



GLOBAL STANDARD SETTING 2007
An Interactive Discussion



Developing Global Standards

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IEEE – A Global Organization

- IEEE: world's largest professional organization
 - Independent and non-profit
 - Vision to advance global prosperity
 - Emphasis on technical innovation
- Members drive the IEEE's work
 - 367,000 members in 150+ countries
 - 67% have a post-graduate degree, 29% have PhD
 - 50% from industry, 20% from academia, 10% from government
 - 68% from Americas, 17% from Asia, 15% from EMEA

IEEE Standards Are Pervasive

- ❑ Aerospace Electronics
- ❑ Bioinformatics
- ❑ Broadband Over Power Line
- ❑ Broadcast Technology
- ❑ Electromagnetic Compatibility & Safety
- ❑ Information Technology
- ❑ Medical Device Communications
- ❑ Nanotechnology
- ❑ National Electrical Safety Code
- ❑ Organic Components
- ❑ Portable Battery Technology
- ❑ Power Electronics
- ❑ Power & Energy
- ❑ Radiation/Nuclear
- ❑ Reliability
- ❑ Transportation Technology

- *115 year history of IEEE standards development*
- *900 active standards*
- *400 projects in progress*
- *15 000 volunteers*

IEEE Standardization: Emphasis on technical excellence

- ❑ IEEE Standards Association (IEEE-SA) together with IEEE's 44 technical Societies and Councils
 - Sponsorship
 - Participation (individual and corporate balloting methods)
- ❑ IEEE works with consortia to develop standards
 - Ability to bring specifications from consortia into the IEEE-SA
 - Support and services for consortia through IEEE-ISTO
- ❑ Track record of global adoption and international cooperation
 - Many IEEE standards adopted globally (e.g., Ethernet)
 - 30% of IEC library based on IEEE standards
 - 25 years of adoption of IEEE standards by JTC1
 - Sector Member of ITU-T and ITU-R
- ❑ Programs to encourage globally diverse participation
 - Outreach programs
 - Increasingly diverse meeting locations

Summary

- ❑ IEEE involves 15,000 experts to develop standards that have a reputation for technical excellence
- ❑ IEEE collaborates with consortia and standards developing organizations worldwide
- ❑ IEEE works actively to encourage globally diverse participation in standards development
- ❑ For more information on IEEE-SA global programs
 - Visit <http://standards.ieee.org>
 - Contact Terry deCourcelle (t.decourcelle@ieee.org)