



ISO/TC 197
Hydrogen technologies

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WG17 Report

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Expected action: INFO

Background: Here is the WG17 report that was used for agenda item 7.2 at the ISO/TC 197 Plenary Meeting of 2014.

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

**Working Progress: ISO 19883
Safety of Pressure Swing
Adsorption Systems for Hydrogen
Separation and Purification**

ISO/TC197/WG17

Yuchuan Gao
Dec. 4, 2014

Conclusions of the 1st WG17 meeting in Paris, 2013:

- The project has been changed to “Safety of Pressure Swing Adsorption System for Hydrogen Separation and Purification ” (ISO 19883)
- Refocus on unique safety issues
- Suggestion of the content
- Revised new draft to WG 17members by July 2014.



Timeline of WG 17 progress

Dec. 3, 2013
the 1st WG 17
meeting

Mar. 13, 2014
1st document of
content circulated

Apr. 24, 2014
2nd document of
content circulated

Jul. 24, 2014
1st draft of PSA
ISO 19883
circulated

Dec. 3, 2014
2nd WG17 meeting

2013

WORK PROGRESS

2014

Dec. 5, 2013
TC 197 meeting

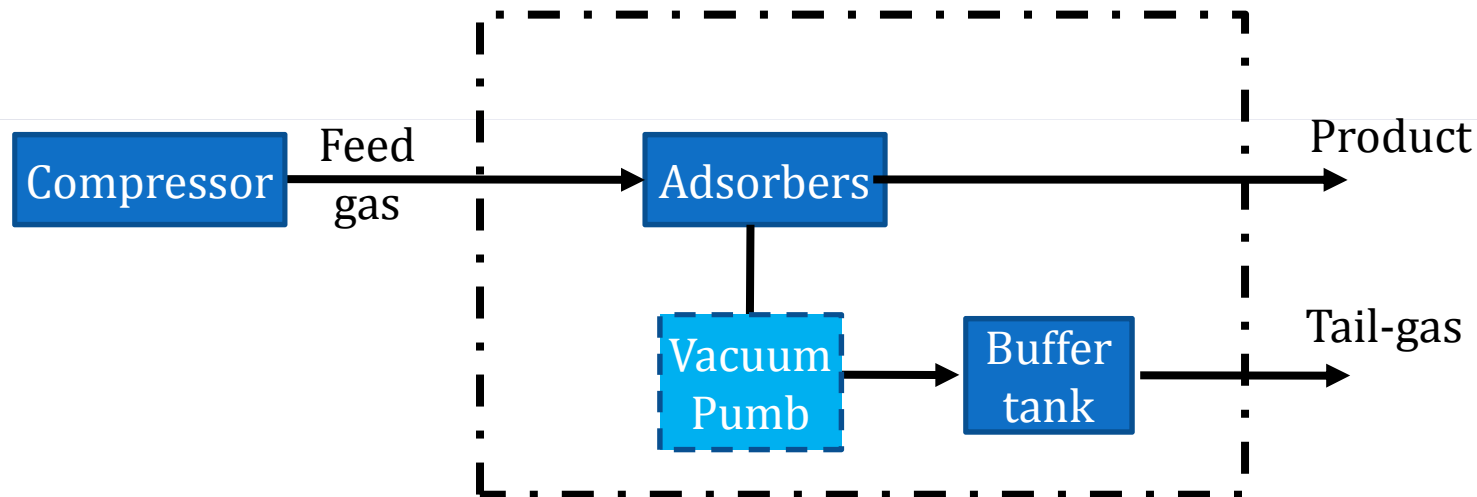
Apr. 9, 2014
Mirroring
working group
meeting in China

Apr. 30, 2014
Comments
gathered for
content

Oct. 18, 2014
Comments
gathered for
1st draft

Agreements in the 2nd WG 17 meeting in Japan, 2014

1. Add a diagram in the scope to identify the boundary of PSA system in this document



Agreements on the 2nd WG 17 meeting, 2014 in Japan

2. Add information about hydrogen embrittlement and fatigue: the design of PSA hydrogen system should be taken into consideration of hydrogen material compatibility.
3. Classify the PSA system based on the H₂ production capacity, mainly for industrial application (large scale) and stationary application (small scale)
4. Address phrases in a more general way than to use specific values or a certain regulation in a country.

Further work expectation

1. Revise the draft WD1 according the collected comments
2. Circulate the draft WD2 by the end of Mar., 2015 within WG17
3. Submit draft WD3 to the secretary for CD balloting by the end of July, 2015
4. Planning next WG meeting in Paris in Sept. 2015



Thank you!