

**LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: ASTM F15.66 Crib Mattress Corner Gap Evaluation Task Group

DATE OF MEETING: June 16, 2022

PLACE OF MEETING: Teleconference

LOG ENTRY SOURCE: Daniel Taxier (ESMC)

COMMISSION ATTENDEES: Daniel Taxier (ESMC), Cynthia Gillham (EC), Suad Wanna-Nakamura (HSPP), Mary House (OGC)

NON-COMMISSION ATTENDEES: Contact ASTM for attendee list.

SUMMARY OF MEETING:

The task group discussed the test method for crib mattress corner gap evaluations included in 16 CFR 1241, and whether to add the test to ASTM F2933 *Standard Consumer Safety Specification for Crib Mattresses*.

The task group weighed the pros and cons of the test method.

- Several task group members were concerned about the variability in fitted sheet designs, and one task group member mentioned issues with reproducibility regarding how the sheet is placed on the mattress. The task group discussed the possibility of adding specifications to the fitted sheet used in testing to address these concerns.
- The task group chair said the method was elegant in reflecting the real-world scenario of how fitted sheets apply force to mattress corners.

The task group decided to move forward with additional testing. Task group members will apply force to crib mattress corners to determine:

1. How much force is required to reach the failure threshold in the test method, and
2. How much force is required to replicate sheet compression.

The task group asked CPSC staff to participate by conducting this testing with mattresses and sheets used in rulemaking. Staff responded by saying they would look into whether this was possible.

The task group chair will prepare and send by email a standard test methodology for round robin testing. The next task group meeting will be scheduled at a future date.