



MEETING LOG

SUBJECT: ASTM F15.66 Crib Mattress Surface Firmness Task Group

FY 24 OP PLAN ENTRY: Crib Mattresses (include Supplemental and Aftermarket Mattresses)

DATE OF MEETING: 10/10/2024

LOCATION OF MEETING: Virtual

CPSC STAFF FILING MEETING LOG: Daniel Taxier (ESMC),

FILING DATE: 10/22/2024

CPSC ATTENDEE(S): Daniel Taxier (ESMC), Suad Wanna-Nakamura (HSPP), Frederick deGrano (ESMC)

NON-CPSC ATTENDEE(S): Contact ASTM for attendee list.

Summary of Meeting:

The task group met to discuss how to proceed with incorporating a firmness requirement into ASTM F2933, *Standard Consumer Safety Specification for Crib Mattresses*. The task group reviewed a draft ASTM ballot based on 16 CFR part 1241 and AS/NZS 8811.1:2013.

Participants reviewed the topics discussed in the prior meeting, including weight distribution, requirements for measuring the level of the fixture, and the use of a small steel slab to address any loose fabric. The task group then discussed the following topics:

- The orientation of the fixture during testing.
 - The task group chair noted that the wording of the requirement in 16 CFR part 1241 was ambiguous as to whether the test fixture should be used with the arm pointing in only one direction along the longitudinal axis of the product, or whether the arm should be pointed in both directions along the longitudinal axis. Staff noted that the language in question, “At each test location in turn, rotate the bar to point in the required direction,” implies the bar is pointed in a single direction, which is how he has performed the testing.
- Whether a worst-case location should be prescribed.
 - The task group chair’s proposed edits focused on testing a raised portion of the mattress. Staff discussed that several failures have occurred not because the feeler arm touched a raised portion of the mattress, but because the test fixture sagged in a soft portion of the mattress. Staff recommended adding guidance on where a worst-case location for the firmness test is typically found, but did not agree with trying to prescribe a test location.
- Whether the perimeter of the mattress should be excluded from the test.
 - The task group chair discussed how the perimeters of some crib mattresses are raised, and how this construction can result in inconsistent firmness test results, even though an infant’s face is unlikely to conform to the edge of the mattress due to its position near the crib side. The task group will continue to discuss this topic at the next task group meeting.



United States
Consumer Product Safety Commission

Next Steps:

Future task group meetings are scheduled for the second Thursday of each month. The F15.66 subcommittee is expected to meet during the ASTM juvenile products meeting week, October 28, 2024 at 3:00 PM ET.

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