



IEC Standards for Power Systems –
 Generation, Transmission, Distribution, ... Design, Bidding, Engineering,
 Automation, Monitoring, Information Management, Maintenance, ...



Comprehensive Seminars and Training

You'll get up-to-date, first-hand & neutral, **vendor independent** knowledge, experience, Do's and Don't's and guidance from the editors of standards ... the fastest start in application and implementation of traditional and advanced information and communication systems.

Communication for RTUs	<ul style="list-style-type: none"> • IEC 60870-5-101 and -104 • IEC 61850, IEC 61400-25 	<ul style="list-style-type: none"> • Modbus • DNP3
Communication for Protection	<ul style="list-style-type: none"> • IEC 60870-5-103 • DNP3 	<ul style="list-style-type: none"> • Modbus • Profibus
IEC 61850 IEC 61400-25	<ul style="list-style-type: none"> • Basic Knowledge of IEC 61850 • Advanced Knowledge of IEC 61850 • IEC 61850 for substation automation • System design aspects • IED design and engineering aspects • IEC 61850 and MMS communication 	<ul style="list-style-type: none"> • Power generation • Communication outside substation • System level applications • Products and projects • Conformance and interoperability requirements
Control center information and communication	<ul style="list-style-type: none"> • IEC 61970 CIM • IEC 61968 	
Inter-control Center Communication (IEC 60870-6-TASE.2; ICCP)	<ul style="list-style-type: none"> • Basics • Services and protocol • Examples 	
MMS (Manufacturing Message Specification, ISO 9506)	<ul style="list-style-type: none"> • Basics • Services and protocol • ASN.1 and BER 	<ul style="list-style-type: none"> • Hands-on • MMS in IEC 61850 and IEC 61400-25 • MMS in IEC 60870-6 TASE.2 (ICCP)
Fieldbus	<ul style="list-style-type: none"> • IEC 61158, EN 50170, Profibus DP PA FMS ..., ProfiNet, CAN in Automation, PowerLink, EtherCat 	

Public Seminars and Training on IEC 61850:

14.-15. April 2008	Frankfurt (Germany)
03.-04. July 2008	Atlanta, GA (USA)
07.-08. July 2008	Chicago, IL (USA)
10.-11. July 2008	Los Angeles, CA (USA)
21.-22. August 2008	Paris (France) <i>prior to CIGRE conference</i>

more than 1,000 experts
 from more than 350 companies
 from more than 50 countries
 educated

Details and Registration: <http://www.nettedautomation.com/seminars/uca/sem.html>

Other subjects, locations and dates for public and in-house training courses need be negotiated according to your requirements. Please contact us.



... we bring Standards, People, Tools,
 Devices and Systems together!

