping them current with the latest devices as

they are introduced in your plant. The ease with which these tools may be updated to utilize latest device definitions will be demonstrated in this session.

Briefing in Wireless & Networking Exchange Theater

The presentation entitled "*EDDL-IEC 61804 and ISA104—Standards Advancing Interoperability of Control Systems Devices*" will detail the valuable role that the EDDL standard plays in the process industry. Some background information will be presented on EDDL and how it has been adopted as **the** IEC and ISA/ANSI standard for integrating intelligent field devices with systems. The benefits of EDDL technology being structured independent of the operating system or control system platform will be highlighted in this presentation. Examples will be used to illustrate how manufacturers are using EDDL to create a rich intuitive graphic environment with a common look and feel across applications.

Thursday 4 October 11:00 – 11:30 am
Booth #2070

Speaker

•Terry Blevins, ISA104 Chairman, Emerson Process Management, Austin, Texas