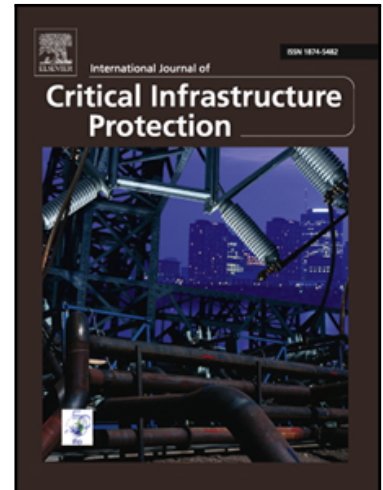


Accepted Manuscript

Regulated applications for the road transportation infrastructure: the case study of the smart tachograph in the European Union

Gianmarco Baldini, Luigi Sportiello, Michel Chiaramello, Vincent Mahieu

PII: S1874-5482(17)30039-2
DOI: [10.1016/j.ijcip.2018.02.001](https://doi.org/10.1016/j.ijcip.2018.02.001)
Reference: IJCIP 238



To appear in: *International Journal of Critical Infrastructure Protection*

Received date: 13 March 2017
Revised date: 7 June 2017
Accepted date: 14 February 2018

Please cite this article as: Gianmarco Baldini, Luigi Sportiello, Michel Chiaramello, Vincent Mahieu, Regulated applications for the road transportation infrastructure: the case study of the smart tachograph in the European Union, *International Journal of Critical Infrastructure Protection* (2018), doi: [10.1016/j.ijcip.2018.02.001](https://doi.org/10.1016/j.ijcip.2018.02.001)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Regulated applications for the road transportation infrastructure: the case study of the smart tachograph in the European Union

Gianmarco Baldini

European Commission, Joint Research Centre (JRC), Space Security and Migration, 21027, Ispra, Italy

Corresponding author: gianmarco.baldini@ec.europa.eu

Luigi Sportiello

European Commission, Joint Research Centre (JRC), Space Security and Migration, 21027, Ispra, Italy

Michel Chiaramello

European Commission, Joint Research Centre (JRC), Space Security and Migration, 21027, Ispra, Italy

Vincent Mahieu

European Commission, Joint Research Centre (JRC), Space Security and Migration, 21027, Ispra, Italy

Abstract

The Digital Tachograph (DT) is an equipment intended for installation in road commercial vehicles to display, record, print, store and output automatically or semi-automatically details of the vehicle movement and details of certain periods of activity of the drivers. It is used in the European Union to check the driving times of drivers and enforce the legislation on social rules (rest period, driving time limits), in relation with the road safety objective of reducing the number of accidents and fatalities in the EU. Each driver is equipped with a personal card (s)he has to introduce in the tachograph to be personally identified. The DT is a very important application in Europe in the road transportation sector as it is obligatory to install a DT in commercial vehicles having a mass of more than 3,5 tonnes (in goods transport) and carrying more than 9 persons including the driver (in passenger transport). Thus this regulation impacts millions of vehicles. The legal and

Download English Version:

<https://daneshyari.com/en/article/6747588>

Download Persian Version:

<https://daneshyari.com/article/6747588>

[Daneshyari.com](https://daneshyari.com)