



## MEETING LOG

**SUBJECT:** ASTM F08 Sports and Recreation Committee Meeting Week

**DATE OF MEETING:** 9-11 May 2023

**LOG ENTRY SOURCE:** Hope Nesteruk, EXHR

**LOCATION OF MEETING:** Denver, CO

**CPSC STAFF FILING MEETING LOG:** HOPE NESTERUK (EXHR)

**CPSC ATTENDEE(S):** Hope Nesteruk (EXHR)

**NON-CPSC ATTENDEES(S):** Contact ASTM for the attendee list.

### SUMMARIES OF MEETINGS:

**Tuesday, May 9, 2023**

#### **ASTM F08.57 - Task Group on Racket Sports Eye Protection**

- CPSC staff introduced herself to the group and provided an explanation about CPSC data sources. The group suggested that staff investigate pickleball injuries. A member also mentioned that flag football was gaining popularity and there may be an injury uptick associated with the sport.
- The group briefly discussed a new eye protection anti-fog test method that would be presented at a later meeting.
- ASTM F3164-19, *Standard Specification for Eye Protectors for Racket Sports (Racquetball, Squash, Tennis)*, is due for revision or reapproval, and the group discussed the upcoming revisions planned. Specifically, new test methods are being planned to address pickleball balls. Information has been gathered on pickleball balls, including estimated velocities and the holes in the balls. A member brought up that the holes in pickleball balls are often drilled and might not be beveled, sometimes resulting in lacerations from impact. The group also discussed the sample size used for testing and labeling glasses only tested with “plano” (non-prescription) lenses.

#### **ASTM F08.57 - Eye Safety for Sports**

- CPSC staff introduced herself to the group and provided an explanation about CPSC data sources.
- Outstanding ballot items were discussed:
  - ASTM F08 23-02 Item 4 (Plano protective eyewear) – no negatives and no comments
  - ASTM F08 23-02 Item 5 (handball)
    - There was 1 remaining negative regarding the standard allowing eye protectors without lenses. The group discussed a proof of concept lens-less design that passes the testing, and that because it was a performance test, they did not want to be design restrictive. The group voted the item non-persuasive based on no technical or scientific basis provided in the rationale.
    - Two comments were addressed editorially.



- Standards up for maintenance were discussed:
  - ASTM F659-2010 (2018), *Standard Specification for Ski and Snowboard Goggles*, was reapproved in 2018, and the group does not want to reapprove it again. Manufacturers in the group indicated they prefer the applicable EN/ISO test. Members indicated that they believe everyone is already testing to the EN requirements and they cannot find manufacturers willing to develop/support ASTM F659. The subcommittee felt that dropping ASTM F659 from the roster makes sense if the manufacturers do not want to support it.
  - ASTM F2812-2012 (2018), *Standard Specification for Goggle- and Spectacle-Type Eye Protectors for Selected Motor Sports*, is also due for revision or removal. Similar to ski and snowboard goggles, there has been little interest from manufacturers in participating. ANSI Z87.1 was mentioned as the most appropriate alternative standard.
  - ASTM F803-2019 (2019), *Standard Specification for Eye Protectors for Selected Sports*, is continuing to be improved by the subcommittee.
  - ASTM F3164-2019 (2020), *Standard Specification for Eye Protectors for Racket Sports (Racquetball, Squash, Tennis)*, is going to be updated to include pickleball.
  - The task group on baseball and softball needs a new task group chair and a search is underway. The task group is currently under ASTM F08.03, but once work is complete and new standard is balloted, it will move to F08.57.
- A representative from the Department of Defense (DoD; Army DEVCON) presented information and a draft standard for testing the performance of anti-fogging materials. He asked for help finishing the draft standard and formatting it consistent with ASTM's standard language and organization.
- The field hockey and lacrosse eye protection task group needs a new task group chair, but work will continue.
- A member reported that ANSI Z87.62-2021, *American National Standard For Occupational And Educational Eye And Face Protection Devices For Preventing Exposures Caused By Sprays Or Spurts Of Blood Or Body Fluids*, is forming a task group for the 2027 revision and ISO is working on an equivalent.

**Wednesday May 10, 2023**

**ASTM F08.17 - Trampolines and Related Equipment**

- The Chair announced he was stepping down. There was considerable discussion between three candidates and the subcommittee. Three candidates worked out between themselves to take on Chair, Vice Chair, and Secretary positions.
- Standards requiring review:
  - ASTM F2774-09 (2020), *Standard Practice for Manufacturing Quality Control of Consumer Trampoline Bed Material*
    - Concerns were raised about a 5,000-hour test that costs \$25-30k and takes 7 months.



- Members generally agreed the test was effective, but wondered if it would be effective using a shorter duration.
- A task group was formed to evaluate the efficacy of the standard, and CPSC staff said they would participate.
- ASTM F381-16 (2022), *Standard Safety Specification for Components, Assembly, Use, and Labeling of Consumer Trampolines*
  - Regarding section 7.3, Net height, the group determined that the terminology, “longest dimensions,” was too ambiguous (length vs diagonal). The group proposed new terminology that does not separate round and rectangular (includes ovals and works for all shapes). The group agreed with using <10’ for longest dimension (including diagonal) = 60”, >=10’ -> 72”.
    - One member suggested reducing 10’ to 8’.
    - Another group member expressed that such a change would affect existing products and that there is no data to support the change.
  - Regarding access devices and ladders:
    - The standard does not allow trampolines to be sold with ladders. Some questions were raised regarding whether an access device would also be disallowed if called something other than a ladder.
    - One member proposed that for section 4.2 to be changed to “no access device or trampoline ladder shall be included,” and to add “access device” to sections 7.5.1.12 and 10.1.1.

#### **Task group on ASTM F2774 regarding 5,000-hour test**

- Because ASTM F08.17 ended early and members were still available, an initial task group meeting on ASTM F2774 was held. The Chair will poll the entire subcommittee for additional task group members.
- The meeting attendees agreed that this task group’s goal is to evaluate the efficacy of the standard.
- Topics discussed included:
  - Since the test was developed, members report that recalls of mat material have gone down appreciably. The test appears to be appropriately identifying inadequate mats.
  - Number of mat suppliers currently testing to the standard.
  - Obtaining data regarding mat performance at intervals between 0 and 5,000 hours and comparing performance at various intervals to determine if a shorter interval than 5,000 hours can be used.
  - Getting participation from textile experts, especially regarding tensile strength and fabric degradation over time.

#### **F15.61 – Constant Air Inflatable Play Devices**

- Staff briefly presented the press release for the November 2022 unilateral recall of a CAI that did not meet the standard. Chair discussed and noted the notice said the device failed the standard for inflatable play devices. Staff agreed that it was presented for the subcommittee’s awareness.



- The group also discussed a new ballot proposing to include arena type products in scope. Staff suggested some examples or clarification was needed in the definition of “area products,” which was intended to mean the products that form a perimeter of a small sports field (for example, a soccer field with vertical surrounds).

**Thursday May 11, 2023**

**ASTM F08.30 on Fitness equipment**

- CPSC staff introduced herself to the group and provided an explanation about CPSC data sources. CPSC staff asked questions about scope and work areas of this subcommittee, confirming that the subcommittee would be the appropriate place to address handheld portable weights and strength trainers, but these would not fit in a current standard.
- ANSI TAG to ISO TC83 report:
  - The group is considering an inclusive standard for playground equipment.
  - CEN work (which forms the basis of the ISO standard) has been going on for 5+ years, encountering delays but seems to be progressing now. Part 2 and Part 7 should be issued by the end of 2023 or early 2024. Part 1 work is done, but needs to go through the process to be issued.
  - For treadmills, ISO released a version before CEN approved.
  - CEN group cannot meet in the UK anymore, and has to be in the EU.
  - EU group is pausing the treadmill work until relevant efforts are completed by ASTM regarding the guard on the rear roller.
- ASTM F3021 and F3022 on Inclusive fitness:
  - Working to make touchscreens accessible to the blind. The group had been looking at raised buttons and audio feedback. While this work has been going on, screenreaders have been improving and blind persons are becoming accustomed to it. The group suggested adding a screenreader as an option to the requirements being worked on. The group mentioned that this would also be useful to persons with intellectual developmental disabilities.
- ASTM F3101-21a (2021), *Standard Specification for Unsupervised Public Use Outdoor Fitness Equipment*, was published. No revisions are planned at this time.
- ASTM F2276-2015 (2016), *Standard Specification for Fitness Equipment*, is up for renewal or dropping. There are no plans to let it drop at this time. There was one negative to discuss.
  - 1 negative regarding the following addition to Section 6.1: “online/digital manuals shall be available for 7 years past the cessation of sales of the product” (this was a new add, because previously only had to provide prints).
    - The negative vote was regarding wanting the manuals to be available indefinitely, and to change “shall” to “should.”
    - No rationale was provided for the negative.
    - Group members voiced concerns that not all sales are under the control of the manufacturer (*e.g.*, online marketplaces, distributors, warehouses, etc).



- There was some discussion about changing “sales” to “production,” and if this change would be considered editorial. CPSC staff commented that in the regulatory world, that would be a substantive change.
  - The group decided to re-ballot changing “sales” to “production.”
- ASTM F3021-17 (2017), *Standard Specification for Universal Design of Fitness Equipment for Inclusive Use by Persons with Functional Limitations and Impairments*:
  - The standard is up for renewal or changes. The subcommittee has been working on it and plans to ballot. Several specific items related to tactile icons and symbols were discussed.
- ASTM F2216-17a (2018), *Standard Specification for Selectorized Strength Equipment*:
  - Stability testing
    - The group has been working on a stability test for cable-driven machines, beyond the general stability test (no tip on a 10° incline), but cable machines have side loading that should be addressed.
    - The group worked on wordsmithing the statement “workout motion is solely defined by the user.”
    - Discussed how to define force to apply. Current discussion just says “force.”
    - A draft will be circulated for review.

#### **ASTM F08 main committee meeting**

- Discussed new Chair for trampolines.
- Subcommittee upheld the non-persuasive recommendation from ASTM F08.57 on the negative for the new standard for eye protection for handball.