



ISO/TC 197
Hydrogen technologies

Email of secretary: jim.ferrero@bnq.gc.ca
Secretariat: SCC (Canada)

Update NWIP from Norway on Sampling of Gas Impurities and Particulates

Document type: Other committee document

Date of document: 2016-02-11

Expected action: INFO

Background: Here is the explanation of what has transpired since the discussions at the Plenary Meeting last December concerning a possible NWIP from Norway.

Committee URL: <http://isotc.iso.org/livelink/livelink/open/tc197>

Update on a NWIP from Norway on Sampling of Gas Impurities and Particulates

Dear ISO/TC 197 Members:

As was discussed at the TC plenary on Dec 3 in Torrance, there was an identified and clearly articulated need to document the available information on both parallel and series sampling methods of hydrogen gas at refueling sites for detection of impurities and particulates. At the same time, there was also a desire to start a more substantial work to develop a standalone international standard on gas sampling that would include and enhance sampling methods recommended by ASTM and those employed in Europe. It was proposed by the WG24 leadership that this future standard could be developed under WG24. As a result Standards Norway submitted a NWIP to the TC 197 Secretary on Dec 17, 2015, with Dr. Thor Aarhaug (SINTEF Materials and Chemistry) and Dr. Jong Pyng Hsu (Smart Chemistry Corporation) proposed as co-project leaders.

However, during the subsequent TAB review, TAB members, although unanimously supporting this work, expressed concern that the development of an additional standard within WG24 may be a significant distraction from their main objective and WG24 was not able to guarantee secretarial support for the full development cycle. At the same time, the NWIP proponents and co-project leaders were not prepared to take the administrative responsibility for the project. These conditions made it impossible to set up a new WG.

I am pleased to report that we found a compromise solution. In short, we will include the task to develop minimum requirements for gas sampling as part of WG24 scope.

However we will not start this work as a NWIP to develop a standalone standard at this time. Currently there are no resources within WG24 or TC 197 for a new WG to support this work. This plan was discussed and agreed upon with the WG24 leadership, Standards Norway and Dr. Thor Aarhaug. As a result, Norway formally withdrew their NWIP.

Next steps:

- Drs. Aarhaug and Hsu will develop the first draft of a sampling Annex for DIS 19880-1 to cover both parallel and series sampling based on existing information, in time for the April meeting of WG24, WG28 and TC 158/WG7 (on analytical methods). Final draft version should be completed for DIS balloting.
- After the DIS 19880-1 completion, a discussion will be initiated whether the sampling topic should be further developed as a spin off project. Essentially, we are taking the same approach as with the Quality Control topic – we initiate the work within WG24 and if it matures enough and if there is administrative / secretarial support for it as a standalone standard (like it was the case with WG28), we will then proceed with a NWIP.

In conclusion, I'd like to thank Standards Norway (Ms. Kari S. Borgos, Project Manager), Dr. Thor Aarhaug, WG24 leadership and TAB members for their valuable input. I believe we've made another wise decision, which would not be possible without strong collaboration of everyone involved.

Cheers,
Andrei