
COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS AND ON THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

Sub-Committee of Experts on the
Transport of Dangerous Goods

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PROPOSALS OF AMENDMENTS TO THE RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS

Model Regulations

Fuel cell cartridges containing hydrogen in metal hydride

Submitted by the International Organization for Standardization (ISO)

Report on ISO/TS 16111:2006 *Transportable gas storage devices — Hydrogen absorbed in reversible metal hydrides*

Further to the update provided at the previous meeting as UN/SCETDG/29/INF.56, we are pleased to announce the publication of **ISO/TS 16111:2006**. This document, which has been released as a technical specification to meet the urgent needs of the Sub-Committee of Experts on the Transport of Dangerous Goods (SCETDG), is now available. Please note that the ISO Central Secretariat will be submitting a copy of **ISO/TS 16111:2006** to your attention as an informal document shortly.

Special efforts have been made in the development of this document to ensure that it reflects a larger consensus than is usually required for the publication of a technical specification. It was circulated for a 2-month voting period among the 20 participating countries of ISO/TC 197 *Hydrogen technologies*, the 25 participating countries of ISO/TC 58/SC 3 *Gas cylinder design* and the members of the SCETDG.

It was approved by 100 % of the ISO/TC 197 members that cast a vote and by 80 % of the ISO/TC 58/SC 3 members that cast a vote. A special effort has also been made to address the comments that were received as part of this circulation. A joint meeting of ISO/TC 197, ISO/TC 58/SC 3 and SCETDG experts was held on 6-7 September 2006 in Washington, D.C. to go over the comments received. The revised document, which was produced at the end of this meeting along with replies to the comments, was again circulated for a two-week checking period among the members of both technical committees before the document was submitted to the ISO Central Secretariat for publication.

For your information, the TS covers the design requirements of transportable hydrogen gas storage canisters including all necessary shut-off valve, pressure-relief devices (PRD), and appurtenances, intended for use with reversible metal hydride, hydrogen storage systems. It also includes special provisions for small canisters with an internal volume of less than 0,12 litres.

20 October 2006

It is hoped that the published **ISO/TS 16111:2006** will be accepted by the SCETDG as a suitable reference in the UN Model Regulations and associated packing instructions. In the meantime, ISO/TC 197 WG 10 will continue its work towards the publication of an International Standard, which is projected for completion in the fourth quarter of 2008.

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ISO/TC 197 - Hydrogen technologies

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