

MEETING LOG

PRODUCT: Wearable Technology

SUBJECT: Meeting with ASTM regarding Wearable Technology Standards Development

LOCATION: CPSC 4330 East West Highway, Bethesda MD

DATE: February 27, 2020

ENTRY DATE: March 12, 2020

LOG ENTRY SOURCE: Patty Edwards

COMMISSION ATTENDEES: Patty Edwards, Treye Thomas, Patty Adair, Rick McCallion, Duane Boniface, Joel Recht

NON-COMMISSION ATTENDEES: From ASTM - Molly Lynyak, Len Morrissey, Dan Smith, William Billotte, Pat Picariello, Matthew Pezzella. As Observers - Sean Oberle, Product Safety Letter and Ryan Radford, Samsung

MEETING SUMMARY:

The meeting was convened at 1pm.

- Dr. Treye Thomas gave a presentation on hazards associated with wearable technology products.
- Len Morrissey discussed the scope of the wearable tech products and noted that these new technologies are actually disrupting how ASTM does business. This is making ASTM take a look at which industry or industries should be involved in standards development. Their traditional silo approach does not work with these new technologies. ASTM is looking to develop general standards and then applying them to particular product categories. They need to now use multiple committees and multiple resources to address emerging hazards.
- ASTM is trying to speed up the development of standards through research. They are using the Centers of Excellence (CoE) model for Additive Manufacturing and Exoskeleton Suit standards.
- There is a need for an education component – developers are not aware of standards.
- There will be an article on this soon in Standardization News.
- There is a potential for ASTM and CPSC to collaborate at CES – one suggestion is proposing a session that includes CPSC and ASTM.
- For some applications of 3D printing/additive manufacturing – such as aerospace, medical – supplemental requirements will be needed in addition to horizontal standards.

- Dr. Thomas discussed the issue of wearables and sensors – need for calibration since these are starting to be used by “citizen scientists” to do things like biomonitoring.
- P. Adair mentioned that CPSC will hold an AI Stakeholder Forum in June. A Federal Register notice will go out soon.
- ASTM F48 – CPSC staff intends to join, to bring safety expertise to the committee.
- Both CPSC and ASTM staff agreed that the discussion was helpful and that we should continue to meet and discuss as things progress.