TRIDENT

Project ID: IST-1999-10076
Funded under: FP5-IST

Transport Intermodality Data sharing and Exchange NeTworks

From 2000-01-01 to 2002-09-30 | TRIDENT Website

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>EUR 3 462 660</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU contribution:</td>
<td>EUR 1 477 619</td>
</tr>
<tr>
<td>Coordinated in:</td>
<td>Belgium</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Topic(s):</th>
<th>1.1.2.-1.6.1 - Intelligent infrastructure and mobility management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding scheme:</td>
<td>CSC - Cost-sharing contracts</td>
</tr>
</tbody>
</table>

Objective

To encourage travellers to make use of different modes of transport, the switch from one means of transport to another has to be smooth and easy. This requires reliable and efficient communication between the different transport modes, in order to provide multi-modal services with a high level of quality, reliability and timeliness. The TRIDENT project aims to establish mechanisms for the sharing and exchange of common and reusable data to enable and support multimodal services.

Objectives:
The goal of the project is to support multimodal travel ITS services by establishing the common and reusable mechanisms that are required for sharing and exchanging data between transport operators and authorities of different modes (bus tram/metro, rail and road). It will also investigate and propose solutions for well known organisational and strategic issues hampering travel intermodality. This will lead to proposals for new standards as well as to recommendations supporting the implementation of systems based on the project’s results.

Rapid progress is anticipated on the specifications supporting an EDI approach, exploiting results from the 4FP (extensions of data dictionaries and location referencing rules, new messages for public transport delays, cancellations and schedules, etc). But the main focus of the project will be on the development of common specifications supporting an object-oriented approach. Here, most attention will go to object oriented exchange (e.g. using Java/Corba) and database access techniques (e.g. CGI scripts, federated homogeneous/ heterogeneous databases).

Work description:
The work will begin by compiling an overview of user needs and communication scenarios. This will take full advantage of the user needs material already collected in previous European and national R&D programmes. Non-technical obstacles will also be investigated and recommendations formulated on how these can be overcome. It will actively involve the 8 transport operators in the project (De Lijn, FS, Metro, MVG, Postbus, RATP, SPT and STA) and validate its results through a user needs workshop (10th April in Leeds, UK) that is open to all European operators.

Based on the user needs analysis, the project will then concentrate efforts towards:
(1) the development of common specifications and
(2) the development of common prototypes (reusable mechanisms).

Each part will distinguish between two phases:
(a) a first phase will finalise key outstanding issues related to the EDI approach that was widely investigated in the 4FP and
(b) a second phase will develop an object oriented approach, focusing on the use of more recent technologies such as object oriented exchange and database access techniques.
For each phase, interim results will be made available at an early stage to CEN to seek feedback from the standardisation bodies as well as from concerned operators. As the main area of innovation, the proposed specifications to support an object oriented approach will also be the subject of a technical workshop open to all interested European actors (7th November 2000, at the ITS World Congress in Turin).

For both phases, the draft common specifications developed will be tested at five sites in Europe (Flanders, Paris, Rome, Bern and West Yorkshire & Strathclyde). The sites will have an active involvement in the work towards the common specifications, prototype development, implementation and tests at the sites as well as in the validation activities. These tests will involve operators of different transport modes (bus, tram, metro, rail and road) resulting in final versions of the specifications. Both draft and final specifications will be presented to the relevant standardisation bodies.

To support the field trials, a common set of assessment and evaluation guidelines will be developed. The assessment and evaluation will cover both the technical assessment of the deployment of the common specifications and modules at test sites and the evaluation of their impact on multimodal services and applications. It will also help finalise the work on recommendations to overcome non-technical issues and support project management in assessing the overall progress of the work. The evaluation results will be presented and discussed at a user forum open to all European operators (scheduled for March 2002).

Finally, the project intends to widely disseminate the project results and to provide an open door for all interested European actors that are not directly involved in the project. Dissemination activities will include a project website, newsletters and a brochure. A technology implementation plan will also be produced.

Milestones:
The key end-products of the project will be prototypes (reusable mechanisms) supporting an EDI approach and object oriented approach available on the project website. Validated specifications will also be sent to the relevant standardisation bodies. The final development of the project will be a technology implementation plan showing how the proposed solutions can be used throughout Europe.

Coordinator
EUROPEAN ROAD TRANSPORT TELEMATICS IMPLEMENTATION COORDINATION ORGANISATION
S.C.R.L.
AVENUE LOUISE 326
1050 BRUSSEL
Belgium
See on map

Administrative contact: Peter VAN DER PERRE
Tel.: +32-2400-0736
Fax: +32-2400-0701
E-mail

Participants
AGENZIA PER I TRASPORTI AUTOFERROTRAMVIARI DEL COMUNE DI ROMA
VIA VOLTURNO 65
00185 ROMA
Italy
See on map

Administrative contact: Michele IERADI
Tel.: +64-69-54816
Fax: +64-69-54817
E-mail
Administrative contact: Franco MARINO
Tel.: +31-35-26911
Fax: +31-35-20592
E-mail

CENTRE D’ETUDES TECHNIQUES DE L’EQUIPEMENT-MEDITERRANEE
37000 AVENUE ALBERT EINSTEIN-POLE D’ACTIVITES DES MILLES
13791 AIX-EN-PROVENCE
France
Administrative contact: Michele BLACHERE
Tel.: +44-22-47903
Fax: +44-22-47929
E-mail

LA POSTE SUISSE CAR POSTAL
AVENUE DE LA FRANCE 4
1951 SION
Switzerland
See on map
Administrative contact: Jean Michel GERMANIER
Tel.: +27-32-73444
Fax: +27-32-26126
E-mail

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP
EJACQMAINLAAN 156 BUS 2
1000 BRUSSEL
Belgium
See on map
Administrative contact: Reginald KEYGNAERT

MIZAR MEDIASERVICE S.R.L.
VIA GIANMATTEO GIBERTI 7
37100 VERONA
Italy
See on map
Administrative contact: Michele MANZATO
Tel.: +39-04-58012501
Fax: +39-04-58012439
E-mail
MVA LIMITED
MVA HOUSE, VICTORIA WAY
GU21 1DD WOKING, SURREY
United Kingdom
See on map

Administrative contact: Jonathan BOOTH
Tel.: +44-14-83728051
Fax: +44-14-83755207
E-mail

REGIE AUTONOME DES TRANSPORTS PARISIENS
54 QUAI DE LA RAPEE
75012 PARIS
France
See on map

Administrative contact: Lionel MORLE
Tel.: +14-81-39825
Fax: +14-81-52810
E-mail

S.T.A. SOCIETA TRASPORTI AUTOMOBILISTICI SOCIETA PER AZIONI - AGENZIA PER LA MOBILITA
DEL COMUNE DI ROMA
VIA OSTIENSE 131/L
00154 ROMA
Italy
See on map

Administrative contact: Fabio NUSSIO
Tel.: +39-06-57118469
Fax: +39-06-57118547
E-mail

TRANSPORT, INFRASTRUCTURE & TELEMATICS NV
BOUDEWIJNLAAAN 18
1000 BRUSSEL
Belgium
See on map

Administrative contact: Katia VAN HEMELRIJCK
Tel.: +26-63-0100
Fax: +26-60-4602
E-mail
Administrative contact: Guido VANDENBRIL
Tel.: +15-44-0839
Fax: +15-44-0996
E-mail

WEST YORKSHIRE PASSENGER TRANSPORT EXECUTIVE
40/50 WELLINGTON STREET
LS1 2DE LEEDS
United Kingdom
See on map

Administrative contact: John CARR
Tel.: +11-32-517202
Fax: +11-32-517333
E-mail

Subjects
Economic Aspects - Information Processing and Information Systems - Transport

Last updated on 2005-06-13
Retrieved on 2019-07-06

© European Union, 2019