



ISWP Standards Working Group

October 11, 2017 Standards Working Group (SWG) Meeting Recap

The ISWP Standards Working Group met by conference call on Wednesday, October 11, 2017 from 12:00 p.m. to 1:30 p.m. U.S. Eastern Time. This document provides objectives and a recap.

Objectives

1. Discuss progress updates from the subgroups and related future work.

Discussion

1. Funding
 - a. ISWP received funding to cover expenses from September to end of January.
2. Design Guidelines:
 - a. ISWP received a PDF proof of the design guidelines from the publication agency and has sent review comments back.
3. Caster Testing
 - a. Update slides: <https://drive.google.com/open?id=0B3o-KpFV8x-8ODFky2IFZXNKUVE>
4. Publications:
 - a. Standards review paper - <http://ajod.org/index.php/ajod/article/view/288>
 - b. Caster test development paper - <http://ajod.org/index.php/ajod/article/view/358>
5. Rolling Resistance Test
 - a. Letourneau team has 5 new students to work on the RR test and the cart to check resistance on different surfaces.
 - b. The team will employ a brake on the test to prevent reverse turning of the drum.
 - c. The team will make improvements to better the zeroing issue.
 - d. The team expects to get RR data on samples in late November.



- e. Joe Ott from Pitt will be visiting Letourneau in November to study the RR test equipment and testing. He plans to incorporate the learnings in the RR test design that is in development at Pitt.
6. Whole Chair Testing:
- a. Update slides with videos:
<https://www.dropbox.com/s/cs22206m04cdigr/ISWP%20101017.pptx?dl=0>
 - b. The test has laser sensors along the conveyor's length and between each wheelchair to detect wheelchair failures. Lasers are also installed to check if the belt goes out of alignment.
 - c. The dummies are bouncing on the chair significantly while testing. Pitt suggested appropriate strapping of the dummies at the back, seat and footplate.
 - d. Norm and Dan commented about appropriateness of tethering the wheelchair using the cables which is different from tethering seen on ISO testing.
 - e. FWM team plans to validate the test to outdoor conditions and ISO testing using data collected from instrumented wheelchairs.
 - f. FWM team to experiment with the rescue randy dummy. This dummy can be filled with sand and water.
 - g. November is when the equipment will be shipped from South Dakota to California and installed.



Participants

- ✓ Daniel Martin, Shonaquip
- ✓ Mark Sullivan, Convaid (Chair)
- ✓ Matt McCambridge, MIT
- ✓ Norman Reese, LeTourneau University
- ✓ Daniel, LeTourneau University
- ✓ Bonnie Gonzalez, Free Wheelchair Mission
- ✓ Don Schoendorfer, Free Wheelchair Mission
- ✓ Karl-Erik Westman, Handicap International
- ✓ Eric Wunderlich, LDS Church
- ✓ Chris Rushman, Motivation
- ✓ Dave Mahilo, Invacare
- ✓ Dr. Rory Cooper, University of Pittsburgh
- ✓ Anand Mhatre, University of Pittsburgh
- ✓ Dr. Jonathan Pearlman, University of Pittsburgh
- ✓ Nancy Augustine, University of Pittsburgh
- ✓ Ben Gebrosky, University of Pittsburgh
- ✓ Scott Walters, Mobility Worldwide
- ✓ Josiah Auer, Free Wheelchair Mission
- ✓ Joseph Ott, University of Pittsburgh
- ✓ Stephanie Lachell, University of Pittsburgh
- ✓ Krithika Kandavel, ISWP

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