

Third newsletter test tyre pressure measuring system highway Rotterdam-Breda

21 January 2019

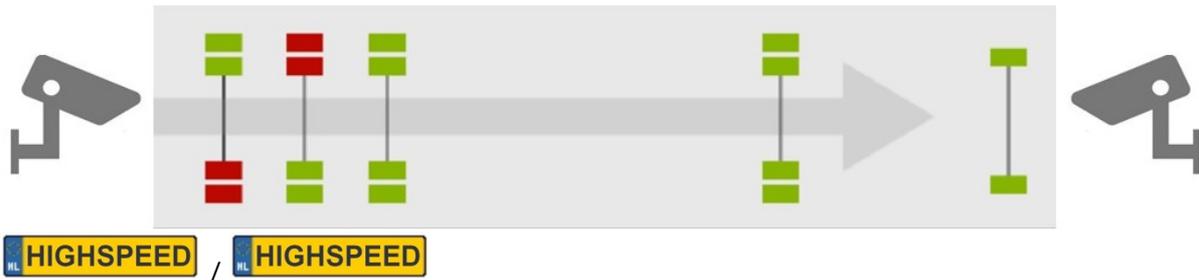
Start of second phase of the trial: "From detecting to signaling"

The results of the first phase show that the tyre pressure measuring system is reliable enough to inform interested parties about the detected deficiencies. As a result, the second phase of the trial started in December. During this phase participating companies will get a report when a deficiency is observed in one of their vehicles. We are very happy with the enthusiasm with which the companies applied. At the moment there already are 40 companies participating and new applications are still very welcome. Applying can be done at the link below:

<http://www.rws.nl/proefbandenmeetsysteem/>

Set-up second phase

For the second phase, "BAM Infra Verkeerstechneik bv" has installed cameras that register the front and back license plates of the vehicles. The participating companies are asked to supply the license plates of the vehicles with which they want to participate in the trial. When a license plate is registered and a deficiency is observed, the company will get an email with a report of the deficiency. The automatic delivery of the deficiency reports is done by Technolution bv on orders of Rijkswaterstaat. At the moment there are over 10.000 license plates in the system and, as previously said, new participants are still welcome. This hopefully means that the amount of license plates will grow during the trial.



Result of the "Tyre Anomaly and Classification System" (TACS™) on the A16 highway Rotterdam-Breda

Duration of the trial

The trial with the tyre pressure measuring system has started in May 2018 and will run until April of 2019. After this there are road works planned at the road segment in which the trial is taking place, which means that the system has to be removed. These works will be done with regard to the improvement of the connection of the A16 (highway Rotterdam-Breda) and the N3. Seen as the reactions and results thus far are positive, the project team is looking if there are possibilities to continue the trial when the road works are finished. We hope to give more clarity with regard to this in our next newsletter.

First implementation for the identification of single tyres

An important part of the trial with the tyre pressure measuring system is the ability to detect deficiencies in both dual and single tyres. Deficiencies in double tyres can already be detected with sufficient reliability. In the last months the Canadian supplier IRD has been working on the improvement of the identification of single tyres. IRD designates these as "suspects". On the 6th of December 2018 the project team did some trips for calibration purposes, to provide IRD with some measurements as a reference. The driver this day was Marcel Zuidgeest (ZTA-expert), who is actively participating in the project team. The trips were successful, partly due to "Profile Tyrecenter DBS Barendrecht", who afterwards brought the tyres back up to the right pressure. All these efforts have resulted in a new version of the "Tyre Anomaly and Classification System" (TACS™) which has been altered for this trial by IRD. In this trial a first implementation is being used. In the coming period we will gain experience with the reliability of the "suspects". The experiences of the participants play an important role in this.



Result of the "Tyre Anomaly and Classification System" (TACS™) on the Highway Rotterdam-Breda where single tyres are being classified as "suspects".

Possible application of the tyre measuring system on the N279 (Veghel-Asten)

As part of the program SmartwayZ.NL the province of Noord-Brabant has started a tender for a tyre pressure measuring system on the N279 (Veghel-Asten). The project team of the trial on the highway Rotterdam-Breda is following these developments with great interest. The project team also maintains close contacts with the tender team of the province. If there are any possibilities for cooperation, we will do so.

Colophon
Rijkswaterstaat & De Verkeersonderneming
Contact: Jeroen Korving
jeroen.korving@rws.nl

If you have any questions about this newsletter do not hesitate to contact us at jeroen.korving@rws.nl. The mailing list consists of the network that has shown interest in the project in the past. If you would no longer wish to receive this newsletter you can unsubscribe by sending an e-mail to the before mentioned e-mail address.



Co-financed by the European Union
Connecting Europe Facility