

Expert Team “Manipulation & Misuse”

**eSafety WG HMI
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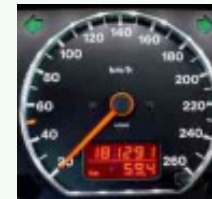
Bundesanstalt für Straßenwesen

eSecurity WG 2nd Draft Report :

- **Content**
 - **Introduction**
 - **Part 1 : Current issues (independent automotive electronics systems)**
 - **Use cases**
 - **Legal aspects**
 - **Measures taken by OEMs**
 - **Part 2 : Future co-operative systems**
 - **(Use cases)**
 - **Recommendations for future investigation (technical, non technical)**
- **Timetable**
 - **2nd draft for review in March-April**

Use cases for issue 1

- **Activation of TV-, DVD- or Internet-functionalities for speeds beyond walking speed**
- **Unauthorised power enhancement**
- **Unauthorised mileage adjustment**
- **Legally critical Points of Interest (POI) in digital maps**
- **Possibilities for intentional manipulation**



How is this issue covered by the ESoP?

- **System behaviour principle III:** *„System functions not intended to be used by the driver while driving should be made impossible to interact with while the vehicle is in motion, or, as a less preferred option, clear warnings should be provided against the unintended use.“*
- **Explanation:** *“If this principle is complied with, subsequent use of the system outside the scope of intended use can be considered as misuse. ‘Impossible’ ... means that the designated system function is not operable by the driver during normal use or during reasonably foreseeable misuse. ... it would not be reasonable for a manufacturer to anticipate that a driver would undertake sophisticated technical measures to defeat the manufacturer’s intentions.”*

How is this issue covered by the ESoP?

- **Recommendation on influencing use II:** *"Employers' procedures and incentive schemes should not cause or encourage system misuse. There should be a clear distinction between systems or functions that are intended (by the employer) to be used while driving and those that are not."*
- **Recommendation for drivers:** *" ... Drivers are responsible for modifications to any system. These need to be in accordance with technical descriptions and should not contradict the information provided by the manufacturer; ..."*

... just to conclude

- **Part 1 of the 2nd Draft Report of the eSecurity WG is currently close to completion.**
- **Concerning the activation of TV-, DVD- or Internet-functionalities while driving the ESoP is unambiguous with regard to system manufacturers', employers' and drivers' obligations.**
- **The recommendation of technical means to prevent the activation of TV-, DVD- or Internet-functionalities while driving goes beyond the scope of the ESoP.**
- **However, new aspects of manipulation and misuse may be identified depending on the definition of the scope of the ESoP, i.e. "use cases" not dealt with by WG eSecurity.**

**Thank you for your attention, comments
are welcome!**