



**TEKSON®**

## DSRC REMOTE MONITORING SYSTEMS

Solutions dedicated for control authorities  
'Remote communication  
for targeted roadside checks'

[www.tekson.eu](http://www.tekson.eu)

Regulation (EU) No 165/2014 determines that the tachograph shall be equipped with a remote communication functionality that shall enable agents of the competent control authorities to read tachograph information from passing vehicles by using remote interrogation equipment (the Remote early detection communication reader REDCR) as a pre-filter in order to select vehicles for a more thorough inspection. It does not replace the formal inspection process as determined in the provisions of Regulation (EU) No 165/2014.



REMOTE TACHOGRAPH  
MONITORING SYSTEMS



DTM2015 DSRC

## MILESTONES

2010 - TT2010 Tachograph Tester launch designed for workshops.

2015/2016 - based on TT2010 a tachograph manipulation detector DTM2015 is designed, dedicated for control authorities.

2019/2020 Launch of Dedicated Short-Range Communication Remote Tachograph Monitoring systems. Consultations with control authorities lead to 3 solution-based early detection systems.

## TACHOGRAPH TESTING EQUIPMENT



DSRC RTM HS system



## 1. Mobile system

**DTM2015 DSRC** – designed for prescheduled transport inspections whereas traffic is redirected and slowed down to dedicated control areas. The DSRC RTM system can be mounted on a tripod located on the road for stationary readings as well as in/on a vehicle of inspection authorities to read tachographs in motion with a small difference in speed between the DSRC antennas.

The system consists of DSRC preselection unit including a digital tachograph manipulation tester, which gives the control authorities the possibility to check all digital tachographs, motion sensors and tachograph relevant installation in a vehicle to diagnose potential tachograph manipulations.

DTM2015 DSRC



## 2. Mobile system

**DSRC RTM HS** – designed for random inspections on roadside or during dynamic inspections for vehicles moving at a speed of up to 200 km/h. The DSRC system can be mounted on a tripod located on the road for stationary readings or in/on a vehicle of inspection authorities to read tachographs during dynamic and rapid inspections.



DSRC RTM HS

The system includes DSRC RTMHS preselection unit including a tachograph manipulation tester, which gives the control authorities the possibility to check all digital tachographs, motion sensors and tachograph relevant installation in a vehicle to diagnose potential tachograph manipulations.



Depending on installation location, surroundings and lane width etc., appropriate assembly to be chosen including a video camera according to control authorities' requirements.

### 3. Stationary system

**DSRC RTM Visual** – DSRC system based on PresTacho software designed for permanently installed, stationary preselection including vehicle visualization. System to be mounted on gantries over the road and for example on roadside poles.

DSRC RTM VISUAL



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