**Action 354**

**Performance Indicators for Road Pavements**

Participating countries: AT, BE, BG, CH, CS, CZ, DE, DK, ES, FI, FR, GB, GR, HU, HR, IT, NL, NO, PL, PT, RO, SI, SE, US

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**Working Group 1 - Inventory**

The aim of Working Group 1 is to produce an inventory on performance indicators for road pavements used across Europe and USA, taking into account different road categories and pavement types. The inventory covers also information of each individual performance indicator about the target values and limits as well as applied transformation functions, classification systems and methods of measurement and data collection.

**Working Group 2 – Single PI**

The aim of Working Group 2 is the selection of adequate single performance indicators, a recommendation of target values and limits, and the development of transfer functions to transform technical parameters (e.g. IRI, rut depth) into dimensionless indices based on an uniform European assessment scale.

**Working Group 3 – Combined PI**

Based on the results of the previous Work Packages, Working Group 3 focuses on the development and the definition of combined performance indices with regard to the demands of a pavement construction (safety, comfort, structural, and environmental). It includes a recommendation of combination procedures and input parameters (single PI).

**Working Group 4 – General PI**

Working Group 4 aims at the definition of a general performance indicator, which should enable to describe the overall condition of a pavement construction in form of one single value. It contains finally the information of each single index and the combined performance indexes and will have an important function with regard to decisions on policy level or high administrative level.

**Working Group 5 – Final Report and Seminar**

The activities of Working Group 5 focus on the Final Report of the Action, to prepare the dissemination, and to organize the Final Seminar, which will be held at the 3rd European Pavement and Asset Management Conference in Coimbra, Portugal in July 2008.

**Main Achievements:**

- Comparison of road networks and identification of investment requirements
- Basis for the development of international standards regarding to pavement condition
- PI for national and international road audits
- Widening the market for supervision and construction within Europe and thus strengthening the competition
- Use of PI as target criteria in life cycle analysis (pavement design, systematic road maintenance) at the national and the European levels
- Evaluation of effects of different design and maintenance strategies
- PI as objective assessment criteria in the context of privatisation (PPP, BOT)