C-521-2.9 Appendix F(ii)

Approved by Co	mmittee: October 3, 2018	Review Date:		
Approved by Co	Duncil: November 16, 2018 Approved Budget: [DATE]			
Mandate [as approved by Council]:	students) in STEM-related careers, an include images of science, perception based perceptions, therefore, the Education based perceptions, and value-added curriculum, and outreach such that knowledge, skill, and motivation between To support PEO's Envisioned Fappendix A, approved by Council of PEA Science of the Association (PEA Science) (PEA Science) PEO's Envisioned Fappendix A, approved by Council of professional engineering in science of professional engineering in science of the PEO Strategic of the Education based on th	 curriculum, and outreach such that high school graduates will have the necessary knowledge, skill, and motivation to succeed in an engineering program. To support PEO's Envisioned Future (Source: "PEO Envisioned Future", C-459-6.6, Appendix A, approved by Council Sept. 2009) as it relates to "Public awareness of the role of the Association" (PEA Sect 2 (4)4 – Additional Object). To "support and encourage public information and interest in the past and present role of professional engineering in society" in PEA Sect 8(20). [Approved by Council: 22 March 2013] 		
Terms of Reference [Key duties]:	an important portion of the EDU Terms technology, literacy and other education including) the University / College education Committee are:	ties are to support the PEO Envisioned Future and are s of Reference. EDU addresses science, math and onal issues of relevance to PEO leading up to (but not cational level. The key duties of the Education		
	goals. The PEO Education co	PEO Chapters to achieve their education outreach ommittee plans and helps PEO chapters implement aspiring engineers, which aids the long-term health of		
		that principles of equity and diversity are French translations of booklets and brochures)		
	articulate proposed positions of	n education-related policy: Research and on elementary and secondary school education - chnology in particular and recommend same to Council.		
	4.0 Strategic Relationships : Esta organizations whose objects a	ablish productive relationships with other re complimentary.		
	educating Ontarians on the professional engineers and society. > One key input and secondar	image (A 2018-2020 strategic objective of PEO) by e important roles and valuable contributions of d of the self-regulating engineering profession in to the overall PEO "regulatory" process is elementary by education (with particular emphasis on STEM the academic preparation for aspiring engineers).		
		cation from an early age as a matter of sound public		

	PEO in the overall interest. • To encourage and assist young to science, technology, and end people in the science, technology, and end people in the science, technology, and end people in promote a viable of the science in the s	ertain that there remains a steady flow of tall als into the regulatory framework for engine a continued existence of a self-regulating sion which strives to keep society safe and a conomy in Ontario. public on educational requirements (e.g. economy in general and for engineering in m, in order that female students have role m to) the following: c - Support holding public events that the importance of science, technology, ation (STEM) and the PEO's role in protections.	ublic related lented ers. also to
		- Focus on "Thinking Skills" and ey essential skills for our future engineers.	
	Accountability as crucial wo	Focus on Integrity, Work Ethic, Teamwork a ork habits for our future engineers.	
Equity and Diversity Awareness	 Q1. Was the E & D module reviewed in order to have tasks and activities align with the E&D Policies? Yes. Q2. Is each task/activity being done in an equitable manner and engaging diverse groups? Yes. Q3. Are there any barriers to information dissemination, human resources, physical space, and cultural differences? No. 		
Tasks,	Task/Activities:	Outcomes	Due
Outcomes and Success Measures:	CD Culture and Diversity Ensure that principles of equity and diversity are reflected in key activities supported by EDU.	Success measures Develop learning activities for the under-represented groups in engineering in collaboration with the different participating associations and institutions.	date: 2019
		- Consult with other organizations to create inclusive messaging for the under-represented groups in engineering, and to encourage our young and bright female and under-represented students to pursue future careers in science and engineering.	

	 Encourage local and Ontario-wide business sponsorship to increase funding for future education outreach activities. Engage the post-secondary engineering Chapter scholarship recipients in EDU activities. Encourage post-secondary Chapter scholarship recipients to share their experience with our young minds and the future leaders. 	
CL Chapter Liaison • Provide enhanced support for the chapter system as recently generally requested by Council.	 Liaise with the Chapters on a regular basis through circulation of an interactive website / discussion forum. Communicate the EDU team activities with an annual digital newsletter and other new forms of digital communication. Form a Chapter Liaison subcommittee to visit multiple education events held by our chapters and other education organizations each year and, document and pass the knowledge and new skills to the EDU committee members for leading them to success with reaching out to the public and informing them about our profession. Review chapter funding requests. Document chapter activity content for evaluation and lessons learned. Share lessons learned with other EDU stake holders. 	2019
Organize a conference which will provide the chapters with resources and information to develop innovative education outreach programs	 Execute an Education Conference with the active participation of PEO Chapters, with a view toward cost efficiencies through ongoing evolution of the structure, format and frequency of the conference. Invite stakeholders from the government and our organization to attend the event. 	2019

it needs improvement. - Decide on new actions with Boards of Education to address the current and future needs. - Enable Chapters to develop educational outreach programs that	
Education to address the current and future needs. - Enable Chapters to develop	
educational outreach programs that engage students, educators, and the public at large in understanding the diversity of the engineering profession.	
- Develop a strong partnership between the Chapters and the Education Committee to work together to enhance the promotion of our regulatory engineering profession.	
- Plan speakers and stakeholders with the ability to make a change to the education curriculum to attend the conference each year.	
- Include 'Hands-On' learning activities and take aways to the conference scheme.	
- Initiate new activities and meet semi- annually to measure progress and decide on new actions.	
- Plan documented activities and material for the education and training of the conference participants.	
- Invite chapters and members with an interest and current stake in the activities to attend the conference and draw conclusions and decide on new actions from the discussion items at the conference.	
Q2: The multi-cultural calendar was considered when scheduling the workshop date. Q3: Persons with disabilities and food allergies were appropriately accommodated.	
EIF Engineering Innovations Forum Liaison - Liaise with Engineering Innovations Forum by attending multiple meetings.	2019

To raise public awareness of engineering innovations and impacts on Ontario element and secondary school stude.	d their promote the culture of innovation in our society.
Contribute to science, math technology curriculum development.	Research and review information relating to what society needs from an education system, including creating and distributing relevant communications through applicable media.
	- Share descriptive and concise messages about our organization and regulated practice of the engineering through our communication channels.
	- Work with the Ministry of Education to revise Ontario's Math education curriculum.
	- Colaborate with the Ministry of Education to produce STEM education activities
	Review and critic the teaching and education practices in our province
	Design an EDU website with our view and recommendations about the education systems in Ontario.
	- Collaborate with engineering faculties, and partner with others (i.e. Let's Talk Science, Science Rendezvous, FIRST Robotics) with respect to outreach events and programs.
To formulate a long-term stream to increase Ontario Second School student awareness a interest in Engineering as a rewarding profession; to ide the competencies required a success in an Engineering program at University; to for development of the "essenti skills through self-directed length of the "essenti skills" th	goal of increased awareness. - Maintain strong partnerships with stakeholders (both internal and external to PEO) and as pertaining to elementary, secondary and post-secondary education and development of "essential skills".

Develop and submit 2020 Work Plans and HR Plans for Council's approval	Submitted.	Sept, 2019
Prepare and submit Annual EDU report to council	Submitted.	2019
	Work with external public and private sector partners for financial support and sponsorship	
	- Plan 'PEO Design Challenge' competition' at the 'Skills Ontario event'.	
	Work with the Chapter Liason sub- committee to hold the first province wide 'PEO Engineering Math Competition'.	
 Coordinate Development of a Province-Wide Engineering Challenge. 	secondary students with province wide engineering challenges that promote our organization regulatory image.	
PWC Province Wide Challenge	STEM curriculum evolves to equip graduates for success in a knowledge-based global economy - Target senior primary and junior	2019
technology in particular.	- Work with the Ontario government and the Ministry of Education with respect to the current Ontario math curriculum, as a expert consultant to ensure the	
Research and articulate proposed PEO positions on elementary and secondary school education, relating to mathematics, sciences and	Physics, Computer Science and Computer Engineering Education (in collaboration with OSPE) to be considered for proposals to PEO Council.	
PEO. POS Articulate PEO Positions	Committee members Statements / positions relating to	2019
curriculum; and, to provide access and support to a variety of external educational resources available at	Complete the Terms of Reference / Human Resources Plan / Work Plan for 2020 in collaboration with EDU	