

# IEC/SC45A

## Instrumentation and control for nuclear facilities

J.P. BOUARD IEC/SC45A Secretary

International Conference on Opportunities and Challenge for Water Cooled  
Reactors in the 21<sup>st</sup> Century  
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**Panel discussion “Advanced Monitoring and Diagnostic  
Technologies in NPP’s**

# IEC at international level ...

- ❖ One of the oldest international standard body (1906), 67 countries, In the world: 80% population, 95% electrical energy, 50% trade
- ❖ ISO/IEC agreement
- ❖ WTO, TBT agreement recognising ISO/IEC standards
- ❖ IEC/IAEA agreement
- ❖ IEC/CENELEC agreement
- ❖ IEC/IEEE agreement
- ❖ IEC/OECD-MDEP collaboration



# Already on the road of global harmonized industrial standards ...

- ❖ IEC/SC45A standards compliant with the IAEA safety principles and terminology
- ❖ 7 projects of publication of IEC/IEEE documents currently going on in IEC/SC45A
- ❖ Harmonization supported by the OECD/MDEP (10 regulators involved in new reactor design reviews)
- ❖ 7 IEC/SC45A standards published in 30 European countries as national standards in the coming months