

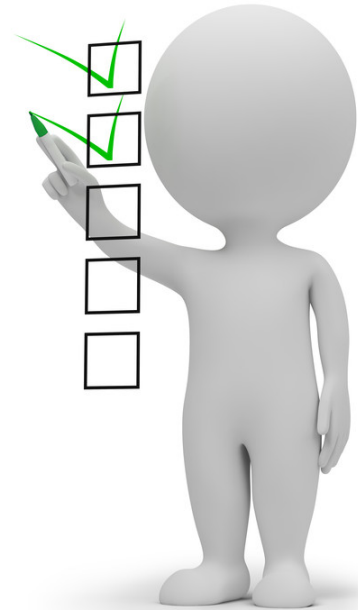
Board Orientation II

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September 26, 2017

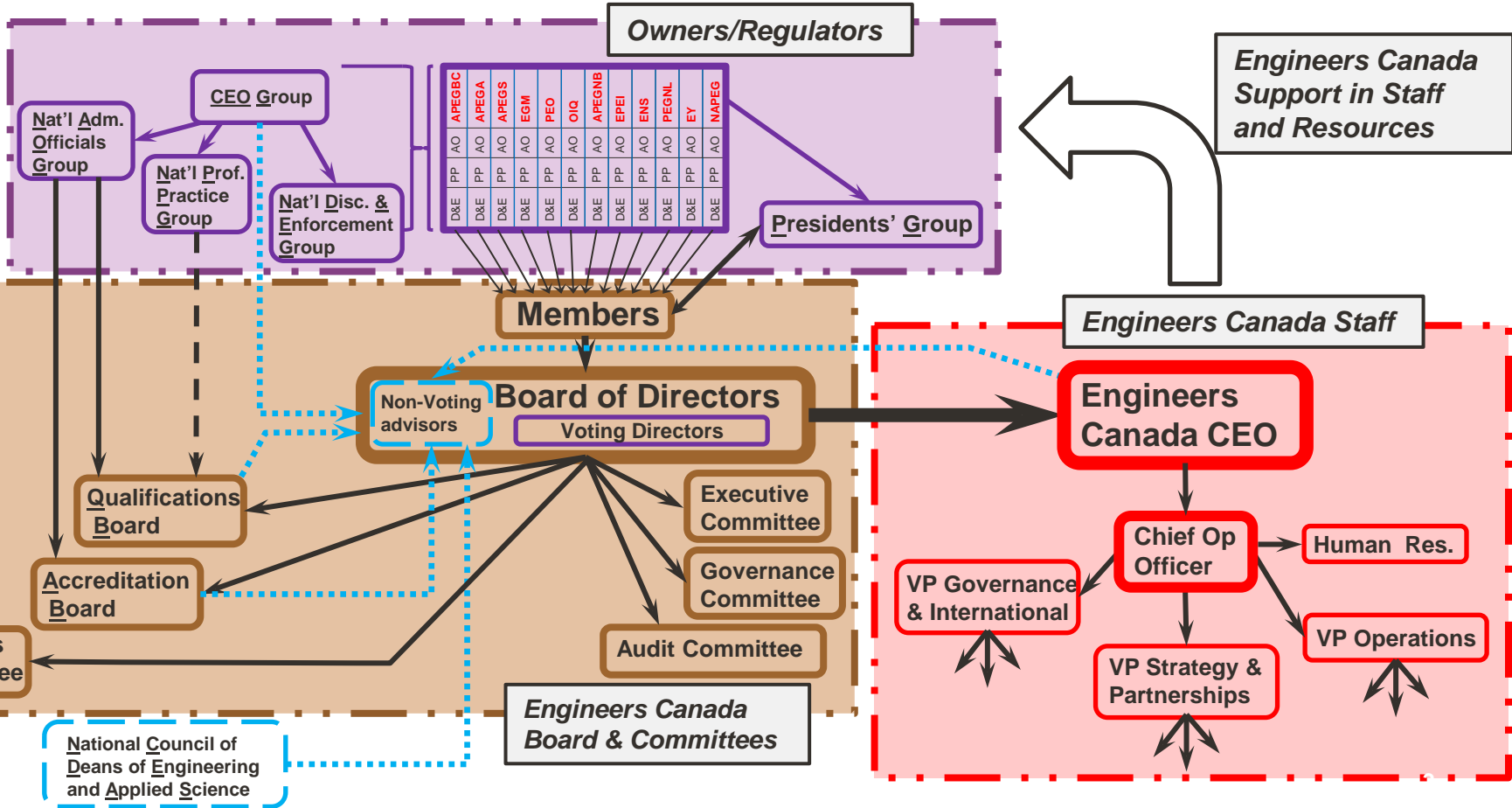


Outline of Presentation

- Engineers Canada Structure
- Canadian Engineering Accreditation Board (CEAB)
- Canadian Engineering Qualifications Board (CEQB)
- National Admissions Officials Group (NAOG)
- National Practice Officials Group (NPOG)
- National Discipline & Enforcement Group (NDEG)
- National Council of Deans of Engineering and Applied Science (NCDEAS)
- Feedback on orientation



Engineers Canada Structure (As of Feb, 2017)



Canadian Engineering Accreditation Board (CEAB)

- Standing committee of the Engineers Canada Board
- CEAB accredits undergraduate engineering programs in Canada that meet the academic requirement for licensure **in the service of the Regulators**
- Valued by the Regulators as **the most** significant work of Engineers Canada
- The CEAB also represents the Canadian engineering profession in international educational agreements (eg the Washington Accord) and works with partners like ABET, IFEES, etc.

Canadian Engineering Accreditation Board (CEAB)

Accreditation is performed:

- At the request of the Higher Education Institutions
- On engineering *programs*, NOT on entire faculties
- By measuring:
 - Accreditation Units (AUs) which are inputs (contact hours with students)
 - Graduate Attributes (GAs) which are outputs (what the student has learned)
- GA measurement started in 2015 and is still being refined

Canadian Engineering Qualifications Board (CEQB)

- Standing committee of the Engineers Canada Board that provides support to the regulators
- Original terms of reference were focused on engineering program syllabi, preparation and setting of examinations and monitoring foreign engineering institutions
- Current terms of reference (GP-9.6) have expanded to support multiple aspects of admissions and professional practice

Canadian Engineering Qualifications Board (CEQB)

- Work accomplished by standing sub-committees:
 - Admissions issues committee
 - Continuing competence committee
 - Engineer-in-training committee
 - Environment and sustainability committee
 - Practice committee
 - Syllabus committee
- Task forces stood up as required to address other issues

National Admissions Officials Group (NAOG)

- Reports to the CEO group
- Comprised of a representative from each of the regulators with responsibility for admissions functions
- Includes a representative from the CEO Group
- Meet at least once per year face-to-face, and by teleconference
- Engineers Canada supports the group by facilitating and organizing meetings, paying for all meeting and attendance costs, and working to advance their work plan

National Admissions Officials Group (NAOG)

- Provide a liaison between the regulators on admissions matters
- Discuss admissions policies which impact inter-association mobility
- Share information to identify best practices and common problems
- Conceive and work on national projects of common interest
- Inform the CEO Group of potential issues which may need to be addressed on a national level
- Provide feedback and comments on issues affecting national guidelines, interpretive statements or other national issues

National Admissions Officials Group (NAOG)

- Formed by the Regulators
- Recent topics of discussion:
 - Academic evaluations
 - Foreign-trained engineers
 - Work experience evaluation
 - Canadian experience
 - Use of competencies
 - References and good character requirements
- Used as sounding board for CEAB and CEQB

National Discipline & Enforcement (NDEG)

- Reports to the CEO group
- Comprised of a representative from each of the regulators with responsibility for discipline and enforcement functions
 - Discipline is action against existing P.Eng./Ing for professionalism and/or practice issues
 - Enforcement is action against non-P.Eng./Ing purporting to providing professional engineering services
- Includes a representative from the CEO Group
- Meet at least once per year face-to-face, and by teleconference
- Engineers Canada supports the group by organizing and facilitating meetings, paying for all meeting and attendance costs, and working to advance their work plan

National Discipline & Enforcement (NDEG)

- Provide a liaison between the regulators on discipline and enforcement matters
- Discuss discipline and enforcement policies
- Share information to identify best practices and common problems
- Inform the CEO Group of potential issues which may need to be addressed on a national level
- Provides feedback and comments on issues affecting national guidelines, interpretive statements or other issues of national relevance

National Discipline & Enforcement (NDEG)

- Formed by the regulators
- Recent topics of discussion include:
 - Non-practising status and life membership
 - Software engineering
 - Mandatory ethics training
 - Provisional licensees
 - Legalization of marijuana

National Professional Practice Group (NPOG)

- Reports to the CEO group
- Comprised of a representative from each of the regulators with responsibility for professional practice functions
- Includes a representative from the CEO Group
- Meet at least once per year face-to-face and by teleconference
- Engineers Canada supports the group by organizing and facilitating meetings, paying for all meeting and attendance costs, and working to advance their work plan

National Professional Practice Group (NPOG)

- Provide a liaison between the regulators on matters pertaining to professional practice
- Share information to identify best practices and common problems
- Inform the CEO Group of potential practice issues that may need to be addressed on a national level
- Provide comments and feedback to the CEO Group on national guidelines, or interpretative statements or other issues of national relevance

National Professional Practice Group (NPOG)

- Formed by the regulators
- Recent topics of discussion include:
 - Authentication of engineering documents
 - Online ethics training
 - Organizational quality management
 - Continuing professional development
 - Practitioner centered research

National Council of Deans of Engineering and Applied Science (NCDEAS)

- Council of the deans of the 44 Higher Education Institutions (HEIs) in Canada that teach over 200 engineering programs
- NCDEAS is not part of Engineers Canada
- Key stakeholder of accreditation

Questions and Comments

