Symposium: “Consequences of IEC 61511 / IEC 61508 in the Process Industry”

Collaboration of users, vendors and contractors to achieve cost effective safety instrumentation solutions.

by NAMUR, BASF, Infraserv, DOW, exida, VDE-Seminare

An initiative of NAMUR and DECHEMA, represented by the operating companies BASF, DOW, Infraserv and the consulting company exida.com will held a two day symposium on the aspect of the application of safety instrumented systems in process plants at the **ACHEMA tradeshow** at **May 21 and 22, 2003**. The symposium will be organised by VDE-Seminare, contact Mr. Rompe.

The targeted audience is the chemical and petrochemical process industry and power utilities. We would like to make the symposium also very interesting for people from the production industry – in particular car industry. We expect 70 to 100 participants. We would appreciate if your company could send the invitation to your business partners and customer base.

Objective of the symposium is to show examples of the collaboration of users, vendors and consultants / contractors to achieve cost-effective and safe plant solutions. The symposium shall contribute to the mutual understanding of users, consultants / contractors and vendors for systems and services in the area of safety instrumentation in the process and production industry. To achieve this objective, each vendor and consultant / contractor presentation will be given in the combination with a user.

To give the program committee, Dr. Adam (BASF), Mr. Bezecny (DOW), Mr. Faller (exida), Dr. Netter (Infraserv), the opportunity to see and share your presentations, we would like to receive your draft presentation not later then April 11, 2003 and the final presentation handout to be provide to the participants at the symposium in paper and electronic format (CDROM) not later then May. 1, 2003, both in electronic format.

We will also offer your company the possibility to present your safety systems and field instruments at a booth right outside of the presentation hall during both days of the symposium.

We hope you see this symposium as an excellent possibility to present your most recent achievements not only in terms of products but also in terms of services.

Agenda

Wednesday, 21.05.2003: End-User View

9:00 – 9:15	Registration & Coffee
9:15 – 10:00	**Introduction and Welcome** **"IEC 61511 and its consequences at BASF worldwide"** Dr. G. Adam, BASF, Germany
10:00 – 10:45	**Key Note** **"Determination of the Safety Integrity Level"** B. Black, Consultant, Member of the IEC committee, UK
10:45 – 11:15	Coffee break
11:15 – 12:30	**Session: Application of the IEC Standards**
11:15 – 11:50	**NE 93: Approach of NAMUR regarding the quantitative requirements of IEC 61511** Dr. P. Netter, Infraserv / Prof. Litz, University Kaiserslautern, Germany
11:50 – 12:30	**Application related results of the IEC 61508 evaluation of Safety-PLC** A. Beer, TÜV Süddeutschland, Germany
12:30 – 13:30	Lunch
13:30 – 14:50	**Session: Evaluation of PES applications**
13:30 – 14:10	**Incorrect use of safety components – Examples** U. Hug, Infraserv, Germany
14:10 – 14:50	**Software engineering for safety-related Safety-PLC applications** D. Hablawetz, BASF, Germany
14:50 – 15:20	Coffee break
15:20 – 17:30	**Session: Benefits of the probabilistic approach of IEC 61511**
15:20 – 16:00	**Flexible determination of proof test intervals for safety instrumented systems** Mr. Perico Cortes, BAYER, Germany
16:00 – 16:40	**Optimized proof test intervals by focused online diagnostics – an approach related to practice** D. Hablawetz, BASF, Germany
16:40 – 17:30	**Extension of the proof test interval – Practical application at a batch reactor** B. Fiegenschuh, Degussa Peroxid / R. Faller, exida, Germany
17:30	**Social event**

Thursday, 22.05.2003: Design and Application of Safety Instrumented Systems

8:30 - 8:50	Registration & Coffee
8:50 - 9:00	**Welcome** R. Faller, exida.com, Germany
9:00 – 10:20	**Session: Hazard & risk analysis and safety function design**
9:00 – 9:40	**How to define the safety instrumented functions** Jan Wiegerinck, SHELL Global Solutions, The Netherlands
9:40 – 10:20	**Application of the layer of protection analysis at DOW Chemical** H. Bezecny, DOW Chemical, Germany
10:20 – 10:50	Coffee break
10:50 – 16:30	**Session: Application design with safety systems**
10:50 – 11:40	**Using smart positioners to predict the health and reduce the PFD on on-off shutdown valve** R. Ali and A. Pruysen, Emerson Process Management / Jan Wiegerinck, SHELL Global Solutions, The Netherlands
11:40 – 12:30	**Development and application of the new safety system AC800** K.-O. Vetland, ABB, Norway / A. Shepense, DOW, The Netherlands
12:30 – 13:20	Lunch
13:20 – 14:00	**Safety application engineered with S7-400FH** Bernard Mysliwiec, Siemens / N. Matalla, BASF, Germany
14:00 – 14:40	**Experience with field instruments in safety applications** Mr. Gutmann, E&H / Mr. Kloska, BASF, Germany
14:40 – 15:10	Coffee break
15:10 – 15:50	**Innovative safety concepts in pressure and temperature transmitters including different possibilities for assessments** S. Langner, Emerson Process Management / J. Neumann, TÜV IT / R. Faller, exida, Germany
15:50 – 16:30	**NE97: Application of safety field busses** Dr. W. Stripf, PNO / U. Hug, NAMUR, Germany
16:30	**Closing**