

ISO/TC173/SC 1/WG 6
Wheelchair Tie-down and Occupant Restraints//Transportable W/Cs
Meeting Minutes
March 1-2, 1998, Vancouver, Canada

Convenor: Douglas Hobson, Canada

March 1, 9:00 AM- 5:00 PM

1. Opening and Organization

1.1 Introductions/arrangements

The Chairman welcomed everyone to Vancouver. Roll call was circulated and is attached and Annex A. Participants were requested to record their email address on the roll call list.

1.2 Identification of documents, acceptance of Dundee 9/97 minutes and final agenda

1.2.1 Document Identification:

- WG6-254-Meeting Minutes; Dundee 9/97
- WG6-255 March 1,2, 1998 Agenda
- WG6-256 Voting Comments-Part 19
- WG6-257 Draft Part 19-1/15/98
- WG6-258 Submission for New Work Item 10542-3
- WG6-259 Submission for New Work Item 10542-4
- WG6-260 Submission for New Work Item 10542-5
- WG6-261 Results of Voting on 10542-3,4,5
- WG6-262 Draft of 10542-3 – 8/97
- WG6-263 Draft of 10542-4
- WG6-264 ISO/TC173 SC1 - Status Report for Vancouver

1.2.2 Meeting Agenda:

- Add “remaining items on 10542-1,-2” based upon editorial group revisions.
- Agenda accepted as presented with above modification.

1.3.3 Acceptance of Dundee 9/97 meeting minutes:

Minutes accepted as distributed.

2. Background

2.1 Review of previous decisions/interim activities

- 10542 editorial group revisions will be discussed today with the intent to finalize this document.
- 7176/19 - voting comments will be reviewed in detail at this meeting
- Voting results on parts 3,4,5 of 10542 will be reviewed. The group will work on these parts as time permits during the two days.

3. Ongoing Matters arising from Previous Business

3.1 Liaison with TC22/WG4

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- TC22 – Last meeting conducted in London. The standard addressing small vehicles is unresolved. The committee is debating how vehicles with greater than 8 seats will be addressed. A European standard also being developed for such vehicles and will supercede ISO efforts.

3.2 Collaboration with CEN

- CEN Draft is progressing forward.
- Bill Walmsley reported at the Valencia meeting that 10542-1, 2 were now much improved in content and layout.
- At the recent CEN/TC 293 ‘Technical Aids for Disabled Persons’ in Valencia on Nov 27-28, 1997, Resolution 248 appointed Lars Johansson to form a liaison link between TC 293 and ISO 173 SC1 in the area of ‘Wheelchair Tiedowns and Occupant Restraints.’ At this meeting Bill Walmsley relinquished his former role as link between TC173/SC1/WG6 and CEN/TC 293. Mr. Lars Johansson was appointed to replace Bill as liaison.

3.3 Status of 10542-1,2

- Editorial committee met last evening and will present suggestions for minor modification at this meeting.

3.4 Status of 7176/19

- Voting comments have been received and will be addressed at this meeting. One main point made in the comments is that the ISO template form must be used in preparation of this, and all future documents. This presents a problem for Mac users since the ISO template is does not use a cross platform standard.

3.5 Status report on standards developments in participating countries

United States:

- Doug Hobson: The first commercial pediatric wheelchair which complies with the draft of SOWHAT is available on the U.S. market. A copy of the TSD report which details this development was distributed to the group. This is a major milestone in the US. It is anticipated that other manufacturers will soon follow.
- Larry Schneider: SAE J2249 has been adopted and is referenced in the ANSI/RESNA WC19 standard. TSD is having a conference this week and implementation of ANSI/RESNA WC19 will be discussed at the meeting.
 - The SOWHAT committee agreed that an integrated wheelchair-mounted lap belt will be required on transport wheelchairs with a 2 yr phase-in period. Voting on this standard will likely occur this spring.
 - Companion documents are also being developed for each of the US standards. Companion documents will be available on the WWW. Many parts of the SAE J2249 document will apply to ISO 10542. These documents are intended to educate manufacturers, consumers, etc. on the rationale and use of the standards.

Netherlands:

- Aleid Hekstra: The TNO test program has been delayed until Apr/May 98. Currently focusing on SWTORS development. The project must be complete by the end of this year. Results will be passed on to CEN and ISO. Test results will also be made available.

- Dutch standards related to wheelchair transportation have been developed and adopted. The Netherlands must now comply with this standard. This will be withdrawn when a CEN or ISO document is adopted.

United Kingdom:

- Alan Lynch: A Medical Devices meeting was held in June. Wheelchairs are considered medical devices. DOT, wheelchair manufacturers, etc met to discuss transport wheelchairs. June 14th is the deadline for testing wheelchairs against Part 19. Many (approx. 60) products have been tested against Part 19 in the UK. Concerns exist regarding retrofits meeting test requirements, especially with wheelchairs that have been in use. Issues of concern relate to retrofit design and wheelchair condition.
- All buses in the UK must be wheelchair accessible. Ed Stait reported that the UK is also addressing taxis at this time.

Sweden:

- Lars Linden: Jan Petzall is now with the Swedish Traffic Authorities. He is working to implement 10542 in the form of a Swedish standard.

Germany:

- Germany has their own standard which incorporates a 12g sled test for WTORS.

4. Issues Specific to CD 10542-1,2

4.1 Editorial Revisions:

- Larry Schneider reviewed editorial committee changes in 10542-1,2. He requested that the Secretariat review the Normative References Section and respective reference dates.
- WG6 agreed that document is acceptable and will be forwarded to the Secretariat for the next level of voting. Target: within 2 weeks.
- The Convenor thanked the editorial committee for their contribution.

5. Issues specific to 7176/19

5.1 Voting Comments- Discussion/Decisions

- Each comment was discussed by the committee with modifications and decisions being recorded within the actual 7176/19 document. Decisions were also recorded in a Voting Comment Table which, along with the revised 7176/19 document, will be forwarded to the Secretariat.

5.2 Follow up recommendations to Secretariat

- **Action Item:** The following Editorial committee will revise Part 19 and send out for WG-6 review before the next meeting. Larry Schneider, Doug Hobson, Gina Bertocci, Edward Stait, Allan Lynch and Aleid Hekstra will form the committee. Larry, Doug and Gina will incorporate SOWHAT and 10542 compatibility related items into document before sending it to the editorial group for comment. **Doug H.** will lead editorial process
- **Action Item:** A technical subgroup will address the design requirements in Section 4 concurrently. **Campbell McKee** agreed to lead a small subgroup to re-formulate proposed wording for Section 4. This re-wording will be forwarded to the above Editorial committee for inclusion in the re-drafted document.

6. DIS 10542, parts 3, 4 and 5 – Proposed New Work Items

6.1 Results of member country voting

- Voting results were reviewed. Parts 3,4,5 were approved as new WG-6 work items.

6.2 Priority of Work Items

- A number of views were expressed as to how the committee should proceed in the development of these 3 new work items and where priority should be placed.
- Part 5 Systems for Specific Wheelchairs will be addressed as the first priority by WG-6
- Part 4 Clamping Tiedown Systems – This effort will be led by those particularly interested in this area. It was suggested that since the primary interest lies in Europe, those participants may meet independently. John Fulland, Campbell McKee, Edward Stait, Karin Urbansson and Aleid Hekstra will form the subgroup. **John Fulland** will coordinate the work of the subgroup.
- **Action Item:** The subgroup plan to meet prior to the next full WG-6 meeting.
- Part 3 Docking Systems – The Part was identified as the third priority of committee and will be addressed more formally at the next meeting.

6.3 Discussion on Part 5 - Systems for Specific Wheelchairs

- Allan Lynch reviewed the scope of Part 5.
- Major Scope Points:
 - WTORS for use with one particular wheelchair,
 - Children and adults,
 - Frontal impact and forward facing,
 - Occupant restraints that anchor to wheelchairs,
 - Occupant restraints provided by other sources.
- Part 5 Breakout Group: Edward Stait, Allan Lynch, Larry Schneider, Jean-Marc Girardin, Gina Bertocci, Jan Petzall, Peter Roy, Campbell McKee, Aleid Hekstra, John Fulland (as an "observer"). **Allan Lynch** will lead the group.
- **Action Item:** :A draft working document which follows the proposed scope will be developed in preparation for the next meeting.

7. Next Meeting Plans

- Oct 5th-10th, 1998 in Vienna, Austria.
- WG6 will meet on Oct 5th and 6th.
- SC1 will meet on Oct 7th (Weds) and 8th (Thurs).
- Subgroups of WG-6 should meet on Oct 4th (Sun) --Edward's Birthday!!

8. Adjournment

The Convenor thanked everyone for a productive meeting and adjourned the session at 5:00pm.