2013 European Workshop
AFB20 (2) Roadside Safety Design
International Research Activities Subcommittee
9:00 AM –6:30 PM Thursday, April 11, 2013
Co-Chairmen: Rod Troutbeck and Michael Dreznes

CEN-CENELEC Management Centre
Avenue Marnix 17
B-1000 Brussels
Room: Newton A+B

AGENDA

9:00 am Opening Remarks – Rod Troutbeck and Michael Dreznes
Self-Introductions - Dreznes
Membership Status – Troutbeck

Welcome Presentation

CE marking conditions for the road safety barriers placed as products on the EU market
George Kastarakis (European Commission – DG Enterprise)

Focus Topic Presentations

SESSION I: EN 1317 Framework – CE Mark and EU Rules for Road Restraint Systems
Chairman: Franz Muller

1. Revision of the hEN1317-5 – Modifications of the EU Harmonized Standard – Procedural Improvements
   Luca Felappi (Arcelor Mittal),
2. Revision of the hEN1317-5 – Modifications of the EU Harmonized Standard – Technical Improvements
   Luca Felappi (Arcelor Mittal) and Franz Muller (Road Safety Consultant), ITALY
3. Soil and EN 1317: Origin, Development and Proposal
   Matteo Pezzucchi (Norwegian Public Road Authority), NORWAY
4. Effects of Materials Tolerances on the Design of Road Safety Barriers
   Claudia Cofano (GDTECH), BELGIUM
5. Use of Computational Mechanics Methods Within EN1317
   Clément Goubel (LIER), FRANCE

11:15 am BREAK

SESSION II: Innovation for Roadside Safety
Chairman: Angel Martinez

6. SAVERS (Selection of Appropriate Vehicle Restraint Systems) Project
   Francesca La Torre (University of Florence), ITALY
7. Roadsense, Prevention of Involuntary Lane Departure by Road Audio-Tactile Alert
   Pierre Anelli (Aximum), FRANCE
8. Historical Review and Current Situation for Road Restraint Systems in Spain
   Sergio Corredor (SIMEPROVI), SPAIN
9. In-situ Concrete and Precast Technology Go Together for the Next Generation of
Concrete Barriers
Thomas Edl (DELTA BLOC), AUSTRIA

10. Roadside Safety Evaluation Software for Portugal
Carlos Roque (National Laboratory of Civil Engineering), PORTUGAL

11. Technical Innovation for Safer and Sustainable Steel Safety Barriers – Present and Future,
Christina Rodriguez (GRUPO CONDESA), SPAIN

12. Optimizing Crash Cushion Selection based on Performance, Physical Constraints and Reusability
Luigi Grassia (University of Naples), ITALY

13. Installation of Steel Guardrails on Bridges - Belgian Developments
Joseph Marra (GDTECH) and Kris Redant (BRRC), BELGIUM

14:00 pm LUNCH

SESSION III: Workzone Safety / Experience with Crashworthy Terminals & Transitions

14. Portable Steel Barriers & Gates
Tobias Schneider (SGGT), GERMANY

15. Temporary Portable Rumble Strips in Work Zones
Tim Cox (Plastic Safety Systems), USA

Zaier Zaidi (National Highway Authority Pakistan), PAKISTAN

17. Work Zone Safety by using the Low Angle (T) Containment Levels of EN 1317
Jan Droege (Volkmann & Rossbach), GERMANY

18. Evaluation of 12m Long Turned Down End Terminal Using Full Scale Crash Testing and Finite Element Simulation
Ali Osman Atahan (Mustafa Kemal University), TURKEY

19. Evolution of Steel to Concrete Transitions from 1974 to EN 1317-7
Heike Becker (Einfeldt & Partner GbR), GERMANY

4:30 pm BREAK

SESSION IV: Forgiving Roadsides according to the EN 12767 / Motorcycle Safety

20. “Forgiving” Roadsides by Using Passive Safe Road Infrastructure According to EN12767
Carolien Willems (Safety Product), BELGIUM

21. Guidelines for the Approval and Installation of Forgiving Roadside Poles in Israel
Victoria Gitelman (Ran Naor Road Safety Research Centre), ISRAEL

22. Warrants and Standards for Motorcycle Protection at Crash Barriers in Israel
Victoria Gitelman (Ran Naor Road Safety Research Centre), ISRAEL

23. Trees in Non-Urban Areas and European Road Safety
Myrko Bellmann (Volkmann & Rossbach), GERMANY

6:30 pm FINAL COMMENTS AND ADJOURNMENT