

**LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: Meeting of the ASTM F15.66 Crib Mattress task group on Corner Gaps

DATE OF MEETING: 3 December 2020

PLACE OF MEETING: Virtual (teleconference)

LOG ENTRY SOURCE: Hope Nesteruk (ESMC)

COMMISSION ATTENDEES: Hope Nesteruk (ESMC), Cynthia Gilliam (EC), Daniel Taxier (ESMC),
Suad Wanna-Nakamura (HSPP)

NON-COMMISSION ATTENDEES: Contact ASTM for attendee list.

SUMMARY OF MEETING:

The subcommittee chair/task group lead summarized the analysis in the staff briefing package to open the discussion. Chair discussed that concerns raised by the subcommittee focused most on the sheets used in the test rather than the dimensions being tested. The chair presented a suggested method of using a block to apply a force to the corners and measure it that way. However, the force to be applied had not been determined.

The task group discussed the dimensions in depth. Task group members raised concerns that a mattress built to the higher end of the tolerances (such that it would fill more space in the crib) would not necessarily have the full allowable 1 inch gap that was included in the rule as presented in the NPR. Task group members thought these bigger mattresses would be unfairly penalized when tested to the gap in the proposed rule. Therefore, the group thought the 1 inch gap should be built into the test fixture, rather than just account for it in the requirement. This would require creating a new test fixture, rather than reusing the existing fixture.

Further discussions revolved around using sheets and that compressing the mattress is a factor of using non-standard sheets. The chair summarized that staff has expressed concerns in the past that mattresses should not allow a poorly fitted sheet to adjust their dimensions. The group discussed at length methods of determining the best way to identify an appropriate force. Many members in the group felt that the infant bedding standard should take up the issue of sheet shrinkage; however, the chair brought up that the timing for the final rule would not allow for that.

The group ended by agreeing that industry members should try testing their mattresses in the existing box and using a block and a force gauge to share with the task group at a January task group meeting.