

**LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: ANSI Standard Development by the Recreational Off-Highway Vehicle Association

DATE OF MEETING: December 12, 2008

PLACE OF MEETING: U.S. Consumer Product Safety Commission, Bethesda, MD

LOG ENTRY SOURCE: Mark Kumagai, ESME (MEK 1/16/09)

COMMISSION ATTENDEES: See attached attendance list

NON-COMMISSION ATTENDEES: See attached attendance list

SUMMARY OF MEETING:

The meeting opened with self introductions of the CPSC staff and the Recreational Off-Highway Vehicle Association (ROHVA). ROHVA members include Arctic Cat, BRP, Polaris, Yamaha, and Kawasaki. The ROHVA website is www.rohva.org.

Paul Vitrano of ROHVA made a presentation on the development of the ANSI Standard for Recreational Off-Highway Vehicles.

The presentation discussed the following information:

- ANSI processes and timeline
 - 1/6/09 released for public review
 - 2/20/09 for review of comments
 - 3/20/09 for submission of standard to ANSI for approval
- Definition – a ROV is a vehicle for use by one or more people having a top speed in excess of 35 mph. The ROV has four wheels, uses a steering wheel for steering control and has non-straddle seating.
- Design requirements that will be addressed in standard include:
 - Occupant Protection System
 - Seat Belts
 - Hand Holds
 - Lights
 - Ignition Key
 - Spark Arrestor
 - Low PSI Tires (not for highway use)
- Other requirements include:
 - Operator Manuals
 - Safety Labels
 - Testing

- Brakes – Parking and Service
 - Lateral Stability – 36.4% grade (20 degrees)
 - Pitch Stability – 46.4% grade (25 degrees)
- Canvass Participants include:
 - ROHVA members
 - CFA
 - User groups
 - Bureau of Land Management
 - Fish and Wildlife Service
 - Transport Canada
 - CPSC staff
- Training – ROHVA will offer on-line training rather than hands-on training, similar to ASI

The CPSC staff questioned the effectiveness of a lateral stability requirement of 20 degrees. Staff expressed concern that this requirement was not adequate and could result in extremely unstable vehicles. The ROHVA technical representative believed the lateral stability requirement was sufficient.

CPSC staff and ROHVA members discussed the use of Static Stability Factor (SSF) as a measure of lateral stability. CPSC staff asked if a SSF greater than 1 could be used as a minimum lateral stability requirement. The ROHVA technical representative responded that SSF was considered but the tilt table method was preferred due to the vehicles' long travel suspension and soft tires issues for these vehicles.

CPSC staff asked the ROHVA members if the National Highway Traffic Safety Administration (NHTSA) was on the Canvass list. NHTSA was not asked to comment because these are off-road vehicles.

CPSC staff asked if the standard will have requirements to prevent arms and legs from coming out of the vehicle during a roll-over. The ROHVA technical representative responded that there are no mechanical requirements for keeping limbs inside the vehicle in the current draft. This may emerge as a requirement in the future.

Other topics of discussion included:

- Expected vehicle life (ROHVA did not have this information),
- Fuel system integrity (EPA has requirements for emissions, no requirements in the current draft)
- Seat belt interlock (not currently incorporated or discussed in the draft standard)
- Market data (sold through established dealerships; cost about \$10,000; no sales data available; no import data available; products are relatively new and quickly emerging onto the market)
- Incident data (Industry asked if there was any way to quickly share any injury pattern data that CPSC staff might have; CPSC staff reported that code 5044 was established for Utility Vehicles.)

- Use on paved roads (Although some localities are allowing use of off-highway vehicles on public roads, ROHVA does not support, and warns against, this use of ROVs due to the possibility of being hit by another vehicle.)
- Labeling (Warning labels will include safe riding practices and use of appropriate safety gear such as helmets, goggles, and gloves.)

Meeting Attendance Record

Date: 12/12/08

Location: US Consumer Product Safety Commission, 4330 East West Highway,
Bethesda, MD 20814

Room 410B/C

Project: ROHVA

COMMISSION ATTENDEES:		
Name (last, first)		Organization
Brown	Sarah	ESHF
Goldsmith	Jason	HS
Haslett	Renee	OGC
Howell	Jay	EXHR
Karen	Mike	ESME
Kumagai	Mark	ESME
Leland	Elizabeth	EC
Malihi	M. Reza	OGC
Mullan	Gib	EXC
Paul	Caroleene	ESME
Popkin	Seth	OGC
Sharpless	Perry	LS
Stadnik	Andrew	LS
Streeter	Robin	EPHA
Topka	Tanya	CDI
Vallese	Julie	EXPA
Yelenik	Ronald	OGC

NON-COMMISSION ATTENDEES:		
Name (last, first)		Organization
Alden	Jack	Honda
Daley	Annamarie	RKM&C
D'Entremont	Ken	Polaris
Johnson	Tom	KMC
Lund	Kevin	Deere & CO
McConnell	Mary	Polaris
Murray	David	WF&G
Nathanson	Paul	PRN
St.Arnaud	Yves	BRP
Vitrano	Paul	ROHVA

Weintraub	Rachel	CFA
Wiegard	Michael	ESCM
Willen	William	Honda
Wilson	Douglas	KMC
Woods	Kathy	OPEI