

**LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: All-terrain vehicles (ATVs) – Discussion of ATV test data and ATV roll simulator.

DATE OF MEETING: June 27, 2019

PLACE OF MEETING: SEA Ltd, Columbus, OH

LOG ENTRY SOURCE: Caroleene Paul, ESME

COMMISSION ATTENDEES: See attached attendance list

NON-COMMISSION ATTENDEES: See attached attendance list

SUMMARY OF MEETING:

Representatives of the Specialty Vehicle Institute of America (SVIA) met with CPSC staff and SEA Limited (SEA) staff to discuss ATV test data from reports that have been published by CPSC. SEA also provided information on the development of an ATV roll simulator and provided a demonstration of a simulated ATV rollover event.

Mr. Kevin Breen, P.E. of Engineering Systems Inc. (ESi), presented an analysis of the data from the following reports generated by SEA: Effects on Vehicle Characteristics of Rider Active Weight Shift, ATV Attribute Modification Study, and Vehicle Characteristics Measurements of ATVs Tested on Groomed Dirt. The analysis found that improvements to stability and vehicle handling achieved by design means were generally similar to improvements in the same areas achieved by rider active lean. CPSC staff thanked SVIA and Mr. Breen for the presentation. A copy of this presentation was not provided to CPSC staff.

Dr. Gary Heydinger of SEA presented an overview of the work that was conducted in 2018 to develop and validate an ATV roll simulator. SEA staff demonstrated a simulated ATV rollover event, and answered questions on instrumentation and test methodology.

A report on the ATV roll simulator work has been drafted and is currently in CPSC's review and clearance process. CPSC staff will distribute the report to SVIA when it is published.

MEETING ATTENDANCE RECORD

ATVs – Discussion of ATV data and roll simulator

June 27, 2019

COMMISSION ATTENDEES:

Name		Phone	Email
Han	Lim	301-987-2327	hlim@cpsc.gov
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NON-COMMISSION ATTENDEES:

Name		Organization	Phone	Email
Alex	Berger	SVIA	703-994-8133	[REDACTED]
Ron	Bixel	public	614-419-1613	[REDACTED]
Louis	Brady	Polaris	651-470-8090	[REDACTED]
Kevin	Breen	ESi	239-482-0500	[REDACTED]
Jason	Britt	Textron	706-796-4544	[REDACTED]
Ken	Bush	Suzuki	714-996-7040	[REDACTED]
Matthew	Cairns	Textron	401-457-3669	[REDACTED]
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