

**LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: Meeting of the ASTM F24 Evolution Task Group I to Discuss
Manufacturing/Operations/Maintenance Requirements for Amusement Rides

DATE OF MEETING: October 3, 2018

PLACE OF MEETING: Virtual (teleconference)

LOG ENTRY SOURCE: Thomas Caton (ESMC)

COMMISSION ATTENDEES: Mark Kumagai (ESMC), Thomas Caton (ESMC), Richard McCallion (EXHR)

NON-COMMISSION ATTENDEES: Contact ASTM for attendee list.

SUMMARY OF MEETING: The task group meeting consisted of a discussion of negative votes from the EVO I related last ASTM ballot

The meeting opened with a mention that all the participants to this teleconference should have received a redacted copy of the CPSC letter to ASTM concerning the Ohio State Fair Fatal Ride Incident that occurred on July 26, 2017.

The discussion then moved on to the latest ballot results that have gotten the number of negatives down from ninety to twenty. A discussion was about addressing these remaining twenty occurred during the teleconference.

- The negatives were concerned about better design and hazard mitigation
- When considering wear and fatigue, the 35,000 hour life is a Design Life and not an operational life with a goal of developing a fatigue life criteria
- EVO 1 has to decide when and how to present these issues to the larger committee

A road block is older rides because new solutions cannot be retroactively applied to old rides and orphan rides.

Ride analysis, a subject of ballot item 8, may need to state where the ride is to be used i.e., inside, outside, or both.

- Use conditions can include temperature extremes, sea front or inland use.
- How should a ride be identified so this is known to the user if it is limited to indoor use?
- Is the ride limited at where it can be used outdoors?
- How is this information to be transferred to future owners of the ride if it is resold?

A discussion was conducted on the use of shall and should.

- Shall is descriptive and is required by the ASTM Executive Committee.
- Shall means may and must means will.
- This has to be considered when composing the standard.
- The manufacturer, in the end, is looking for the document and not the person/designer but there has to be a qualified person behind the document.

The above subjects are to be presented at the October 12, 2018 ASTM F24 meeting in San Diego, CA.

Cc: Kumagai, McCallion, Edwards