

**LOG OF MEETING**  
**DIRECTORATE FOR ENGINEERING SCIENCES**

**SUBJECT:** Meeting of the ASTM Soft Infant Carriers (SITC) Fastener Strength and Strap Retention, Dynamic Testing Task Group Meeting

**DATE OF MEETING:** 2 November 2020

**PLACE OF MEETING:** Virtual (teleconference)

**LOG ENTRY SOURCE:** Hope Nesteruk (ESMC)

**COMMISSION ATTENDEES:** Hope Nesteruk (ESMC), Max Sanborn (LSM)

**NON-COMMISSION ATTENDEES:** Contact ASTM for attendee list.

**SUMMARY OF MEETING:**

The task group discussed potential changes to the static and dynamic tests in F2366. In particular, it has been proposed to remove the existing static test while harmonizing the dynamic test with the European dynamic test method. The proposed test would increase the dynamic test from 1000 to 50,000 cycles of testing, which many on the task group feel would be sufficiently onerous to replace the existing static test, which has identified few, if any, failures in products. Additionally, the group discussed the size of the test mass, if the diameter should vary by weight, and the implications of using steel shot vs. sand to fill the weight bag. The group also talked about changes to the fastener strength test, specifically, removing the 1 inch maximum slippage requirement and including a requirement that the “fastener system” (that is, the parts the fastener is attached to) does not break. The final topic of discussion focused on the friction interaction between test masses and test torso. Example videos were shown of a PVC test mass with a plastic test torso, which appeared to produce sufficient friction that the entire system was moving together, rather than exercising the carrier. The standard does not specify materials for the test equipment. The task group will report at the subcommittee meeting for further discussion of the issues raised.