



RTTI questionnaire report

6-7 December 2007
Lisbon, Portugal

[List of Country Acronyms



<i>Acronyme</i>	<i>Country</i>
AU	Austria
BE	Belgium
CY	Cyprus
CZ	Czech Republic
DE	Germany
EE	Estonia
ES	Spain

<i>Acronym</i>	<i>Country</i>
FI	Finland
FR	France
HU	Hungary
LV	Latvia
NL	The Netherlands
RO	Romania
SL	Slovenja



[Extent and Quality of TTI



Question		AU	BE	CY	CZ	DE	EE	ES	FI	FR	HU	LV	NL	RO	SL
Availability	High	Dark Blue	Light Blue	Light Blue	Light Blue	Dark Blue	Light Blue	Dark Blue	Dark Blue	Light Blue	Light Blue	Light Blue	Dark Blue	Light Blue	Dark Blue
	Limited	Light Blue	Light Blue	Dark Blue	Dark Blue	Light Blue	Dark Blue	Light Blue	Light Blue	Dark Blue	Dark Blue	Light Blue	Light Blue	Light Blue	Light Blue
	Very limited / None	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Dark Blue	Light Blue

Compiled by Dr Alessandro Carrotta (a.carrotta@esafetysupport.org) - eSafety Support
 Based on the eSafety National Observers Questionnaires
 November 2007

- Data have been partly deducted, when not explicitly declared, from the report.
- No homogeneous data collection due to the lack of an harmonised indicator



[Extent and Quality of TTI

Good availability

- AU: RDS-TMC v2.0 available nationwide, TTI via VMS
- DE: 100% coverage, 10 public broadcasters, private radios (50 channels in total)
- ES: regional system, WEB, WAP, RDS-TMC, VMS, phone, route planning and TT
- FI: 250 KM (3500KM by 6/2008), 330 weather monitoring stations, road data on travel time, limited urban availability (except Tampere and Oulu)
- FR: mainly in suburban highway networks (Paris, Lyon, Lille). Web services for mobile phones (Paris, Rennes, Nantes)
- HU: VMSs on the motorway, coverage of urban areas
- NL: main RTTI services are guaranteed, still niche services missing
- SL: Good organisation but data collection to be improved

Limited availability

- CY: some info disseminated on the media (no traffic webistes)
- CZ: national + regional centres (Prague area + north Bohemia)

No availability

- EE: web travel planning systems, no real time information
- RO: in the process of adopting documents for data collection



[Structure and organisation

A description has been given by:

- AU: list of parties
- DE: detailed description
- EE: summary description of the process
- ES: detailed description
- FR: (SDIR organising + list of parties)
- HU: list of parties
- NL: diagram
- SL: list of parties and description of the process

[Standards

- CZ: CEN/TC278, ALERT, TP172 (special Czech standard)
- ES: Datex, several standard defined/adopted at national level
- FI: TelemArk architecture (xml interfaces), Traffic Information Platform
- RO: Trying to adopt Datex2
- SL: ALERT-C, Datex2 planned

- FR: no info about standards
- CY: no structure, no standard yet

[Accessibility of TTI

<i>Question</i>		AU	BE	CY	CZ	DE	EE	ES	FI	FR	HU	LV	NL	RO	SL
Data gathered	Publicly		☆	■	■	■	■	■	■	■	■	☆	?	■	■
	Privately		☆	■	■	■	■	■	■	■	■	☆	?	■	■
Service for the end user	Pay	■	☆	■	■	■	■	■	■	■	■	☆	?	■	■
	Free	■	☆	■	■	■	■	■	■	■	■	☆	?	■	■

KEY ■ Current situation
 ■ Possible future

- CZ: free service, only pictures from traffic cameras at 0.3€ each
- FI: Data is free for partners organising services for the end users
- RO: TTI collected by phone/internet (no automatic collection) and displayed on a web page
- SL: free TTI, special contract for point-to-point distribution



[Cross border support

- AU: cooperation with Italy and Germany
- CY: none (being an island)
- CZ: test in the CONNECT project (electronic fee collection)
- DE: euro-regional projects operating cross-border info exchange
- EE: cooperation with Finland, Latvia, Lithuania and Russia
- ES: Datex, national links (Catalonia and Basque country), Spanish node linked with France and Portugal
- FI: Sweden (Datex), Russia, TTIS services (Viking project), Baltic sea ferry data pool
- FR: Compatible standards: CROSS CHANNEL project (SANEF, EUROTUNNEL), SERTI (French-Spanish border)
- HU: CONNECT project
- NL: collaboration with Belgium and Germany
- RO: ITHACA project
- SL: TEMPO, EASYWAY, cohesion funds



Plans to extend the monitoring using new technologies/standards



Actual plans

- AU: implementation/improvements for xFCD, sensor technology and sensor data fusion, weather forecasting
- CZ: pilot project on highways, urban project on estimation of TT, web services
- DE: FCD, FPD, FOTs on V2V V2I
- ES: improvement of data acquisition (monitoring traffic conditions, speed, stations), speed control, ramp metering, vehicle fleet data acquisition
- FI: travel time acquiring (Finnra), RTTI collection (Destia)
- HU: CONNECT phase III
- NL: NDW project (data collection on 5600Km of roads)
- RO: Develop a national TIC, and exchange info among regional TICs
- SL: (TEMPO) speed control,, analysis of TMS application effects

Currently under study

- CY: study on the definition of needed architecture
- EE: speed cameras introduction, red-light infringement cameras, ePolice



[Plans for gathering/distributing services with better quality/quantity

Actual plans

- AU: real-time data distribution, location-depending information
- CZ: pilot project on highways, urban project on estimation of TT, web services
- ES: improve number and quality of traffic data sources, common data model and format, building infrastructure to handle traffic management in special events, heavy vehicles tracking
- FI: next generation road surface condition sensors, urban taxi-FCD, trucks XFCD
- FR: extension of 107.7 FM radio coverage to the highway network nationwide, installation of RDS-TMC receivers on new passenger cars
- NL: several regional initiatives
- HU: CONNECT phase III
- SL: improvement of fixed/mobile telecommunication channel, traffic monitoring

Currently under study

- CY: pilot in 2008
- EE: plans to improve RTTI systems in larger cities with support of EU funds



[Plans for the introduction of different service types



Actual plans

- AU: safety-relevant service for free, value-added services (map update, recommended next link, estimated journey time), cross-border information
- EE: speed-showing cameras
- FI: free RTTI radio/internet), cross-border RTTI, Finnra specialising as data provider
- FR: CROSS CHANNEL project (SANEF, EUROTUNNEL)
- HU: CONNECT phase III, EASYWAY
- SL: basic services via web, services on devices for other users, cross-border data exchange

No plans

- CY, CZ, ES have no plans as of today



[National Strategies for harmonised usage of TTI (multi-modal)



1
2

Current activities

- AU: harmonisation under the ITS national plan
- CZ: technical issues done by national standard. ITS architecture enables to share different services. No organisation or regulation for harmonisation is present
- DE:
- EE: introduction of the travel planning system covering the whole Estonia
- FI: ITS strategies, national multi-modal travel planner, collect pedestrian routes in road database
- FR: support of standardisation efforts between relevant database by PREDIM
- NL: rules of operation, study of roles, market models, clear distinction between traffic management and traffic information
- SL: multimodal transport web, unique multi-modal travel ticket

Future plans

- CY: plans within the ITS study



[International Activities

Current activities, involvement in organisations

- AU: involvement in European initiative
- DE: TISA forum, networking of broadcasters, police and automobile clubs
- EE: PIARC, IRF and SIRVEC, CIVITAS II smile
- ES: ETTIN, EASYWAY, information exchange between Spain, Catalonia, France, Portugal
- FI: VIKING, EASYWAY, Datex, RDS/TMC Mou, FOTs
- FR: SERTI program, Datex, SIRI
- HU: CONNECT phase III
- SL: between motorway operators of the region, ministries and stakeholders

No activities

- CZ: no activities
- CY: not applicable



[Open Issues



EU level

- No standard or regulation on how to use FCD (CZ).
- Co-operation of all actors across boundaries of responsibilities (DE)
- Creation of a joint view on how to manage traffic and mobility in the future (DE)
- Creation of a vision of responsibilities in an advanced transport system (DE)
- Creation of Private Public Partnerships (PPP) between all actors concerned (DE)
- Indicators for describing and comparing RTTI and relevant services in EU (FI)
- Impact evaluation (FI)
- Pedestrian route information (FI)
- Harmonisation of EU routes and timetable info and service interface, including RTTI (FI)
- Datex2 implementation (FI)
- Floating phone data (FI)
- Electronic Vehicle Identification (FI)
- Open telematics platform (FI)
- Use of dvb-h (FI)

