

**LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: Recreational Off-Highway Vehicles (ROVs) – ROHVA Voluntary Standards Meeting

DATE OF MEETING: October 5, 2015

PLACE OF MEETING: CPSC Hearing Room, Bethesda Towers, Bethesda, MD.

LOG ENTRY SOURCE: Caroleene Paul, ESME

COMMISSION ATTENDEES: See attached attendance list

NON-COMMISSION ATTENDEES: See attached attendance list

SUMMARY OF MEETING:

ROHVA representatives summarized the areas of concern expressed by CPSC staff at the October 23, 2014 public meeting and the proposed requirements for the next revision of ANSI/ROHVA 1 that address those concerns. In summary:

- Lateral stability is addressed by:
 - a tilt table test minimum requirement of 33 degrees
 - hang tag that displays the vehicle's tilt table limit
 - 30 mph J-turn test that prohibits two-wheel at 110 degrees of steer angle
- Vehicle handling is addressed by:
 - Constant steer angle test and performance requirement based on computation of the yaw rate ratio
- Occupant protection is addressed by:
 - Seat belt speed limiter reminder on driver's seat belt that limits speed to 15 mph if seat belt is not buckled
 - Side retention barriers that must meet a probe test

The constant steer angle test and yaw rate ratio calculation was developed by Polaris Industries, and Polaris representatives presented their analysis of yaw rate ratio data provided by CPSC staff (presentation attached). The following topics were discussed:

- Polaris agrees with CPSC staff's suggested method of slope calculation.
- Based on analysis of vehicle path diameter and measured yaw rate ratios, Polaris believes a yaw rate ratio limit of 4.5 in each turn direction will ensure that vehicles do not exhibit divergent instability.
- Polaris recognizes that some vehicles may require adjustments to meet the proposed yaw rate ratio requirement.
- Variability in test measurements will require manufacturers to design to a value below 4.5 to ensure that vehicles pass the proposed requirement.

CPSC staff thanked ROHVA and Polaris for the obvious effort in developing requirements to address staff's concerns. Staff also urged ROHVA and OPEI to ballot their respective proposals in order for staff to provide comments.

MEETING ATTENDANCE RECORD
ROHVA – October 5, 2015

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