

Special Interest Session SIS52 of the ITS World Congress 2017, Montreal, Canada.

Title: Implementation of Weigh-In-Motion systems for direct weight enforcement.

Date: 31 October 2017, Room 513 ABC, <http://itsworldcongress2017.org/>

Description:

The application of Weigh-In-Motion (WIM) systems for direct weight enforcement has been a thing for the future for many years. Direct enforcement meaning that the fine for an overloaded vehicle will be directly based on the WIM measurement without any secondary measurements. Recent developments in WIM sensor and system technology, a new international standard on WIM and experiences with a number of pilot implementations have brought the future a step closer.

This session will investigate exactly how close and what is still needed. It will present the status quo in the area of WIM for direct enforcement, what are the ongoing developments in market and what is needed for the future. The session will focus on what steps should be considered for a successful implementation of WIM for direct weight enforcement . It will look at the different aspects involved, like legal acceptance of the measurements, system testing and certification and the guarantee of system performance during operation, and will show the practical experience from actual implementation project(s). Finally it will investigate the possibilities to use the same type of WIM systems for other advanced applications like high speed, free flow tolling by weight.

Track: Data, Security and Privacy / Standards

B. Infrastructure Challenges and Opportunities

F. New Business Models

Organizer: Name: International Society for Weigh-In-Motion (ISWIM)
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Moderator: Chris Koniditsiotis, TCA, Australia

Speakers: Randy Hanson, IRD, Canada. Topic: "The manufacturers perspective"
Libor Susil, Cross, Czech Rep. Topic: "User Experiences from the Czech Republic"
Lukáš Valenta, CAMEA, Czech Rep
Cock Oosterman, NMI, NL. Topic: "Standardization and Certification".
Vince Mantero, FHWA, USA. Topic: "North American user perspective".
Hans van Loo, CSI, Switzerland. Topic: "Data quality control".