

Authors (from body, name, chairman and secretary of the body) Aki Siponen, Anna Higgins, Mikko J. Lehtonen, Juha Levo, Jukka Lähesmaa, Pasi Mäkinen, Risto Öörni	Type of publication	
	Assigned by <b>Ministry of Transport and Communications</b>	
	Date when body appointed	
Name of the publication <b>Real-time Traffic Information Architecture Final Report</b>		
Abstract <p>Real-time transport information architecture is described within the R&amp;D programme (AINO) on real-time transport information in 2004-2007 of the Ministry of Transport and Communications Finland. The work is a continuation of national traffic telematics architecture development that has been ongoing since 1998.</p> <p>The architecture aims at clarifying roles and responsibilities in the field of real-time transport information, describe possible value chains for real-time traffic information services and present the effects of realizing those services.</p> <p>The architecture describes the service transport mode independent processes for transport and public transport networks as well as traveller in planning and realizing multimodal travelling with the focus in the processing and utilization of real-time traffic and transport information, analyzes interactions of other transport modes with road transport in information gathering, processing and delivering and presents data models for real-time traffic and transport information as well as essential static information.</p> <p>In the target situation the traveller have the advantage of real-time traffic and transport information for all transport modes in planning travel and during the journey enabling fluent transfer between modes of transport and safer and more efficient use of the transport system.</p> <p>The research examines development paths towards the target state and identifies essential development areas. Logical information storages for transport networks and public transport are seen as the most essential areas of development. Further studies are required to determine benefits of centralization or decentralization of data storage.</p> <p>The research proposes that the principal organizations in traffic and transport sector need to make a common effort into sustainable organization of traffic and transport information infrastructure implementation in Finland and ensuring the realization of the implementation, close monitoring and utilization of traffic and transport information standardization and related EU-projects as well as advancing competencies in Internet-technologies.</p>		
Keywords Real-time traffic and transport information, traffic and transport processes, telematics, architecture		
Miscellaneous		
Serial name and number <b>AINO publications 20/2005</b>	ISSN	ISBN <b>ISBN 952-201-972-0</b>
Pages, total <b>115</b>	Language <b>Finnish</b>	Price
Distributed by <b>VTT Building and Transport</b>		Confidence status <b>Public</b>
Published by <b>Ministry of Transport and Communications</b>		