



MEETING LOG

SUBJECT: ASTM F15.42 Furniture Subcommittee's Task Group on Static and Dynamic Testing for ASTM F3096 (Tip Restraints) Meeting Log

FY 24 OP PLAN ENTRY: Clothing Storage Unit (CSU) Tip-over

DATE OF MEETING: 4/18/2024

LOCATION OF MEETING: Hybrid in-person at Fusion Engineering Naperville, IL and virtual

CPSC STAFF FILING MEETING LOG: Kristen Talcott

FILING DATE: 5/13/2024

CPSC ATTENDEE(S): In-person: Kristen Talcott (ESHF); virtual: Daniel Taxier (ESMC), Benjamin Mordecai (LSM), Adam Howie (LSM)

NON-CPSC ATTENDEE(S): Contact ASTM for the full attendee list

Summary of Meeting:

Task group members continued discussion of static and dynamic testing of anti-tip devices and conducted in-lab testing of the forces on an anti-tip device using a test rig and a clothing storage unit.

In-person task group members constructed a clothing storage unit-representative test rig with modular aluminum, connectors, and wood. The test rig had an extended section to model an extended drawer. The test rig was connected to a pre-constructed wood stud and gypsum board "wall" using a metal cable anti-tip device with an in-line force gauge. Task group members used 50 pounds of weight on the extended section to induce a tip, and task group members measured the dynamic force on the anti-tip device for a variety of test conditions, including variations in anti-tip device slack (0 inches to 2.5 inches). Task group members repeated the testing with an exemplar clothing storage unit loaded with weights to its tipping point, then loaded with an additional 50 pounds of weight. Test data was provided to all task group members after the meeting.

Next Steps: The task group chairs plan to provide a summary of the task group's activity at the May 23, 2024 meeting of the ASTM F15.42 Furniture Subcommittee in West Conshohocken, PA.