
Working Group – ICT for Clean & Efficient Mobility

**Working group drafting meeting
11 March 2008**

ACEA, Brussels



Agenda

10:00 Meeting start

Meeting objectives

Priority ITS/ICT/eSafety technologies and measures

Recommendations

Complementary material

application profiles

R&D results

evidence of environmental impacts of ITS

Tasks, responsibilities, timescale

16:30 Meeting close

Apologies

- **Isabel Wilmink, TNO**
- **Robin North, Imperial College**
- **Mikael Söderman, Volvo Technology**
- **Manfred Buck, Daimler**

- **Antonio Marques, ETRA (will be late)**

WG Report – purpose, outline

- **Confirm priority ITS / ICT measures to contribute to environmental benefits**
- **Summarise evidence of benefits & environmental impacts of ITS**
- **Formulate recommendations to promote development & take-up of ITS for clean & efficient mobility**

Attendance

- Wolfgang Reinhardt, ACEA
- Olivier Lenz, FIA
- Joachim Scholten, BMW
- Antonio Marques, ETRA
- Eva Boethius, EC DG INFSO
- Fulvio Sansone, Oracle
- Thomas Benz, PTV
- Rudi Lagerweij, Vialis
- Paul Kompfner, ERTICO

Priority “Green ITS” measures



- Eco-driving support
- Urban traffic management
- Access management & control
- Navigation, route/parking/multimodal guidance



- Eco-driving support
 - gearshift indicator
 - fuel consumption feedback
 - tyre pressure feedback
 - cruise control
- Traffic management (urban & extra-urban)
- Navigation etc guidance

Priority “Green ITS” measures

- - Eco-driving measures
 - Traffic management
 - RTTI (driver traffic information – roadside, in-vehicle)
 - Navigation & route guidance
- - Eco-driving support, with active feedback
 - Demand management, access control/charging
 - Pre-trip information
 - Traffic signal optimisation (dynamic)
- - RTTI (pan-European interoperable services)
 - Multi-modal travel information
 - RT parking information & guidance
 - Access control, road charging

Priority “Green ITS” measures



- Urban traffic management (incl traffic light optimisation)
- Eco-driving – feedback gearshift control etc
- RTTI & navigation – dynamic in-vehicle nav, parking guidance
 - complete network trip time
 - individual optimisation for each traveller’s trip
- Pre-trip info, multimodal options



- Eco-driving support
- Eco-traffic management & traffic signal control
- On-trip information & guidance (traffic, incident, park)
- Demand management (access, pricing, incentives...)

Priority “Green ITS” measures

- - Eco-driving support – feedback
 - gearshift indicator; auto gearbox; tyre pressure control
 - Demand management, access management
 - sensitive areas
 - RTTI, navigation
 - Efficient urban traffic management
- - Information on travel/mobility options available
 - multimodal; environmental cost
 - Environment-aware traffic management
 - environmental goals; sensors; optimisation wrt environmental parameters
 - Internalising of external costs
 - pay as you use; flexibility in cost structures
 - Adaptive traffic management & information
 - cooperating; coherent; integration between systems

Priority “Green ITS” measures



- Traffic management
- Eco-driving
- Multi-modal traveller support tools
- Logistics

Forthcoming calls for study/proposals

- DG INFSO – study of impact of ICT on energy efficiency in road transport; impact of energy efficiency on CO2 production; indicate future R&D needs (budget €200K) – date?
- Next Call for Proposals (FP7) – to be issued end of 2008, will include “Green ITS” topics
- Internet consultation on ITS Action Plan - http://ec.europa.eu/transport/road/consultations/its_en.htm
- Public meeting 26 March 2008, EC
- City Energy Efficiency Pilot Projects – call open 29 April – 9 September

■ http://ec.europa.eu/information_society/activities/ict_psp/participating/calls/call_proposals_08/index_en.htm

Workplan

■ Tasks

- Complete Measure profile forms (editors & support): final version by Weds. 9 April; first draft by 26 March
- Circulate papers from today's meeting – this week
- Send notice of next meeting to larger group
- 24-25 April: METI delegation visit
- 24-25 April: eSafety Forum plenary meeting & report from WG ICTCEM
- Update draft report – by 30 April (include feedback from eSafety plenary)

■ Timescale

- next meeting: 7 May
- final report by end July

Input from TISA : Traveller Information for environment

Pre-journey

- Eco-weighted mode selection and multi-modal routing

En route

- Dynamic information for emissions charging zone entry warning / eco-rerouting based on environmental conditions / Eco-ADAS
- Congestion avoidance with 'smooth' rerouting for minimum CO₂
- Public transport information – TPEG work item in TISA
- TISA Technical Committee & TPEG Application WG welcome input of eco-related TI use cases

Post journey

- Personalised eco-driving tips or carbon credit balance