



ITS Canada News

ITS Canada Mission to the United Kingdom

ITS Canada is planning a mission to the United Kingdom this fall, the highlight of which will be participation in the 13th World Congress, being held October 8 to 12 in London. A side trip to Wales is also anticipated. Members are encouraged to contact ITS Canada if interested in participating in the mission and/or ITS Canada's exhibit booth at the World Congress.

Colin Rayman, General Manager of ITS Canada, is organizing and moderating a session on October 11 at the World Congress. The session, "Policy and Institutional Challenges - Privacy, Data Ownership, and Liability", will explore the need for the public to feel confident that their personal information remains private and they retain reasonable control over that information, including data about their vehicles and their activities.

"ITS can succeed only if the vehicle manufacturers and infrastructure operators who introduce safety-enhancing systems can do so without assuming unreasonable liability risks," says Mr. Rayman. "As always, the challenge is determining what 'reasonable' means across the spectrum of situations and requirements, including the requirements of public safety agencies as well as those of vehicle and infrastructure interests."

Confirmed speakers for the session include:

- Susan Spencer, Director of the ITS Office at Transport Canada
- Joseph Lam, Chairman of ITS Canada
- Scott Stewart, Treasurer of ITS Canada / IBI Group
- Richard Mudge, Vice-President, Delcan, USA

For further details about the mission or the above session, please contact Colin Rayman at colin.rayman@itscanada.ca.



Inside This Issue

Articles

- ITS Canada Mission to the World Congress ...page 1
- Border Information Flow Architecture ... p2

Features

- Members in the News ... p3
- News bITS ... p3
- Upcoming Events ... p4

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Submissions or comments can
be e-mailed to
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Border Information Flow Architecture

Since 1995, trade between Canada and the United States has doubled in inflation-adjusted dollars, growing more quickly than the overall economy. Truck traffic has grown dramatically, with 6.9 million trucks crossing from Canada into the United States in 2004, up from 5.1 million in 1995. Nearly two-thirds of the value of goods traded across the border is transported by truck.

Numerous government agencies operate at or near U.S.-Canada border crossings. In the post September 11 border environment, both the United States and Canada are implementing new processes, procedures, and technologies to enhance security and improve the efficiency of goods movement. Lack of coordination among these various agencies, however, could result in the deployment of technology that is not interoperable, is redundant, and could impede efficient operations.

The Transportation Border Working Group, a bi-national group that works to enhance coordination and planning between the United States and Canada, identified collaboration on the implementation of border technology as one of its key priorities. To advance this priority, the U.S. Department of Transportation (USDOT), Federal Highway Administration (FHWA) and Transport Canada, in partnership with state and provincial transportation organizations, regional planning organizations, and other federal agencies, initiated the development of a Border Information Flow Architecture (BIFA).

The Border Information Flow Architecture is available at <http://www.iteris.com/itsarch/bifa/>.



What is BIFA?

BIFA supports the planning, development, and implementation of ITS and other technology-based solutions at the U.S.-Canada border by identifying agencies at or near the border and mapping information flows between them. A key feature of BIFA is that its definition of ITS projects also includes technologies used by non-transportation stakeholders, such as U.S. and Canadian customs agencies. Completed in December 2005, BIFA is comparable to a regional ITS Architecture template. BIFA is grounded in two general versions of ITS architecture developed at national levels:

- The ITS Architecture for Canada Version 1.1. A description of this architecture is located at www.its-sti.gc.ca/Architecture/english/static/content.htm.
- The U.S. National ITS Architecture Version 5.1. A description of this architecture is located at www.iteris.com/itsarch.

The scope of the BIFA architecture includes:

- Systems (also called elements in regional ITS architecture) that operate at the border and their interfaces. Examples of these types of elements are a bridge or tunnel transportation operations center (TOC) and U.S. border inspection systems.
- U.S. or Canadian systems or elements that interface with cross-border systems and/or share direct interfaces across the border. Examples of these types of elements are a State Department of Transportation Traffic Management Center (TMC) interface with a bridge or tunnel TOC or an interface with a Canadian Provincial Ministry of Transportation TMC.
- The elements at the "edge" of the architecture that interface with those that have no cross-border interfaces. An example of this is an interface between a Provincial Ministry of Transportation TMC and another Provincial TMC.

Additional information about the BIFA architecture is located at <http://www.iteris.com/itsarch/bifa> or contact Jonathan Sabejan, Telephone 613-949-1251, email sabejanj@tc.gc.ca.



ITS Canada News

News bITS

SHOW ME THE MONEY

This summer thousands of city and county officials in the United States will receive a new publication designed to promote awareness of various funding options that are used to support transportation operations at the local, regional and state levels of government.

“Show Me the Money: A Decision-Maker's Funding Compendium for Transportation Systems Management and Operations” provides an overview of existing transportation and non-transportation federal funding sources available to government organizations. The publication includes more than 20 case studies of innovative funding strategies that state and local governments have used to fund transportation operations projects as well as project outcomes.

Members in the News

Applanix has announced the availability of a new waterproof exterior casing for its marine-based onboard position and orientation (POS) technologies, POS MV. The new case allows Applanix POS MV inertial measurement units to be set up in exposed areas that may become vulnerable to water submersion or severe exposure to the elements. The cover is compliant with IP68 specifications and is waterproof in depths up to 10 meters. Rugged and durable, it comes with a waterproof connector and cable that plug directly into the standard MV computer system.

POS MV for marine vessels is a user-friendly, turnkey system that provides accurate attitude, heading, heave, position, and velocity data, and represents the latest in state-of-the-art inertial/GPS technology. The system maintains position and orientation accuracy under the most demanding sea conditions, regardless of vessel dynamics. With its high data update rate, POS MV delivers a full six degrees-of-freedom position and orientation solution.

For further information: www.applanix.com

ITS WEB JOURNAL

A new web journal launched early in 2006 is gradually building up content. ITSinpractice is a peer-reviewed online journal published by Traffic Engineering and Control (TEC) in association with ITS United Kingdom. ITSinpractice provides practitioners in the ITS community with the opportunity to publish serious, in-depth papers on recent research and projects, and the practical issues relating to the procurement and deployment of intelligent transport systems. For details, visit:

www.itsinpractice.com

TRANSPORTATION INFORMATION RESOURCES

The Victoria Transport Policy Institute (Victoria, BC), an independent research organization dedicated to developing innovative solutions to transportation problems, has many resources addressing a wide range of transport planning and policy issues. The "Online TDM Encyclopedia" is a free, comprehensive information resource that helps identify and evaluate innovative management solutions to transport problems. See "Transport Model Improvements: Improving Methods for Evaluating the Effects and Value of Transportation System Changes" and "Evaluating Public Transit Benefits and Costs". For details, visit www.vtpi.org/tdm

ITS RADAR

The English Highways Agency is running a project called ITS Radar, which, along with its 'sister' project HA EU Watch, is gathering information and disseminating intelligence on what is happening in ITS worldwide. For details, visit:

www.it radar.co.uk/index.html

CANADA BOLSTERS SECURITY

As reported in the *Globe and Mail* on June 16, 2006, Ottawa will spend \$254-million over the two years on anti-terrorism measures aimed at bolstering the security of Canada's air, rail and marine transport systems. Prime Minister Stephen Harper made the announcement in Toronto. The money for the programs was earmarked in last winter's budget as part of \$1.4-billion set aside to enhance national security overall.



Upcoming Events

- **8th Asia-Pacific ITS Forum 2006**
July 10 to 14, 2006 / Hong Kong, China
www.itshk.org
- **National Rural ITS Conference 2006**
August 13 to 16, 2006 / Big Sky, Montana
www.2006nrirts.org
- **11th IFAC Symposium on Control in Transportations Systems**
August 29 to 31, 2006 – Delft, The Netherlands
www.rws-avv.nl/ifac-cts2006
- **Telematics Europe 2006 Conference and Exhibition**
September 5 and 6, 2006 - Berlin
www.telematicsupdate.com/info/47
- **9th International Level Crossing Safety and Trespass Prevention Symposium**
September 10 to 14, 2006 – Montreal, Quebec
www.levelcrossing2006.com

TAC Annual Conference & Exhibition
Charlottetown, PEI – September 17 to 20, 2006
www.tac-atc.ca

- **9th Annual International IEEE Intelligent Transportation Systems Conference**
September 17 to 20, 2006 – Toronto, Ontario
www.itsc2006.org
- **XIV Pan-American Conference of Traffic and Transportation Engineering**
September 20-23, 2006 – Canary Islands, Spain
www.panam06.com (in Spanish)
- **World Roads Conference**
September 27 to 29, 2006 – Singapore
www.worldroads2006.com
- **13th World Congress and Exhibition on Intelligent Transport Systems and Services**
October 8 to 12, 2006
www.itsworldcongress.com

- **IMSA Traffic Expo**
October 25, 2006 – Brampton, Ontario
www.imsa.ca
- **6th International Conference on Transport Systems Telematics**
October 25 to 27, 2006 – Katowice, Poland
www.tst-conference.org

CUTA 2006 Fall Conference and Trans-Expo
November 4 to 8, 2006 – Toronto, Ontario
Trans-Expo – November 7
www.cutaactu.on.ca

- **5th Chilean Congress / 2nd Pan American Congress on ITS and Exhibition**
November 15 to 17, 2006 – Santiago, Chile
www.itschile.cl
- **1st ITS Middle East Conference**
December 4 and 5, 2006 - Dubai, UAE
www.its-arab.org

ITS Canada
Welcomes New Member
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Upcoming
ITS World Congresses
October 9 to 13, 2007
Beijing, China
November 18 to 20, 2008
New York, NY
(combined with ITS America's Annual Meeting)