Secretariat of ISO/TC 58/SC 3
Gas cylinders – Cylinder design

LIAISON REPORT FROM ISO/TC 58/SC 3 TO ISO/TC 197

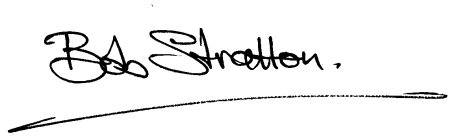
ISO/TC 58/SC 3 and ISO/TC 197 work together in a joint working group structure in the following projects:

- ISO 15869 *Gaseous hydrogen and hydrogen blends — Land vehicle fuel tanks*
- ISO 16111 *Transportable gas storage devices — Hydrogen absorbed in reversible metal hydrides*

The leadership of ISO/TC 58, ISO/TC 58/SC 3 and ISO/TC 197 are currently working on a joint Chair statement. The goal is to "build" a good and strong relationship between ISO/TC 197 and ISO/TC 58 and ISO/TC 58/SC 3 for the benefit of all stakeholders, including regulatory bodies.

Attached are the resolutions that were taken at the last ISO/TC 58/SC 3 plenary meeting on 24 to 26 October 2007 at Transport Canada, Vancouver.

TC 58/SC 3 will meet next from 22 to 24 October 2008 in Sydney, Australia.



R E STRATTON
for the UK Secretariat of ISO/TC 58/SC 3

RESOLUTIONS AGREED AT THE MEETING OF ISO/TC 58/SC 3 HELD ON 24/26 OCTOBER 2007 AT TRANSPORT CANADA, VANCOUVER, CANADA

Resolution 53/1

ISO/TC 58/SC 3 approved the draft agenda (document ISO/TC 58/SC 3 N 1218 REV 3) with the changes shown in the meeting report.

Resolution 53/2

ISO/TC 58/SC 3 agreed that Dr Hervé Barthélémy (France), Mr Simon Davies (United Kingdom) and Mr Bob Stratton (Secretariat) were confirmed as the members of the editing and resolutions committee.

Resolution 53/3

ISO/TC 58/SC 3 approved the report of the last meeting (document ISO/TC 58/SC 3 N 1178) as a true record, subject to the editorial corrections shown in the meeting report.

Resolution 53/4

ISO/TC 58/SC 3 agreed to amend ISO 3500:2005, by adding a new sub-clause, as follows.

"4.1.3 Cylinders in this service are subject to severe environmental conditions due to saline exposure. It is common practice to allow an additional thickness allowance for such cylinders".

ISO/TC 58/SC 3 agreed that the draft amendment be progressed directly to DAM, at least five countries present agreeing formally to participate in the work with Dr Roy Irani (UK) as Project Leader.

Resolution 53/5

ISO/TC 58/SC 3 agreed that ISO/CS are to be asked again to re-instate the drafting of ISO/TR 20704 to the programme of work (at the most advanced stage allowed by ISO/CS). ISO/CS are asked to add this project urgently as a text of TR 20704 will shortly become available for publication.

Resolution 53/6

ISO/TC 58/SC 3 agreed not to progress a project to develop ISO 4706-2.

[Majority decision: France against, Korea, Canada and USA abstain]

Resolution 53/7

ISO/TC 58/SC 3 agreed that revised texts of ISO/DIS 9809-1, ISO/DIS 9809-2 and ISO/DIS 9809-3, as given in documents SC 3 N 1222, N 1223 and N 1224, respectively, amended further as agreed at this meeting, be submitted for 2nd DIS ballot of 2 months.

[Austria, France and Italy abstain]

Resolution 53/8

ISO/TC 58/SC 3 agreed

a) to add a project to develop ISO 9809-4 "Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 4: Stainless steel cylinders with an R_m value of less than 1 100 MPa", with the following target dates:

20.00 (Registration of NWI)	11-2007
30.00 (Registration of CD version)	11-2008
40.00 (Registration of DIS version)	05-2009
50.00 (Registration of FDIS version)	05-2010
60.60 (Publication of International Standard)	11-2010

b) that Dr Hervé Barthélémy will be the Project Leader. At least Austria, France, Germany, Italy and United Kingdom nominated experts to participate in the work;

c) that the project be developed in a new Working Group, WG 33, to be convened by Dr Barthélémy.

[Japan abstain]

Resolution 53/9

ISO/TC 58/SC 3 agreed that it is important to develop ISO 11119-1, ISO 11119-2 and ISO 11119-3 in alignment with each other. As ISO/CS have not been able to re-schedule the current project, as requested in resolution 52/7, ISO/TC 58/SC 3 agreed that the current work item to develop ISO 11119-2 be deleted from the work programme and that a new work item for the development of ISO 11119-2 be added to the work programme with the following target dates:

20.00 (Registration of NWI)	11-2007
30.00 (Registration of CD version)	11-2008
40.00 (Registration of DIS version)	05-2009
50.00 (Registration of FDIS version)	05-2010
60.60 (Publication of International Standard)	11-2010

ISO/TC 58/SC 3 agreed that Mr Mark Trudgeon will be the Project Leader. At least France, Germany, South Africa, USA and United Kingdom nominated experts to participate in the work.

Resolution 53/10

ISO/TC 58/SC 3 agreed

a) to ask WG 27 to develop a rationale for the inclusion of welded ferritic steel liners in ISO 11119-2 and to report back to SC 3 for consideration at their October 2008 meeting;

b) that the maximum water capacity for the ISO 11119 series be retained at 450 litres;

c) that the maximum test pressure limit for the ISO 11119 series of 650 bar be removed.
[Majority decision: Canada and France against, China abstain]

Resolution 53/11

ISO/TC 58/SC 3 agreed that

a) if a paper being considered to be sent from the CGA to the UN regarding the way in which the ISO 11119 series is referenced in the current edition of the Model Regulations becomes available, it be circulated to SC 3 for information so that member bodies can discuss the issues raised with their national regulators, if appropriate;

b) the convenor of WG 27 be asked to develop a proposal for ballot within SC 3 to become an agreed SC 3 position paper to be the basis of a submission to the UN regarding the way in which the ISO 11119 series of standards is restricted by the inclusion of Notes in the Model Regulations, current edition.

Resolution 53/12

ISO/TC 58/SC 3 agreed that the title of the project to revise ISO 11120 will be as follows:

"Gas cylinders – Refillable seamless steel tubes of water capacity between 150 l and 3 000 l – Design construction and testing"

ISO/TC 58/SC 3 agreed that the convenor of WG 28 should provide a text for CD 11120 by the end of 2007 to avoid the project being deleted from the work programme.

Resolution 53/13

ISO/TC 58/SC 3 agreed that the project to revise ISO/TR 13763:1994 "Gas cylinders – Safety and performance criteria for seamless gas cylinders" be cancelled and that ISO/TR 13763:1994 be withdrawn.
[Majority decision: France against]

Resolution 53/14

ISO/TC 58/SC 3 agreed that the title of the project to develop ISO 11515 will be as follows:

"Gas cylinders - Refillable composite reinforced tubes of water capacity between 150 l and 3 000 l - Design construction and testing".
[Majority decision: Italy and United Kingdom against]

Resolution 53/15

ISO/TC 58/SC 3 is modifying its Design, Construction, and Testing Standards to clarify the use of the word “defect.” The word "defect" will, in the future, be used to describe a flaw which is unacceptable. The word “imperfection” will be used to describe a feature which may or may not be acceptable (depending upon the criteria set in the Standard).

ISO/TC 58/SC 3 agreed to encourage other TC 58 sub-committees to utilize these terms with the above definitions and explanations for the purpose of consistency between Committees.

Resolution 53/16

ISO/TC 58/SC 3 agreed that when ISO 4706-1 is published its requirements and those of ISO 22991 be reviewed to consider whether it would be possible to combine the two standards at some point in the future.
[France, Germany, Italy and China abstain]

Resolution 53/17

ISO/TC 58/SC 3 agreed to confirm the following Technical Reports:

ISO/TR 12391-2:2002 "Gas cylinders - Refillable seamless steel - Performance tests - Part 2: Fracture performance tests - Monotonic burst tests"

ISO/TR 12391-3:2002 "Gas cylinders - Refillable seamless steel - Performance tests - Part 3: Fracture performance tests - Cyclical burst tests"

ISO/TR 12391-4:2002 "Gas cylinders - Refillable seamless steel - Performance tests - Part 4: Flawed-cylinder cycle test"

Resolution 53/18

ISO/TC 58/SC 3 agreed that in ISO/DIS 9809-1, -2 and -3 (2nd DIS) the Annexes dealing with manufacturing defects/imperfections be informative.
[Majority decision: France, Korea, Germany and Italy against, Austria and Canada abstain]

Resolution 53/19

Following receipt of a kind offer from Standards Australia to host the next meeting of ISO/TC 58/SC 3, ISO/TC 58/SC 3 agreed to hold its next meeting on 22 (p.m.)/24 October 2008 in Sydney.

Any necessary ISO/TC 58/SC 3 Working group meetings can be held on 20/22 (a.m.) October 2008.

Resolution 53/20

ISO/TC 58/SC 3 thanked the Standards Council of Canada and Transport Canada for hosting the meeting and Mr Craig Webster, Powertech Ltd, for the generous and excellent hospitality.