Electronic Repository of Unsigned Traffic Rules

T. Russell Shields
russell.shields@outlook.com

Representing ITU as the Chair of the ITU Collaboration of ITS Communications Standards
• It is expected that WP.29 Regulation 157, its updates, and other future WP.29 regulations for ADS will specify that the ADS must follow the driving-related traffic rules (regulations, laws, or other legal instrument) of the jurisdiction in which the vehicle is travelling

• There is no current, reliable electronic form of the driving-related traffic rules that are not represented by physical road signs

• Having individual commercial entities create and maintain an electronic repository of the unsigned, driving-related traffic rules by jurisdiction risks safety issues due to inaccurate representation of the relevant traffic rules
• At its 189th Session, WP.29 discussed the value of an electronic repository of the driving-related traffic rules that are not represented by physical road signs

• The contracting parties and the experts present generally expressed interest in having such a capability to support ADS

• There was no opinion on the practicality of creating and maintaining such a repository

• There was agreement to request WP.1 to explore creating an electronic repository of the driving-related traffic rules that are not represented by physical road signs
ITU Recommendation

- As the UN agency for information and computing technology (ICT), ITU recommends that WP.1 create a group to explore the creation and maintenance of an electronic repository of the driving-related traffic rules that are not represented by physical road signs, with tasks including
  - Determine how the unsigned traffic rules should be structured in electronic form (the UK and ISO TC 204 have activities in this area)
  - How such electronic data should be created and the effort required
  - How such electronic data could be kept up to date and the effort required
- ITU offers to support WP.1 in such an activity in all ways that WP.1/UNECE wants