Introduction

Dr Guy Descornet

BRRC, Belgium

Information Network on QUiet European road Surface Technology

Ljubljana, 25 April 2008
Noise ranges for different surfaces

French database (SPB, light vehicles, 90 km/h)
The context

• Road traffic noise level
  • Threshold of annoyance: 55 dB(A)
  • Threshold of unacceptability: 65 dB(A)
• The road surface can make that difference
• Important issues still to be clarified
The SilVia Project

Sustainable Road Surfaces for Traffic Noise Control

European Commission, DG TREN – FP5 - Growth
Contract N° GRD2-2000-31801-SI2.335701
(01 September 2002 – 31 August 2005)
SilVia - Objectives

General

To provide decision-makers with a tool allowing them to rationally plan traffic noise control measures including low-noise road surfaces.

Specific

• Guidance and advice:
  • Handbook covering all practical aspects, among which, in particular:

• Costs & benefits:
  • Sustainability – Durability – Maintenance - Safety - Other impacts

• Integration with other noise control measures:
  • Noise barriers - Façade insulation - Traffic management

Classification:
  Type approval (labelling) - Conformity of production (COP)
The INQUEST Project

Information Network for Quiet European road Surface Technology

European Commission DG RES – FP7 – Coordination Action
Contract No TCA5-CT-2006-031409
(01 June 2006 – 31 May 2008)

Partners: FEHRL – TRL – DRI - BRRC
Objectives

General

• To foster the use of low-noise road surfaces throughout Europe as a valuable tool for traffic noise control in response to the Environmental Noise Directive 2002/49/EC.
Specific objective n°1

- To disseminate European research results through Workshops in EU Member States that were not involved in the SILVIA project:

  Madrid, 2 October 2006
  Ljubljana, 21 November 2006
  Bucharest, 24 May 2007
  Zürich, 14 November 2007
  Brno, 23 November 2007
  Lisbon, 3 December 2007
  Athens, 14 March 2008
Specific objective n°2

• To set up a group of users of the classification (including labelling and COP) procedures developed by SILVIA with a view to paving the way to a future CEN standard:

Ljubljana, 25 April 2008
Performance management of low-noise pavements

A decision-support guide

[November 2007]

Countries involved: NL, SE, UK, NO, CH, BE, DK

Main recommendation:

“To introduce a Type approval testing (TAT) and a Conformity of production (COP) procedure”
Programme - 1st Part: Motivation and background info

Introduction
Guy Descornet, Belgian Road Research Centre, Brussels

Point of view of the EC
Maria-Christina Marolda, Transport Safety Programme Officer, CEC DG RTD

The need for harmonization
Luc Goubert, BRRC, Brussels

Presentation of the SILVIA classification proposal
Phil Morgan, Transport Research Laboratory Ltd, United Kingdom

Presentation of the SILENCE classification proposal
Guy Descornet
Programme - 2nd Part: 
The current situation

Review of current practice and prospects in European countries

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<thead>
<tr>
<th>Country</th>
<th>Speaker and Institution</th>
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<tr>
<td>Slovenia</td>
<td>Mihael Ramsak, ZAG</td>
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<td>Sweden</td>
<td>Ulf Sandberg, VTI</td>
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<td>Denmark</td>
<td>Jørgen Kragh, DRI</td>
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<td>Austria</td>
<td>Jürgen Haberl, Heller Ingenieurgesellschaft GmbH</td>
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<td>Germany</td>
<td>Wolfram Bartolomaeus, BASt</td>
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<td>Netherlands</td>
<td>Rob Hofman, RWS</td>
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<td>United Kingdom</td>
<td>Phil Morgan, TRL Ltd</td>
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<td>France</td>
<td>Philippe Klein, INRETS</td>
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<td>Spain</td>
<td>Adolfo Guëll, Ministerio de Fomento</td>
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The need for a User Group
Hans Bendtsen, Danish Road Institute, Denmark

Discussion on whether and how to organize a Users Group
Hans Bendtsen, moderator

Conclusions
Hans Bendtsen

[Closure: 16:00]