

**LOG OF MEETING  
DIRECTORATE FOR ENGINEERING SCIENCES**

**SUBJECT:** Meeting of the ASTM Floor Seat Gauge Diagram Task Group

**DATE OF MEETING:** 18 June 2018

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

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

**COMMISSION ATTENDEES:** Hope Nesteruk (ESMC), Suad Wanna-Nakamura (HSPP), and Celestine Kish (ESHF)

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

**SUMMARY OF MEETING:**

This meeting was to discuss a negative vote that was discussed at the May 2, 2018 subcommittee meeting. Regarding the diagram on the floor seat test gauge, a negative voted had noted that the weight of the hinge pin was not given. A member of the task group reported that he had weighed the hinge pin on his company's test gauge, and the weight was 0.05 lbs. The overall weight of the test gauge is stated as 17.4 +/- 0.2 lbs. Therefore, the hinge pin weight was within tolerance for the fixture. It was also noted that the figure states that the size of the handhold can be adjusted to achieve the proper weight. This weight could be accounted for with a ~1/8 inch adjustment in the handhold.

Because the test gauge is based on the Infant CAMI, the original CAMI schematics (dated 7/22/1974) were consulted. The CAMI is specified as 17.4 +/- 0.4 lbs, and with a 1/2 inch tolerance in each dimension.

The task group concluded that the hinge pin adds negligible weight and is within the tolerance; therefore, no changes need to be made in the test fixture. However, the figure will be updated to indicate the hinge pin weight approximately 0.05 lbs.

The task group also briefly discussed adding tolerances to the dimensional measurements. Generally, the task group was against adding tolerances at this time. It was proposed that if they were added, 10 one-thousandths of an inch would be appropriate. CPSC staff reported that their lab engineers prefer to see tolerance, and other agreed that when building the fixture, tolerances are appreciated. However, because this fixture is used in other standards, including several regulated products, it was suggested to be tackled in those standard first. Therefore, the task group tabled the issue.