

## ISO/TC 197 N 502

| WG 11 Report presented at the plenary meeting of ISO/TC 197 on 16 May 2010 in Essen, Germany |  |   |  |
|--|--|---|--|
| WG and convener  | Identification   | Scope   | Status update  |
| <b>WG 11</b><br>Convener:<br>Randy Dey,<br>Canada  | <b>ISO 20100</b><br>Gaseous<br>hydrogen —<br>Fuelling stations<br><br><i>Hydrogène<br/>           gazeux —<br/>           Stations de<br/>           remplissage</i> | This international standard specifies the design, operation and maintenance characteristics of standalone outdoor public and non-public, and indoor warehouse fuelling stations that dispense gaseous hydrogen used as fuel onboard land vehicles of all types.<br><br>Residential and home applications to fuel land vehicles are excluded from this international standard.<br><br>The fuelling station may comprise, as applicable, the following as shown in Figure 1: <ul style="list-style-type: none"> <li>• Delivery of hydrogen by pipeline, trucked in gaseous and/or liquid hydrogen;</li> <li>• On-site hydrogen generators using water electrolysis process or hydrogen generators using fuel processing technologies;</li> <li>• Liquid hydrogen storage, pumps and vaporizers;</li> <li>• Gaseous hydrogen compression and purification systems;</li> </ul> NOTE When the fuelling station comprises an on-site hydrogen generator, a compressor/purifier system is commonly integrated into it. <ul style="list-style-type: none"> <li>• Gaseous hydrogen buffer storage;</li> <li>• Pre-cooling device;</li> <li>• Gaseous hydrogen dispensers.</li> </ul> | The WG continues its work towards the publication of the international standard. The CD was released for comments as ISO/TC 197 doc. <b>N 433</b> on 6 October 2009 until 8 January 2010.<br><br>The compilation of comments was circulated as ISO/TC 197 doc. <b>N 441</b> on 22 January 2010. The comments were returned to the working group for resolution.<br><br>After the present work is completed, the working group will take on the task of addressing retrofit and multi-fuel fuelling stations on a fast-track basis. |
| <b>WG meeting dates and location since the last plenary meeting on 13 June 2008</b>          |  |   |  |
| 24-25 February 2010 in Paris, France   |  |   |  |
| <b>Planned meetings</b>  |  |   |  |
| September 2010 in Tokyo, Japan   |  |   |  |
| <b>Proposed changes in title or scope if any</b>   |  |   |  |
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| <b>Agreed target dates for the next stage</b>  | <b>Proposed revised target dates</b>   | <b>Issues to bring to the TC, if any</b><br>(inadequate membership representation, technical directions, etc)   |  |
| DIS: 2010-11<br>FDIS: 2011-11<br>IS: 2012-05   |  |   |  |