

ISWP Standards Working Group

June 9, 2015 Meeting Recap

The ISWP Standards Working Group met by conference call on Tuesday, June 9, 2015 from 12:00 p.m. to 1:00 p.m. U.S. Eastern Time. This document provides objectives, action items and a recap.

Objectives

1. Discuss test methods that each subgroup of the Standards WG came up with and subgroup updates. Following are the subgroups:
 - a. Design Guidelines
 - b. Casters
 - c. Rolling Resistance
 - d. Corrosion

Action Items

1. Each group to present final test methods for respective areas.

Discussion

1. Design Guidelines
 - a. Guidelines are intended for wheelchairs for long-term use in less-resourced settings. Guidelines would be used for areas which do not have a specific test. If a subgroup decides a test is too onerous, it could become a design guideline.
 - b. Concern with guidelines to be too generic to be meaningful versus too detailed to become specifications.
 - c. Reference test outcomes in guidelines
 - d. Items in documents shared by Mark on design guidelines were discussed.
 - e. Matt suggested creating a forum for WC designers to contribute tips about design. Why WC designers design chairs in a certain way. ISWP name would give the forum more credibility.
 - f. Don mentioned guidelines should not relate to prescription or regulations.
 - g. Dan suggested including opinions from manufacturers as several factors contribute when coming up with a WC design.

- h. Eric confirmed that guidelines should be generic. See if any issue could be reported by the user. Attempt to share knowledge with consumer.
 - i. Matt reported wheelchairjunkie and usatechguide as two sites on which wheelchairs were rated and user could provide reviews.
 - j. Anand talked about a website that ISWP is trying to come up with which has the following components:
 - i. Information from standards testing of WCs from different labs
 - ii. Information about WC specifications provided by manufacturers
 - iii. Data from field testing.
 - a. Subjective data from consumer experience
 - b. Objective data for WCs - Clinical feedback (outcome measures), Quality of Life indicator, Maintenance requirement
 - iv. Summative rating for WCs
2. Casters: Circular track test desirable.
 3. Rolling resistance: Matt will visit Pittsburgh. Brainstorming session with specific design they can cost with specs. Where it will be located, how it will be done.
 4. Corrosion: Don still awaiting results. 1000 hours should have been 41 days; should have results by now. Still in progress. May have been stopped due to other projects.

Subgroups (for reference)

- Design Guidelines: Mark Sullivan (interim lead), Daniel Martin, Jon Pearlman, Norman Reese, Chris Rushman, Eric Wunderlich
- Casters: Anand Mhatre (lead), Matt McCambridge, Jon Pearlman, Norman Reese, Don Schoendorfer
- Corrosion: Matt McCambridge, Don Schoendorfer
- Rolling Resistance: Matt McCambridge (lead), Jon Pearlman

Participants

- ✓ Daniel Martin, Shonaquip
- ✓ Matt McCambridge: DEKA (formerly with Whirlwind)
Norman Reese, LeTourneau University
- ✓ Karen Rispin, LeTourneau University
- ✓ Mark Sullivan, Convoid, Ride Designs and Polus Center (WG Chair)
- ✓ 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

Prepared by: Anand Mhatre, University of Pittsburgh