

# Light Vehicle Rollover Prevention Training

---

Dear NETS Members,

February 26, 2010

Mike Watson sent me a question concerning light vehicle rollover prevention training programs. Please see Mike's full question, below

Page | 1 Responses and respondents follow Mike's question.

Please contact me if you have any questions or suggestions.

Jack Hanley

NETS

Executive Director

[jhanley@trafficsafety.org](mailto:jhanley@trafficsafety.org)

---

## Light Vehicle Rollover Prevention Question

We are experiencing a fair number of light good vehicle rollovers (passenger cars and pick-up trucks) in certain parts of the world (e.g. middle east, Africa and eastern Europe) and would be curious if any of the NETS members have a good, effective vehicle rollover prevention training programme used for their drivers?

Mike Watson  
Group Road Safety Manager  
Shell International  
[Mike.Watson@shell.com](mailto:Mike.Watson@shell.com)

---

# Light Vehicle Rollover Prevention Training

## Responses

Page | 2

	<b>Respondent/Company/Email</b>	<b>Response</b>
1.	John Anderson/Pioneer <a href="mailto:john.h.anderson@pioneer.com">john.h.anderson@pioneer.com</a>	We do not have a specific light vehicle rollover prevention program. Rollover awareness/prevention is addressed inside the different trainings and programs that we have. (Example: rural driving course where 75% of these rollovers occur.)
2.	Rocco Di Taranto/Roche <a href="mailto:rocco.di_taranto@roche.com">rocco.di_taranto@roche.com</a>	We currently do not have anything in place to address this as a training issue.  For all vehicles in which Electronic Stability Control is available, if it is not standard equipment, we include the option on the vehicle.
3.	Bob Holman/Merck <a href="mailto:robert_holman@merck.com">robert_holman@merck.com</a>	We don't necessarily have a prevention program, but our approach has been to make a strong effort to procure vehicles with Electronic Stability Control to the extent possible as part of our global vehicle safety management system. I recognize that this can be a challenge in the parts of the world Mike describes
4.	Sandy Lee/Lina Uribe Johnson & Johnson <a href="mailto:SLee3@its.jnj.com">SLee3@its.jnj.com</a> <a href="mailto:LUribe@its.jnj.com">LUribe@its.jnj.com</a>	Of all our regions, our LAC region addresses this topic most thoroughly and specifically. Please see response from Lina Uribe below. Sandy Lee  Among the many different driving hazards and aspects presented in the BTW training, rollovers are discussed as follows:  *Influence of travel speed and the laws of Physics applied to driving. Forces that act on vehicles (yaw, pitch, roll). *Factors that influence vehicle handling and lateral stability, especially when negotiating curves. *Technology (Active Safety) that contributes to driving safety. *Static and dynamic weight transfer. Influence of the load being transported. * Consequences of a rollover. * Preventive driving techniques /preventability  The hands-on session of the BTW training allows us to present and practice the following elements:

# Light Vehicle Rollover Prevention Training

---

		<ul style="list-style-type: none"><li>*Confirm the aspects presented during the theoretical session.</li><li>*Demonstrate and make participants aware of driver and vehicle possibilities and limitations.</li><li>*Identify and revise incorrect driving habits and behaviors that may affect driving inputs as well as the vehicle handling.</li><li>*Experience the lateral forces that are exerted on the vehicle and their influence on vehicle stability/rollovers</li><li>*Practice vehicle control techniques while negotiating curves</li></ul> <p>The hands-on session of the BTW 2 module includes specific exercises in curves and lateral displacement both in conventional as well as emergency situations.</p>
--	--	---