



SPED Newsletter

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Society of Piping Engineers and Designers
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Edition 2 of Plant Design Data Standard Out for Review

The ISO Committee Draft Ballot for

ISO 10303-227 Edition 2 Application Protocol: Plant spatial configuration

is now out for review. Edition 2 of AP 227 supports:

pipe shop fabrication, inspection, and installation
HVAC system design and installation
piping and HVAC flow analysis
piping stress and flexibility analysis
cableway spatial layout and installation
ship piping, HVAC and cableway system design
and installation.

The changes should significantly extend this STEP standard, designer for use in CAD systems and other software.

The U.S. TAG has requested that the IPO conduct a technical review and submit comments. Comments are due by May 20, 2003. For a copy of this document, please contact the TAG Administrator at:

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ABB Hosts 2003 Plant Layout Class

ABB Lumus Global is hosting the 2003 offering of the SPED Process Plant Layout and Piping Design Course. The Plant Layout Course is the most unique course in the piping industry. It has 66 contact hours packed with hard-to-find information and personal experience, delivered by the leading experts in plant layout. This



Plant Layout Instructor Wayne Dolbec (Technip) Explains Equipment Spacing

course, offered only in Houston, has been attended by well over 1,000 people.

Because of the cost and logistics involved, SPED plans to offer this course just once this year. SPED gratefully acknowledges the support of ABB Lummus Global who is providing the classroom space.

For those who cannot attend this industry standard course, VHS video tapes and Video CDs are available. Prices start at \$4,000 per set of 33 tapes or VCDs.

For course schedule and enrollment information, contact Nan Bentz at (713) 661-6578.

SPED PDS I Class Starts

The first class in the SPED PDS series has begun. The PDS Courses are similar in content to the PDS classes offered by Intergraph in Huntsville, AL, but are more convenient and less expensive for Houston's working piping designer. Classes are taught in the SPED PDS Lab at the University of Houston, Downtown.



SPED PDS Instructor John Salas (Kellogg Brown and Root) provides personal help.

Each PDS class (I, II, and III) is 36 contact hours taught by an experienced industrial pipe designer and PDS trainer. It is loaded with time-saving tips and shortcuts designed to make students productive on the next job and features hands-on example problems typical of real designs.

Because of the cost and logistics involved, SPED plans to offer these courses just twice per year

(Spring and Fall). The course are supported by Intergraph Corporation through the use of their PDS software in these courses and the University of Houston who is providing the classroom space.



The SPED Supported PDS Lab at University of Houston, Downtown.

The cost of these courses is scheduled to increase in April. Before April 1, 2003 the cost for these courses is only \$700.00 for SPED individual members or employees of corporate members and \$800.00 for nonmembers, registration in advance. After April 1, the cost is \$995 and \$1195, respectively. Registration includes all course materials. Payment in full is required at registration.

Contact Nan Bentz at (713) 661-6578 for enrollment information.

Aker Kvaerner to Host B31.3 Class

Aker Kverner will host the May-June '03 offering of SPED's ASME B31.3 class. The class is a locally taught, reasonably priced review of the ASME B31.3 Process Piping Code. Kverner will host the class at their Houston office at 7909 Parkwood Circle.

The course is recommended for all practicing piping design and piping analytical personnel. It is also an excellent course for supervisory personnel requiring a review of current design and analysis techniques.

The course is taught by Glynn E. Woods, P.E. Mr. Woods is a Senior Piping Engineer with more than 20 years experience in the field of piping design, stress, supports, and failure analysis as well as piping component design, analysis and testing. Mr. Woods is a member of the ASME B31.3 Mechanical Design Committee.

The course covers such topics as:

- Piping Code History, Basic Philosophy and Organization
- Piping Design Criteria: Design conditions, design loads (pressure, gravity, thermal, seismic, wind, vibration, hydraulic, anchor movement), failure modes, primary and secondary stress categories, load categorization, allowable stresses
- Pressure Design: Wall thickness calculations, area replacement, pressure-temperature ratings
- External Loads Design: Flexibility, fatigue, stress intensification, combined load, simplified analysis methods.
- Pipe Support Design: support types, assumptions, load combinations, variable supports, lugs and attachments
- Systems Piping, Pressure Relief Piping, Hazardous Material Piping
- Materials, Fabrication, Examination, Inspection and Testing
- Questions and Answers

Classes Begin May 13 and meet through June 12 for a total of 28 contact hours. A certificate is awarded for successful completion of the course

Cost: \$995 for SPED members or employees of corporate members of SPED and \$1,195 for nonmembers. Includes course textbook, CASTI Guidebook to ASME B31.3 - Process Piping, by Glynn E. Woods and Roy B. Baguley. For enrollment call Nan Bentz 713-661-6578

***SPED Endorses Conference Program:
PlantSuccess 2003 -- Members to Get
10% Discount***

The Society of Piping Engineers and Designers (SPED) Board of Directors unanimously approved a resolution endorsing the upcoming PlantSuccess Conferences in Clear Lake, TX and Philadelphia, PA. "We are delighted to continue

our support of this fine program series and encourage our members to attend," said Dr. William G. Beazley, Executive Director of SPED. "Several members of the board had attended the program in Clear Lake and other cities and highly recommended it."

PlantSuccess has enjoyed tremendous success over the last four years by focusing on technologies that help the owner-operator in the process industry, including the plant manager. PlantSuccess features two regional programs this year:

April 9–10, 2003 PlantSuccess 2003 Gulf Coast - Hilton Houston NASA Clear Lake
October 15–16, 2003 PlantSuccess 2003 Northeast--Philadelphia Airport Marriott

The Clear Lake location is particularly convenient to the Houston area petrochemical industry.

The SPED Board has negotiated a 10 percent discount on registration for its members. Call Carl Howk at 770-565-3282 for a registration code.

SPED (Society of Piping Engineers and Designers) is a non-profit educational society who sponsors training and professional advancement for piping engineers and designers. It is widely known for its Plant Layout course, offered live in Houston and by videotape worldwide. It has also established a website, WWW.SPEDWEB.COM, which provides news, information and job listings for its members.

For more information on SPED, contact:
Dr. William G. Beazley, Executive Director
TEL: 713-221-8224
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<spedexec@spedweb.com>

For more information and to register go to www.PlantSuccess.com. For other information on PlantSuccess, contact:
Carl Howk, Chairman
PlantSuccess, LLC
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About SPED

The Society of Piping Engineers and Designers (SPED) is only professional organization devoted exclusively to the betterment of Plant Design Professionals. It advances the profession through publications, training and other professional development activities.

This publication is mailed free of charge to all SPED members. Annual individual membership dues are \$35 for professionals, and \$20 for full time students. Corporate memberships for companies with fewer than 75 employees are \$300 per year (includes 3 individual memberships). Corporate memberships for companies with 75 or more employees are \$500 per year (includes eight individual memberships).

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