

LOG OF MEETING

DIRECTORATE FOR ENGINEERING SCIENCES

SUBJECT: ASTM F15.29 F1487 Public Playground Subcommittee Meeting

DATE OF MEETINGS: March 1, 2021

LOCATION: Teleconference

LOG ENTRY SOURCE: Kevin Lee

COMMISSION ATTENDEE(S): Kevin Lee

NON-COMMISSION ATTENDEES: See ASTM for list

SUMMARY OF MEETING:

Background: The ASTM F15.29 subcommittee submitted ballot (21-01) item 1 on February 16, 2021. This ballot includes a letter to CPSC staff outlining ASTM's recommendations for proposed changes (with rationale) to a future revision of the CPSC Playground Handbook.

Summary:

The subcommittee stated the purpose of the ballot (21-01) item 1 was to achieve approval among the members before it is sent to CPSC.

The group discussed the CPSC's continued concerns for gliders and bannister rails. The group formed a task group to examine and document hazard patterns associated with these products. The task group, which CPSC staff joined, will evaluate existing products, perform observational studies to gain insight into use patterns, and apply human factors and biomechanical analysis to develop performance requirements.

The group discussed the activity from the fully enclosed play structures task group meeting. The group agreed with the draft performance requirements for climb-resistant exterior and climb-resistant tube slides. These performance requirements are similar to the ASTM F2049-11 (2017) (*Playground Fencing*) standard, which CPSC staff suggested in prior meetings because it includes minimum distances between openings. The subcommittee requested that CPSC review the proposal from a human factors viewpoint.

ASTM staff is preparing all previously approved ballot items for publishing in the updated F1487 standard around May 1st, 2021, which includes:

- Updating the handrail requirement to align with the 2010 DOJ Standard for Accessible Design.
- Included references to ASTM F3313 and F3351 (Test methods for playground surfacing when tested in the field and in the lab)
- Includes performance requirements for trolley rides.
- Defines an elevated play surface to include a 2-inch by 2-inch surface that is at most 30 degrees from horizontal

- Specifies swinging gates and doors shall meet the requirements for vertical rotating equipment
- Includes a statement that seesaws, horizontal rotating equipment, and upper body trolley rides shall not be on playgrounds for children under 5
- Updates the “placement of equipment” figure to show the recommended orientation of swings.
- Adds a hazard identification and risk assessment section to the appendix

Next Steps: The fully enclosed play structure task group agreed to continue to revise the climb resistant performance requirements for a fully enclosed play structure. No future date has been set for the next meeting.