

MEETING LOG

SUBJECT: Task Group for ASTM Computer Vision Based Drowning Detection Systems/Residential Pools

LOCATION: Teleconference call

DATE: June 13, 2022

ENTRY DATE: August 3, 2022

LOG ENTRY SOURCE: Susan Bathalon

COMMISSION ATTENDEES:

Susan Bathalon, EXHR

Other ASTM MEETING ATTENDEES:

Katie Crysdale, Lakeview Aquatic Consultants,

Maria Bella, Professional Pool Solutions, LLC.,

Rolf Huber, Everplay International Inc.,

Sai Akhil Reddy Konakalla, Angarak Incorporated,

Tammy Avraham, Coral Drowning Detection Systems.

Contact ASTM for a full list of attendees.

MEETING SUMMARY:

This ASTM task group was formed in April of 2020 to discuss technology in various computer vision drowning detection systems to prevent child drownings in residential pools. The meeting was called to order, the ASTM Antitrust statement was reviewed, and the April 11, 2022, minutes were approved.

Meeting material and documents for the development of the standard are available in the ASTM collaborative documentation area.

The task group reviewed video footage showing a drowning event of a child from partial face submersion to floating face down and a immobility. The task group discussed opportunities for rescue. There were no known rescue dummies with darker skin. The task group co-chairman, Maria Bella, showed photos of mock-testing scenarios when the test dummy is covered with dark-colored stretch material. the range from dark to light representative skin color is proposed in system detection test.

There was a call for a new chairman for a work group to improve discussions on the technology and drowning detection features in computerized systems. The new work group will commence this fall.

Next steps:

ASTM task group meeting participants are asked to continue to add language and comments into the draft standard. The next meeting will be held in mid-July, 2022.