U.S. Consumer Product Safety Commission
LOG OF MEETING

SUBJECT: F15.21 Slings Carriers – Ring Sling Testing Task Group

DATE OF MEETING: 11 June 2021

LOG ENTRY SOURCE: Hope E J. Nesteruk, ESMC

LOCATION: Teleconference

CPSC ATTENDEE(S): Hope Nesteruk, ESMC; Suad Wanna-Nakamura, HSPP; Max Sanborn, LSM

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

SUMMARY OF MEETING:

The aim of this task group is to examine and potentially refine the occupant retention test method in ASTM F2907 because of testing discrepancies observed in ring sling testing.

At a previous task group call, the task group discussed potentially adding shoulder caps to the test torso, because ring slings must be tight against the shoulders of the wearer, and the hard angles and lack of a true "shoulder" of the test torso may affect the test. Members noted that the Europeans standard also has been discussing adding shoulder caps to the test torso. Members of task group on the call are still supportive of adding shoulder caps to the test torso for the occupant retention test, but want to do more testing/validation. CPSC's LSM staff volunteered to be part of the group that evaluates the shoulder caps.

Further discussion involved formulating a plan for round robin testing to collect data

- 3-4 labs will test the same sling models, CPSC LSM staff volunteered to be one of the labs.
- Evaluated slings should be made from a material that would be expected to see the unexpected slippage/tearing/wear issue the shoulder caps are intended to address – suggestion of single layer linen as a relatively common but weaker fabric used in sling carriers
- 2 samples of each model to be sent to each lab – so that each lab can test with and without the shoulder caps
- Same test procedure sent to all participating labs, including CAD files for curvature and size of specific shoulder caps to use. Each lab will 3D print the should caps.
- Task group leader will reach out to manufacturers to try and get donated samples for testing
- Evaluation criteria for comparing slings tested with and without shoulder caps was not determined at this time.