

## Minutes of the August 21, 2011 EDTF – NME Subgroup meeting

Room 104, 40 Sheppard Ave. West

**Participating:** Roger Jones, Brian Haydon, Peter DeVita (t/c), Gerry Margaritis, Marios Ioannidis, Jordan Max (staff advisor)

**Regrets:** Corneliu Chisu, Alana Lavoie, John Yeow, Dave Adams, Yuri Kuzyk, Laura Deakin

The meeting started at 4:10pm, however quorum was not achieved.

### 1. Review of agenda

The agenda was approved with the addition of the 2012 work plan and Human Resources Plan, to be discussed jointly with the CIE subgroup over dinner.

### 2. Review of June 23, 2011 minutes and follow up on action items

The draft minutes were reviewed and approved as presented. Action items were reviewed and noted as follows:

- **Gerry** to contact Corneliu regarding his contribution of the sections on foreign applicants and the use of limited licences - DONE
- **Jordan** to contact Haridoss Sarma to invite him to attend the next meeting to discuss his issue (NEED TO CLARIFY THIS ISSUE)
- **Jordan** to draft a response to the CEQB chair thanking him for his response and offering Gerry Margaritis and Brian Haydon as expert nominees for the forthcoming CEQB National Nanotechnology Examination Syllabus, inquiring about frequency of meetings and time commitment required, and to send the draft letter to **Gerry** for review DONE
- **Jordan** to get the exact number of University of Waterloo Nanotechnology Engineering graduates from Roydon Fraser or Marios Ioannidis DONE
- **Jordan** to get the official curriculum from the Waterloo program and circulate it to the rest of the subgroup DONE
- **Jordan** to send the UofW website link to Gerry DONE
- **Gerry** to confirm the continued participation of Dave Adams, Corneliu Chisu, Marios Ioannidis in their contributions to the Phase 2 report TBD
- **Peter** to revise the Compliance/Enforcement section as per discussions in the previous and current meetings DONE
- **Gerry and Yuri** to revise the Experience section to address a preferred schedule for meeting NME experience criteria over a typical four-year timeframe for an intern or EIT TBD
- **Gerry** to contact Corneliu to address his sections on Non-engineering backgrounds and Limited Licences and whether breadth vs. depth should be specified in those licences, and whether the acceptable academic background should be more restrictive or expansive than the current “Honours science” program approved by Council DONE, BUT CONTENT PENDING
- **Jordan** to gather information on how PEO administers the Limited Licence and report back to the subgroup DONE

- **Jordan** to post the CEQB correspondence regarding the National Nanotechnology Examination Syllabus DONE

There was also some discussion about whether President Dave Adams would be considered as a full member of the EDTF, since as President he is ex-officio and not a voting member. **Action: Jordan** to seek clarification from the Chief Administrative Officer (Council Secretary)

There was also considerable discussion on the application of PEO's limited licence to the practice of NME. PEO's current limited licence allows for narrowly prescribed practice, but under section 46 of **Regulation 941**, the academic requirements are "a four-year honours science degree in a discipline and from a university approved by the Council." It was agreed that the NME group should recommend to Council which specific science backgrounds (likely physics, biology and chemistry) are appropriate and necessary to meet the "honours science" criteria. There may be a need to grandfather current people working in the NME field. It was also recommended that the NME subgroup approach the Academic Requirements Committee (ARC) to discuss the Limited Licence and its application to NME. **Action: Jordan** to discuss with the staff advisor for ARC. (this may be in common with what the CIE subgroup also needs to discuss with them).

Mario also reported he had just found an interesting report from the Journal of Nano Research titled "Innovative and responsible governance of nanotechnology for societal development". **Action: Jordan** to post in Central Desktop.

Finally, there was some discussion on the timeframe for completing the Phase II report in time for the November 18<sup>th</sup> Council meeting. This would require the work to be complete by the end of October.

### 3. **Status and assignment of outstanding sections (authors listed in brackets):**

- Industry roles – industry associations – adoption of standards – needs for emerging technologies (Brian) - This was posted in Central Desktop for review

### 4. **New CSA Standard Z12885 Nanotechnologies – Exposure control program for engineered nanomaterials in occupational settings – DISCUSSION re: NME submission.**

It was decided that rather than trying to put together a collective response, individual NME members could provide their own comments to CSA by September 13<sup>th</sup>.

### 5. **Next meeting(s) date(s) – September 8, from 4-6:30pm**

### 6. **Adjournment and dinner (with CIE subgroup) – approximately 6:00pm** The meeting was adjourned at 6:00pm