

MEETING LOG

SUBJECT: ASTM F15.75 Connected Products

LOCATION: Teleconference call

DATE: July 12, 2019 EST

ENTRY DATE: , 2019

LOG ENTRY SOURCE: Simon Lee, Jr., Electrical Engineering and Fire Sciences

COMMISSION ATTENDEES:

Patricia Edwards, EXHR

Susan Bathalon, EXHR

Doug Lee, EXHR

Suad Wanna-Nakamura, HSPP

Simon Lee, ESEF

Prem Chandrasekhar, EXHR

NON-COMMISSION ATTENDEES:

Don Mays (Samsung, SC Chair)

Ron Borowski (Eaton)

Sarah Newens

Travis Norton (Bureau Veritas)

Don Huber (Consumer Reports)

David Grandin (Bureau Veritas)

Dan Desimone (Dorel Juvenile)

Randy Cooper (AHAM)

Bansi Patel (IEEE)

Molly Lynyak (ASTM International)

David Smith (Lego Systems)

Al Kaufman (The Toy Association)

Jos Huxley (Hasbro)

Beth Schommer (Walmart)

Tim Cassidy (Best Buy)

Jay Howell (Walmart)

Djed Mouada (AHAM)

Sean Oberle (Product Safety Letter)

Christina Young (Health Canada)

For other attendees, see the ASTM meeting minutes.

MEETING SUMMARY:

Approval of Agenda and previous Meeting Minutes from June 14th, 2019.

Discussion on Section 1, "Scope": On July 9, 2019, CPSC staff sent in revision of Section 1, for Subcommittee (SC) consideration. CPSC staff used language from various Internet of Things (IoT) laws, bills and a whitepaper (California, Oregon state laws, and the Venable whitepaper) for use as source documents. The SC discussed Section 1.1 and the need for clarity and consistency for new terms such as "connected products" to better cover all consumer connected products that can use multiple communications protocols and wireless transport paths.

For Section 1.1, question was posed of why CPSC staff suggested deletion of: "other than a mobile phone or personal computer", staff answered that technologies such as smartphone can also be cyberattacked for possible safety hazards.

After some discussion, the SC decided on the following revisions:

Title should add term "consumer" for final overall document title of "Connected Consumer Products" to stress consumer product focus and not commercial or industrial products.

Term "device" changed to "product" since document scope will not cover medical devices and industrial products.

The statement “created by virtue of its connectivity” replaces “connected to the internet” for emphasizing (as before) some connected products only connect from various communications protocols to a Hub device (e.g. Amazon Echo) or to an edge router and then indirectly to the internet.

The term “Internet of Things” is still used alongside the term “Connected Products” for proper reference and importance of that term. Section 1.1 term of “software” is deleted since firmware can also be cyberattacked.

D. Mays wanted to clarify overall document’s scope, usage, and intended audience by submitting a new overall introduction paragraph. The introduction stressed that this document is: 1. Guidance and not a standards document, 2. Intended for both manufacturers and retailers. SC is in agreement of including an introduction paragraph.

“Section 4.5 Regulator Agencies” was agreed to be deleted since CPSC staff, Health Canada and previous emails stated this type of section is not normally in an ASTM document. The SC discussed adding a blanket statement since IoT products can have unique possible wide scale catastrophic software safety hazards. The blanket statement would state: “Users of this guidance should be aware that there may be regulatory requirements above and beyond this guideline”.

Section 4.3.4 of “Identify, capture, and share IoT hazard incident data (item, hazard, cause, and so forth) with regulatory agencies.” is also unique from above statement of possible catastrophic software safety hazards. The SC suggested Health Canada draft a revised statement to be more relevant. For the term “IOT hazard”, the SC wanted a broader usage term such as “relevant connectivity” hazards to better cover wider future possible software issues.

Next Steps:

Health Canada will revise Section 4.3.4 from above. ASTM staff will provide the SC with the revised draft from the meeting discussion. The next meeting is scheduled for August 9th at 3 p.m.