



International Accreditation Challenges

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ABET Executive Director

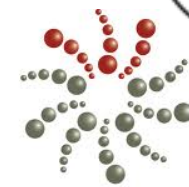
22 October 2013



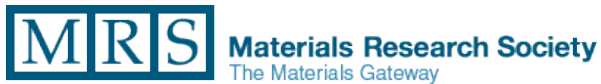
National Institute of Ceramic Engineers (NICE)



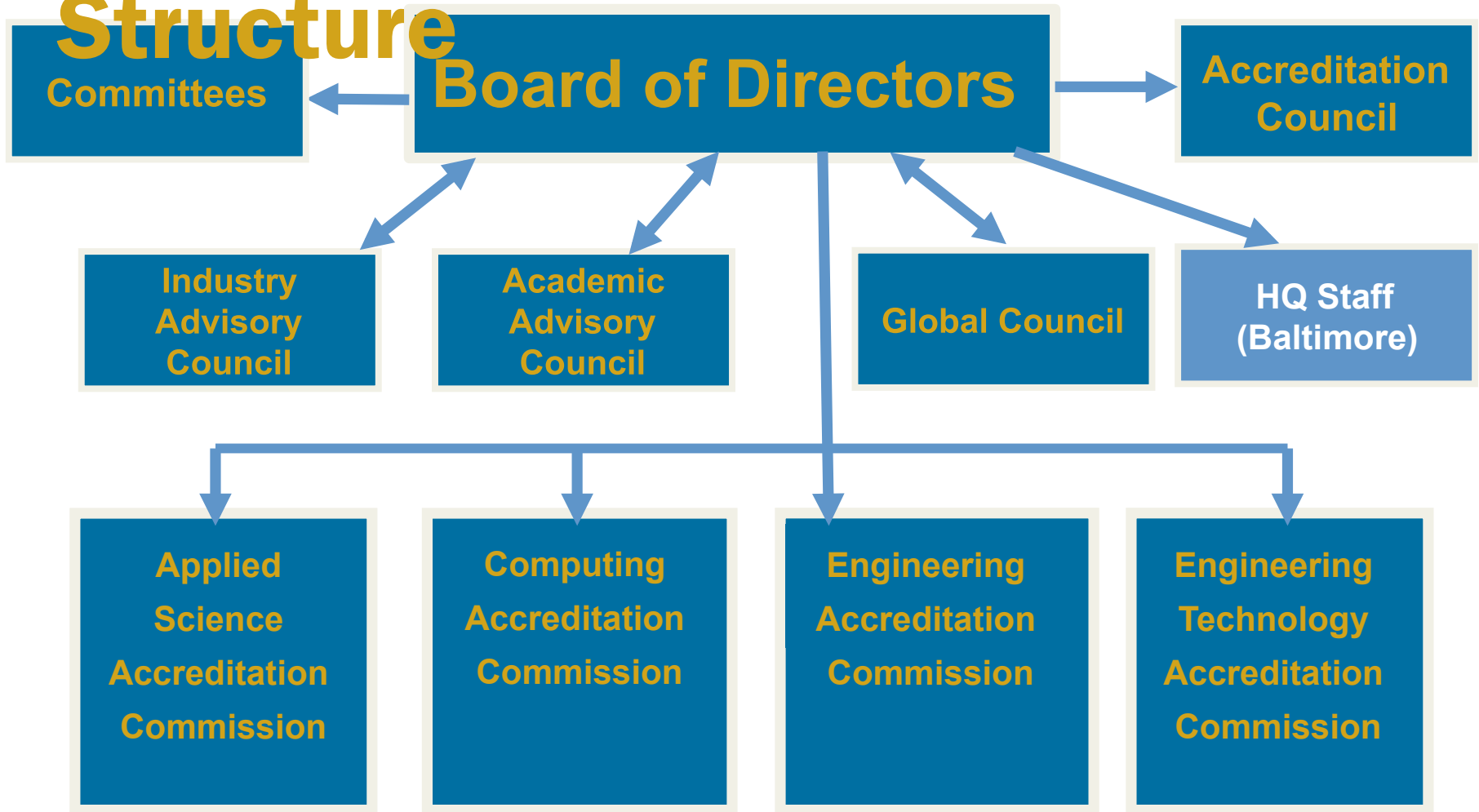
ABET's 33 Member Societies



National Society of Professional Engineers®



ABET Organizational Structure



Volunteer-Driven: 2,200+ Volunteers

Why a Global Focus for Accreditation?

- Global Education
 - International Students
 - Global Institutions
 - Growth of (global) Distance Learning
- Global Business
 - Global technical professionals
- Developing Nations & Economies
 - Rapid growth in technical capacity building
- Global Challenges



Global Challenges

Environment



World Population



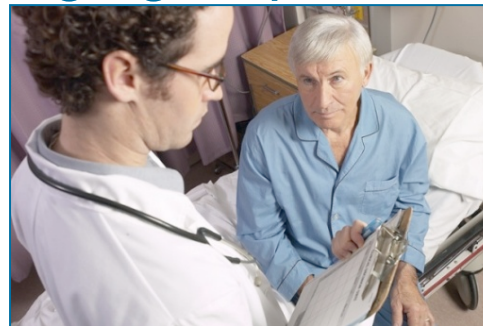
Clean Water



Conflict



Aging Population



Energy



Global Technical Professionals

- Requires unique attributes and skills
 - Work anywhere, with anyone
 - Appreciation for and ability to function in multicultural environment



Global Professional Skill Set

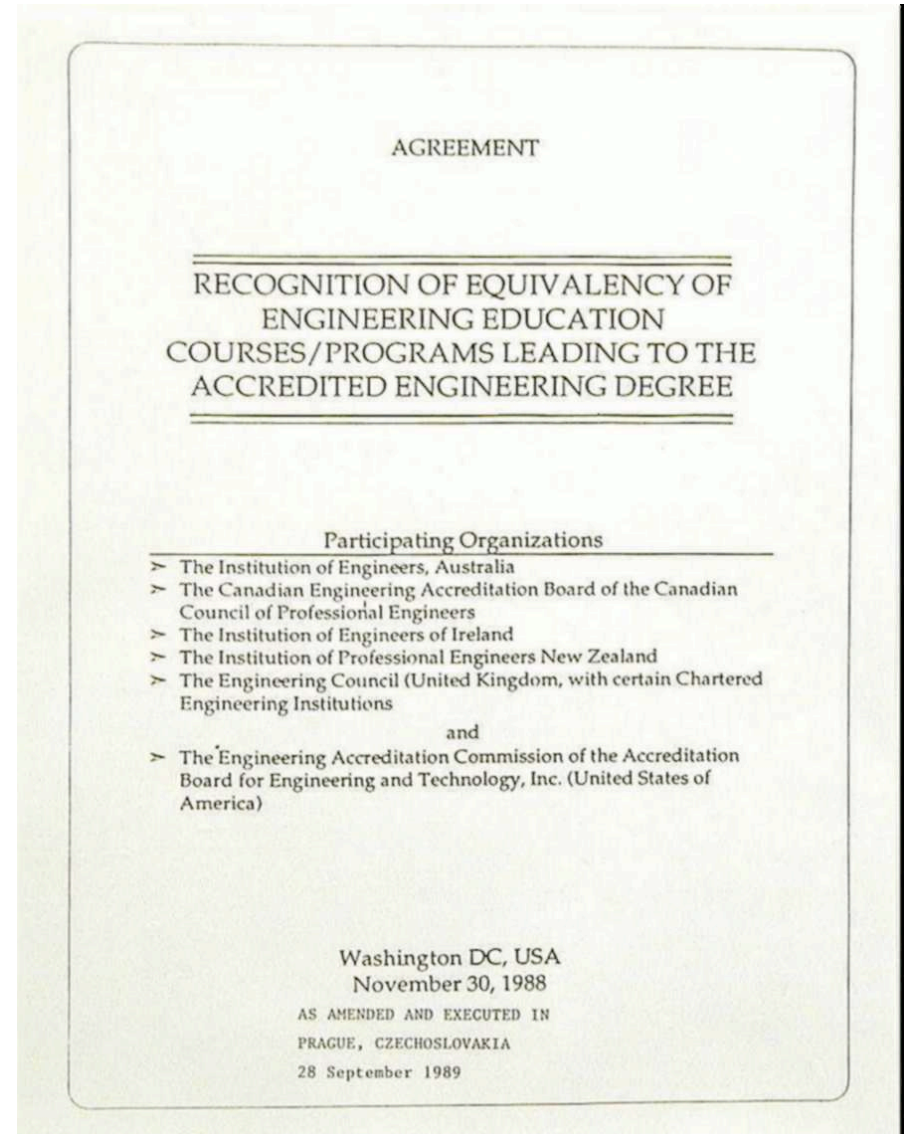
- Requires unique attributes and skills
 - Language, history, cultural sensitivity, and curiosity
 - Understand impact of solutions in global context
 - Ability to reinvent oneself multiple times over a lifetime in response to changing environment, technology and global needs
- Graduate Attributes



Washington Accord

Graduate Attributes

- Engineering Knowledge
- Problem Analysis
- Design/Development of Solutions
- Investigation & Experimentation
- Modern Tool Usage
- The Engineer and Society
- Environment and Sustainability
- Ethics
- Individual and Teamwork
- Communication
- Project Management and Finance
- Lifelong Learning



ABET is Engaged Globally

Consistent with ABET's Mission & Vision

- Assistance: MOUs with 15 national agencies
- Mutual Recognition Agreements
 - Engineers Canada
 - International Engineering Alliance (IEA)
 - Washington, Sydney, Dublin Accords
 - Seoul Accord: Computing
- Accreditation
 - 365 programs at 72 institutions in 23 countries
- Membership in Global Organizations
 - GEDC, IFEES



Future Challenges



Education & Accreditation

Education is *CHANGING*

How do we adjust?

Non-traditional
students

Diversity of student
population

Globalization of
the workforce

“Density” of
academic programs



Students are
changing: Gen X,
Gen Y, Gen Z

Explosion of
distance learning:
online education

The Internet:
a tool for learning

Students are *Changing*

- Digital Natives (Gen Z)
 - Born between mid-1990s and end of 2000s
- Lifelong users of
 - Internet
 - Text messaging
 - MP3 players
 - Cell phones/smart phones
 - Electronic tablets
 - *YouTube, Facebook, etc.*
- Educational experience:
What is **their** expectation?

