

Report on the work of the IWG on cyber security and over-the air updates

5th July 2021

Content




1. Overview of assignments for the task force
2. Overview of proposed guidance for Contracting Parties to the 1998 Agreement
3. Conclusions on category R, S and T vehicles
4. Conclusions on treatment of extensions for R155






Assignments for the tasks force

Background – task force formed December 2016

Cyber Security

- ⇒ Regulatory proposal for CP's to 1958 Agreement => R155 
- ⇒ Interpretation document to aid harmonised uptake of R155 
- ⇒ Technical requirements for CP's to 1998 Agreement 

Software Update Processes

- ⇒ Regulatory proposal for CP's to 1958 Agreement => R156 
- ⇒ Interpretation document to aid harmonised uptake of R156 
- ⇒ Technical requirements for CP's to 1998 Agreement 

Overview of guidance for CP's to the 1998 Agreement

Approach

- ⇒ Define technical requirements that CP's can use when formulating national/regional regulation or legislation
- ⇒ Use R155 and R156 as a basis and ensure there is alignment
- ⇒ A GTR is not possible as it is difficult to define acceptance criteria and test criteria that would cover all possibilities

Guidance document

- ⇒ It covers both cyber security and software update processes
- ⇒ It lists technical requirements for the vehicle and technical requirements for management systems
- ⇒ It covers the whole life management of a vehicle
- ⇒ It permits the RxSWIN concept to be used

Overview of guidance for CP's to the 1998 Agreement

Recommended use of the guidance document

- ⇒ As a minimum, CP's should use the technical requirements relating to the vehicle en mass when formulating regulation or legislation on either cyber security or software update processes.
- ⇒ Where possible the requirements for the management system should also be adopted.
- ⇒ Where it is not possible to adopt the management system requirements within regulation or legislation, it is suggested they are adopted as national guidance for manufacturers of automobiles to follow.

Conclusions on category R, S and T vehicles

- ⇒ Following a request by CEMA and GRVA the task force considered agricultural vehicles and their inclusion within the scope of R156
- ⇒ The Task Force concluded:
 - ⇒ Given the use of over the air updates in the industry it is appropriate for R, S and T vehicles to be within scope of R156
 - ⇒ GRVA should consider a timeline for bringing R, S and T vehicles within scope of R155

Conclusions on treatment of extensions for R155

- ⇒ Following a request by GRVA, the task force considered proposals for R155 and how to treat extensions should be issued to vehicles types whose approval was given prior to 1 July 2024 as per 7.3.1 and 7.3.4.
- ⇒ Task Force concluded:
 - ⇒ In general, it should be made possible for software updates to be applied to such vehicle types
 - ⇒ However, any update or extension should, in general, be in accordance with an approved CSMS and the requirements of R155. Where there is a deviation, it should be justified.
 - ⇒ The task force proposed an update to the interpretation document to provide enhanced guidance on how to treat request for extensions under 7.3.1 and 7.3.4
 - ⇒ Changes to the regulatory text are also proposed.

Outstanding work items?

What is left for the task force's next meeting

- No future work items identified
- No future meetings planned

