



Minutes

Process Safety Management Division Meeting June 8, 2017, 9:00 – 5:00

ERCO Worldwide - 302 The East Mall, Suite 200, Toronto, ON

Attendees: Supraja Sridharan (ssridharan@tssa.org); Adrian Pierorazio (Apierorazio@BakerRisk.com); Roland Andersson (randersson@chemist.ca); Guy Brouillard (gbrouillard@gcmconsultants.com); Melanie Wilson (Melanie_Wilson@transCanada.com); Morley Brownstein (morley.brownstein@gmail.com); Francois Roche (francois.roche@airliquide.com); Steve Schmidt (Steve.Schmidt@novachem.com); Chantel Vienneau (Chantal.Vienneau@nrc-cnrc.gc.ca); Gilles Laurent (glaurin@canadianchemistry.ca); Keyur Mehta (klmehta03@gmail.com); Rob Michalowicz (rob.michalowicz@sympatico.ca); Modusser Tufail (Modusser.Tufail@strathcona.ca); Tara Leitan (tara.leitan@csagroup.org) (afternoon)

Host: ERCO Worldwide, Amanda Sistilli

Teleconference details: 1-888-289-4573 (or Toronto 416-645-1179); Access code: 3039716

Review and approval of minutes from Feb 7, 2016 - Minutes approved

Overview update of CSA Z767 ANDERSSON

Advertising/Marketing ROCHE

Final editing of French language version

Notes:

French version will be complete by the end of June, National Standard Certification should be complete by end of 2017

We will plan to delay the revision planning until after promotion of the Standard

Montreal was going to adopt 767 but they haven't yet

CIAC has not adopted 767

Roland's proposal summary



CSA PSM Std
Workshops Proposal (

TSSA update: TSSA is training their people on the standard internally

Morley gave a talk to the Water and Waste Water people in Ottawa about CSA Z767

We don't have a strategy for communications, it's not a problem for PSM members to post about 767, be willing to bring back questions that you can't answer to the committee for clarification.

Feb 7 Action: Andersson to produce a list of upcoming work related to executing workshop and awareness presentations to stakeholders. - Complete

New Action: Tara to let us know how many copies of CSA Z767 have been sold.

New Action: Graeme Creedy to send contact information to Guy and Francois

New Action: Roche to contact Chris Muldoon, he is the new CIC Industrial Membership person

New Action: Roche to start a list of who's presenting CSA Z767 workshops or other things

PSLM Symposium Update (30 min)

- Conference organizers have raised more sponsorship than required.
- Conference structure & schedule have been defined. Keynote speakers have been booked.
- Abstract submissions close on June 19th. As the vast majority of submissions are received during the last day, it is too early to report on these.
- For the Canadian Journal of Chemical Engineering special issue on PSM, the CSChE abstracts will be sufficient for consideration. Nothing additional is required.
- Our PSM organizing committee (core: Melanie, Lianne, John Cocchio, Gord Winkel, Norm Nibber) has been approaching industry folks to contribute, including George Ormerod.
- We had a CIC/Minerva conference call last week, to ensure that the scheduling of the student competition is incorporated into PSM and student sessions. The case study will be distributed by Labour Day to universities. Dr. Norm Nibber will be judging these submissions, along with Amanda's other judges, to choose the finalists. Most likely, Amanda's PSM workshop will be on Sunday. The student finalists will present on Monday, so that the winners can be announced at the students' banquet on Monday night

Feb 7 Action: Andersson to follow up with Payne on posting papers from previous conferences – Complete



Feb 7 Action: Wilson and Roche to complete the process of publicizing the CSChE presentation slides on the PSMD website - Complete

Feb 7 Action: Roche and Wilson to provide and update the 2016 CSChE Conference planning documents - Complete

Feb 7 Action: Lesfrud to add presentation and paper for marketing to the presentation request. Add paper submission criteria; include extended paper abstract option. - Complete

Feb 7 Action: Andersson to send existing paper submission criteria to Lesfrud - Complete

2017 Student Competition

Feb 7 Action: Sistilli to send a case study criteria to Lesfrud, and a terms of reference from past conferences to Norval – Ongoing, Update: I'm in the process of working with my company to see if we can volunteer a case study. Nothing concrete yet but I have a scenario in mind. I need to prepare and draft and get it approved for use by our management.

Working with Anthony, the PSLM Symposium committee have the student competition

Risk Assessment Guideline Update



Feb 7 Action: Oliverio and Lesfrud to connect to plan a way forward to develop the Risk Assessment Guideline, including an approach to develop the appendix. – Complete

QRA Guideline and CSA; should this guideline be sent to CSA for issuing? Will there be a higher level of confidence in a CSA doc given the level of rigour that this guideline is going through before CSChE issues it?

There may be an opportunity to put some things, risk tolerance criteria, methodology, etc. into one doc that goes to CSA and keep the appendix as a CSChE doc.

The City of Montreal will only reference a publicly reviewed document in their regulations.

New Action: Roche and Oliverio to develop an agenda item for the next meeting to discuss the scope split including defining the issue



Environmental Risk Committee Update



June 8 2017
PSMC.pptx

PSMD Communication/Networking

There is a new 2017 MIARC guide that has been issued in French.

New Action: Roche to let the committee know how much an English translation would cost.

New Action: Roche to share the list of work activities that are currently being completed by the CRAIM/MIACC committee members.

Feb 7 Action: Gilles Laurent to liaison between CSChE PSMD and CIAC - Complete

CIAC is only having one face to face meeting a year, the next meeting is Oct 18-19 in Vancouver. They are planning on reinstating twice yearly meetings. CSChE and CIAC to share meeting dates in order to reinstate a joint half day meeting.

Feb 7 Action: Roche to develop a list of the associations/ committees/etc. that the CSChE – PSMD members are also members of and add these updates to the meeting agendas, add the previous list from the previous AGM - Complete

https://docs.google.com/spreadsheets/d/1fVd7i2RhQyWWWhO30sh5LkJovqFBwdeAGS5puuW2yCTI/edit?usp=sharing_eixpa_zp&invite=CNHd_qIF&ts=58766669

CSA Z767 Workshop development

Tara (CSA) joined

Workshops can be developed and delivered through the CSA committee and/or sub-committee or a task force. A task force can be assembled and dis-assembled on an ad-hoc basis, a sub-committee is a standing committee.

The existing sub-committee will be the go forward committee to work with CSA on developing workshop content

Recommend creating the group (sub-committee or task force), then develop content and planning for delivery

Workshop leaders do not need to be members of the committee/task force

Tara has Roland's outline of the workshop's expectations, to be used for her estimate.



There are some overview presentations available for seed content, more development is required.
Adrian has 12 hours of content that can be leveraged.

Feb 7 Action: Andersson to connect with Lorena Chung at Environment Canada to provide an update on progress of what has been developed. – Complete, slides are available from this

Feb 7 Action: Layton to follow up with CAPP to forward Brouillard's spreadsheet to confirm if CAPP material is ok to be referenced in the spreadsheet. – ok to use, please reference CAPP

Feb 7 Action: Brouillard to compile additional information and determine how to progress on the format of the spreadsheet to a mapping document. - Ongoing

New Action: David Zimmerman is the person who can guide CSChE through the process of developing workshops, Tara and Graeme Norval to connect

New Action: Pricing for any workshops to be determined, need to know the project management fee, Tara to forward us a proposal

New Action: Workshop attendees probably can be given a copy of Z767, Tara will check.

New Action: Follow up with the CSA Oil and Gas Director to attend the conference in October

CSA Z767 Definitions

The definition doc includes all definitions for CSChE terms including ones that were dropped from CSA Z767, it has been reviewed and is being translated into French.

Feb 7 Action: Norval to send the latest definitions to Wilson, Andersson, Roche and Brownstein – Not required

Feb 7 Action: Wilson to follow up with Brownstein on scope of definitions work - Complete

CSA Z767 Audit and Guidelines Update

Feb 7 Action: Wilson to forward CEPA PSM component mapping to PSMD members – won't be completed, CEPA has declined permission to share.

Feb 7 Action: Layton to share the risk assessment audit guideline with the PSMD committee members (particularly to Oliverio) – Ongoing, update: The audit template is in draft and is being tested, if we share would we have the issue that if under the CSA umbrella, that the template would then be subject to the copyright issues? To be added to the Oct meeting agenda



Involvement with IChemE discussion

Feb 7 Action: Piette to engage with his connection at the Canadian journal to gauge the notion of including PSMD content

Rich was not in attendance –defer this item to October

Feb 7 Action: Piette and Patel to communicate the call for papers with the presentations - complete

Feb 7 Action: Andersson to provide more detail around the process for publication of papers by using examples of AIChE and CSChE both having a journal of their own. - Complete

Other Business

Risk management aspects of the Graduate Attributes Criteria U of O course for Chem engineers in Canada

Process Risk Management and Sustainability – Core Course

Nature of risk

Legal and regulatory aspects

Acute Risk – how to be an intelligent consumer of risk assessments; systems safety – how come we have measure in place to prevent events and events keep happening? Social and behavior mistakes

Inherent process safety

Normalization of deviance

Chronic Risk

Sociological impacts of risk

Feb 7 Action: Wilson to send a list of committee members to Andersson – complete

New Action: Graeme Creedy to forward the Economist article on sociological effects of risk modelling

New Action: Andersson to find out what universities are offering process safety courses (ACE).

New Action: We need a volunteer for vice-chair, Jyoti to send something out for this

New Action: We need feedback on fellowship nominations and award nominations, Jyoti to send something out for this



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Next Meetings

Oct 2017: Edmonton

CSCHE Conference, Edmonton, AB (October 22- 25, 2017)

Winter 2018, TBD