

## DESCRIPTION

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| <p>Authors (from body, name, chairman and secretary of the body)<br/>Väyrynen, Markus; Granqvist, Jani; Hiljanen, Harri; Levo, Juha; Siipo Juho</p>   | <p>Type of publication</p>                                       |  |
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| <p>Name of the publication<br/>Telematics architecture for the border crossing freight transport between Finland and Russia, Feasibility study</p>  |  |  |
| <p>Abstract</p> <p>The objective of the study was to define framework and plan for the development of the telematics architecture for the border crossing freight transport. Study aimed to clarify the collaboration and development needs between Finland and Russia and also to form common vision of the border crossing transport and its development. The viewpoint of the study was freight transport on roads and rails. The focus of the feasibility study was freight transport on roads.</p> <p>The present border crossing transport functions were divided in five areas: controlling the foreign trade and transport, controlling entry into and departure from the country, traffic management and information, managing border crossing transport permits, managing the supply chain. At the same time actors and their roles were defined.</p> <p>Improvement of the predictability of the border crossing time, managing the border crossing transport as a whole and developing the computerised transit system in collaboration with Russia were defined the most important development areas.</p> <p>The process areas which should be described in the architecture are</p> <ul style="list-style-type: none"> <li>– Customs and freight transport control</li> <li>– Controlling entry into and departure from the country</li> <li>– Import by road transport</li> <li>– Traffic management in border crossing</li> <li>– Administration processes</li> <li>– Import and export by railroads.</li> </ul> <p>At first it is important to describe the concepts of border crossing transport. The architecture itself should be described in two phases, first the present situation and then on the grounds of that the intended objective. The systems and functions should be developed in collaboration between Finland's and Russian's authorities and between private actors. For private sector the architecture enables more efficient operations and easier design of systems and functions. For public sector it enables elimination of overlapping functions and better development of co-operation.</p> |  |  |
| <p>Keywords<br/>Border crossing transport, telematics, architecture, freight transport, logistics, processes, framework</p>   |  |  |
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