

RCC Rail Safety, Dangerous Goods, and Intelligent Transportation Systems (ITS) Working Group: ITS Work Plan

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Preamble Text:

Coordinated standards for intelligent transportation systems (ITS) will promote the seamless development of tomorrow’s vehicle technologies and infrastructure and will allow the two countries to be global leaders in this area.

Timelines and Deliverables:

Action Plan Initiative	Work together on the development of standards to fully support the integration of intelligent transportation systems.			
Deliverable outcome	The United States and Canada will commit to the update of the ITS Architecture to ensure that both countries are building on a solid framework for coordination. Based on this joint framework, both countries will review the need for additional standards and coordination of standards. Canada and the U.S. will continue to meet on a semi-annual basis to coordinate bi-national ITS initiatives and standards development, and to identify those standards to refer to the Motor Vehicle Working Group for consideration.			
Action items	Initiative 1: Update the Border Information Flow Architecture (BIFA) for ITS	Initiative 2: In coordination with industry, identify existing and/or develop new standards to guide the implementation of ITS.	Initiative 3: Review current US/Canada policies and procedures related to ITS and identify opportunities for better coordination.	Initiative 4: Identify the opportunity for bi-national ITS initiatives and develop implementation plans
	Deliverables			
3-6 Months	Review lessons learned from recent applications of the BIFA.	Review recent updates to the Canada and U.S. ITS Architectures*. Identify new data standards needed for ITS, and promote use of new standards by the relevant industries. *The ITS Architecture is a planning tool that specifies functions, stakeholders, interfaces and other elements at a high level to support interoperability and common protocols.	Identify opportunities for bi-national coordination in this area, with an emphasis on connected vehicles.	Develop a bi-national plan for the Beyond the Border initiative to implement a border wait-time measurement system at mutually determined high priority Canada-U.S. border

<p>6-12 Months</p>	<p>Use the normal ITS Architecture update process to identify potential changes to update BIFA.</p>	<p>Engage in activities to ensure equal participation of Canada and U.S. Stakeholders in developing and implementing an internationally harmonized ITS standardization program for technical and data standards.</p>	<p>Utilize open public forums to actively engage stakeholders on bi-national ITS issues, advertise open public meetings to Canadian and U.S. stakeholders.</p>	<p>Finalize work plan for implementation of the Border Wait Time measurement component.</p>
<p>12-18 Months</p>	<p>Gather stakeholder input through the Transportation Border Working Group meeting (Spring 2012) and other outreach forums.</p>	<p>Incorporate identified changes, as required, into ITS Architecture update. Actively seek opportunities to bi-nationally pilot ITS communications platforms to include but not limited to 5.9GHz, and document associated standards and protocols.</p>	<p>Conduct joint studies and pilots to develop concepts that facilitate seamless vehicle-to-infrastructure communications and applications across borders.</p>	<p>Develop innovative mechanisms for co-funding bi-national initiatives.</p>
<p>Beyond 18 Months</p>	<p>Continue to meet on the margins of the TBWG meetings to review the BIFA and make incremental updates as needed.</p>	<p>In collaboration with international stakeholders, develop a standardization plan for connected vehicles for data and technical standards.</p>	<p>Meet semi-annually to identify and carry out actions to better harmonize policies and standards and to identify standards to refer to the Motor Vehicle Working Group for consideration to ensure information flows to support seamless movement across the Canada-U.S. border.</p>	<p>Complete the first set of implementations under the Border Wait Time measurement initiative.</p>

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