

Minutes of the September 8, 2011 EDTF – CIE Subgroup meeting

Room 104, 40 Sheppard Ave. West, Toronto

Participating: George Comrie, Jim Finch, Tyson Macaulay, Colin Cantlie (t/c), Roger Jones, Ian Marsland (t/c), Peter DeVita (t/c), Jordan Max (staff advisor)

Regrets: Alana Lavoie, Corneliu Chisu, Dave Adams, John Clark

The meeting officially commenced at 6:45pm following a joint session with the NME subgroup.

1. Limited Licence Discussion

Both subgroups met with our guest, Brian MacEwen, P.Eng. (PEO Manager, Registration) to better understand PEO's current Limited Licence instrument, including the forthcoming changes from the Licensing Process Task Force which will allow for diplomas in science programs for academic qualifications as opposed to the current honours degree in science (in a program and university approved by Council).

Brian went over the process for approving applications for Limited Licences. The applicant's proposed scope is reviewed against their academic and experience background, using appropriate sections of the relevant Syllabi. He also indicated that he thought the Academic Requirements Committee (ARC) was currently working on Syllabi for both NME and CIE. It was suggested by the group that the academic requirements for honours science graduates was not workable for those people who were not likely to be working in engineering school, and hence the Limited licence as it currently existed would not address the needs of licensing non-engineering scientists working in the NME field. Another area to investigate is whether PEO could use its powers to create classes of licence to create a class of limited licence that would have non-engineering experience requirements. Colin Cantlie (CIE subgroup) offered to draft the questions for an informal legal interpretation by staff. It was recommended that staff look into what provisions are being considered to deal with natural scientists.

Actions:

Brian to confirm via **Michael Price** whether or not ARC is working on a separate syllabus for CIE and, if so, when it is anticipated to be released.

Brian to ask Michael Price for an internal legal interpretation on whether a class of limited licences could address the NME and CIE needs. **Colin** to draft questions and circulate to the group for comments before it is forwarded to **Michael Price**.

2. Discussion of CIE Position Statement for Council meeting on September 23, 2011

Peter explained that PEO's President wanted to have Council go on official record as declaring NME and CIE as new engineering disciplines, which would be accomplished by the passing of motions supporting Position Statements on NME and CIE respectively, which had been drafted by the CEO/Registrar and shared with the chairs and Council Liaison for comment. Parallel to this, Jordan had undertaken to provide an information briefing note for Council consisting of a status update on the progress of the two subgroups. To support the decision briefing note on Position Statements, the CIE group reviewed the draft CIE Position Statement and made the following revisions;

- Add a Definition section with content taken from the Phase 1 (Interim) Report
- Replace the content of the Scope of Practice section with "to be provided in the Phase 2 Report"
- Add content on Rationale that reflected the specific public safety risks to critical infrastructure from cybersecurity threats
- Add a reference to the Overlapping Practices Committee process in the "Enforcement" section.

Action: Jordan to draft the Definition section from the OCEPP presentation content. George to draft the Rationale section.

The draft briefing note was also reviewed, and the following revision was made to the CIE update section:

"The CIE subgroup led by George Comrie, P.Eng. has been engaged in extensive dialogue with a large list of external stakeholders in the ICT sector, including Industry Canada, the CRTC, the Department of National Defence's Computer Security Establishment (CSEC), the Communications Branch of the Ontario Ministry of Government Services, the Information Systems Audit and Control Association (ISACA), the Information and Communications Technology [Sector] Council (ICTC), and the Council of Ontario Deans of Engineering . As this is a new discipline within an established industry, there are more stakeholders to consult with, in particular IT professionals who are not licensed as professional engineers. The CIE subgroup is currently wrapping up this consultation phase and refining the scopes of practice for communications infrastructure engineers, and has begun considering the requirements for a CIE Limited Licence. The latter is important because many of the current practitioners in this field do not have adequate engineering academic backgrounds to obtain an unlimited (P.Eng.) licence.

The main scopes of practice for CIEs as currently defined are:

- Planning and Design of Assured Communication Networks
- Operational Oversight of Assured Communication Networks
- Risk Analysis of Network Infrastructure.

Significant work remains to be done to complete the regulatory framework for CIE, as outlined in the Task Group's Phase II Strategy."

It was also requested that the CIE Strategy and draft Scope of Practice be appended to the briefing note.

Action: Jordan to amend the EDTF Status Update briefing note as noted above.

3. **Next meeting(s) and adjournment**

The next three meetings were tentatively set as Monday, October 3rd, Thursday, November 10 and Thursday, December 8, all from 6-8:30pm. The meeting was adjourned at 9:27 p.m.