Meeting Date: 08/23/2022
Location: Teleconference

Subject: UL STP 3300 – Service Communication Information Education and Entertainment (SCIEE) Robots – Task Group Meeting
Product: SCIEE Robots

Prepared By: Vineed Dayal
Date of Log: 08/24/2022

Attendees: Contact UL for a complete list of attendees
CPSC Attendees: Vineed Dayal, Zachary Goldstein, and Greg Ota

Meeting Summary:
Contact UL for more details of this meeting.

This was a weekly meeting for Task Groups 6, 7, 8, and 9 (TG6, TG7, TG8, & TG9 respectively), to work on their respective assignments. The notes below are listed in chronological meeting order.

Task Group 6 – Functional Safety

The group briefly reviewed proposed language, from members who did not attend this meeting, to address potential integration of AI/Machine Learning into SCIEE robots. At first the language referred to potential standards that would likely include AI/Machine learning in the future, but due to the uncertainty staff stated that it would be misleading to do so. The group tentatively agreed that due to the emerging nature of AI/Machine Learning and the fact that there are no established standards addressing it for consumer products that deferring to the other functional safety requirements would be adequate for now, and that the group will "keep an eye" on the topic for future developments. The group then discussed Cybersecurity Risks for SCIEE robots, and decided to refer to other standards for these requirements.

The group intends to discuss both topics further at the next meeting with higher member attendance.

Task Group 9 – Vulnerable Persons

The TG9 Chair updated the group on their work to make IEC 63310 for electric vehicles available to the group as a reference and confirmed that would sent out in the next week. The chair also indicated that the group is waiting on member feedback regarding UL 4200, which is also available to members. The attending members agreed to have feedback on the standard by next week's meeting.

Task Group 8 – Manipulators

The TG8 Chair reviewed feedback submitted by a member who did not attend this meeting, discussing manipulators and end effectors. The group determined that the Chair will include specific clauses for end effectors for the sections related to manipulators.

Task Group 7 – Testing

The group confirmed that members who did not attend this meeting are still working on the list of ODD environments assigned at the last meeting and are not ready to present to the group.

The group moved on to discuss the need for certain functional safety tests by topic. First was safety limited speed. The group decided that the test would be necessary but that thresholds related to the products application would need to be determined. The group then spent the remainder of the time discussing if there is a need to include a test for breaking functions. One point of view was that due to other safety functions such as collision avoidance and critical edge detection that breaking would be a redundant feature/test. Staff disagreed and stated that the ability to stop movement in robots should be considered independently of those other detect & respond features.

The group agreed to continue this discussion at the next meeting.

General STP Updates

The next TG meetings are scheduled for on 08/30/2022. The Next full STP meeting is scheduled for 09/13/2022. The STP has decided to hold a two day in person meeting in Fremont, California during the week of 10/24, the specific dates are to be determined via doodle poll.