

NEW INTERNATIONAL STANDARD ON WIM

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ABSTRACT

This presentation will show the implementation of high speed Weigh-In-Motion (WIM) systems for the direct automatic enforcement of overloading. In this application the WIM measurements are directly used for enforcement purposes without any secondary verification measurement by static or low speed scales. This application does not only require the most advanced WIM systems, it also needs an organizational structure which will guarantee the minimum quality (accuracy and reliability) of each individual WIM measurement. These performance requirements should be guaranteed not only at initial system approval, but also during operation. This structure consists of three elements: legal acceptance, system certification and data quality control. The presentation shows how the newly developed NMi WIM standard provides a basis for a successful implementation of WIM for direct enforcement and what is involved in the other two elements that are required when taken into use.