

**SC.2**

**22 November 2018**

Geneva

# Countering Cyber Security Threat in Connected Mobility

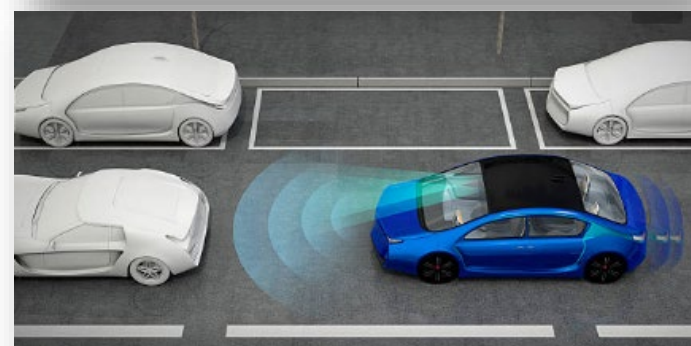


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United Nations Economic Commission for Europe



# Agenda 2030 – Sustainable Development Goals



Automated Driving vehicles are expected to contribute to the solutions needed to address the transport related issues:

- Road traffic
- Pollution
- CO<sub>2</sub> emissions
- Road safety crisis

# UNECE and vehicle regulations

## What is WP.29 doing?



Emissions of pollutants and CO<sub>2</sub>



General safety



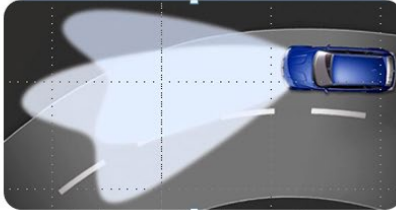
Passive safety



Noise and tires

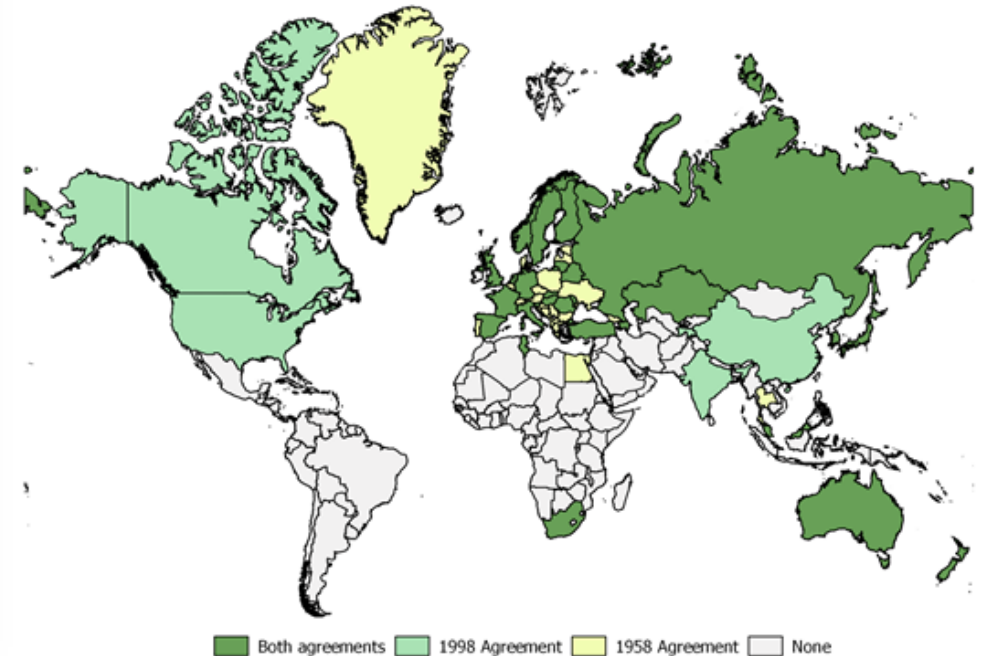


Automated/autonomous  
and connected vehicles



Lighting and light signalling

## Geographical scope of WP.29



WP.29 is open to all Nations of the United Nations without any limitation or discrimination

This map doesn't show those Countries applying the Regulations unilaterally



# Regulation through cooperation with various sectors



- Lighting and Light Signalling sector:
  - IEC standards: IEC 60061, IEC 60809
  - Specific UN Regulations on light sources



- Tire sector:
  - ISO, ETRTO, JTMA standards
  - Regulation on tires
  - Regulation on tire installation

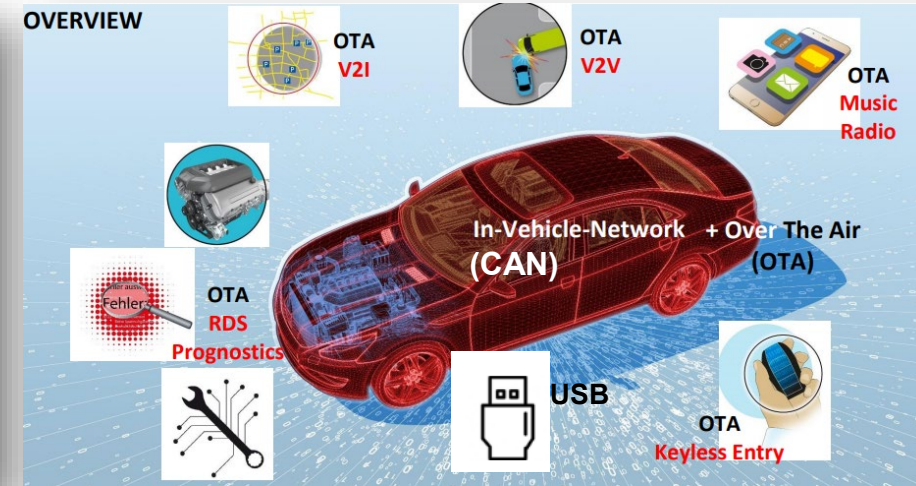
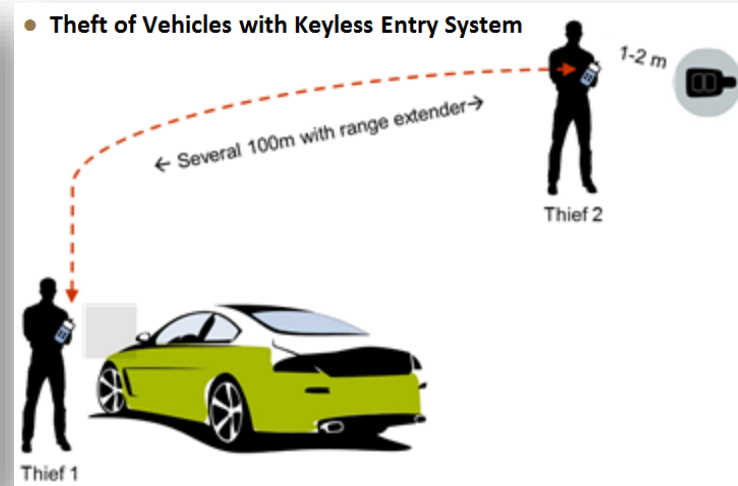
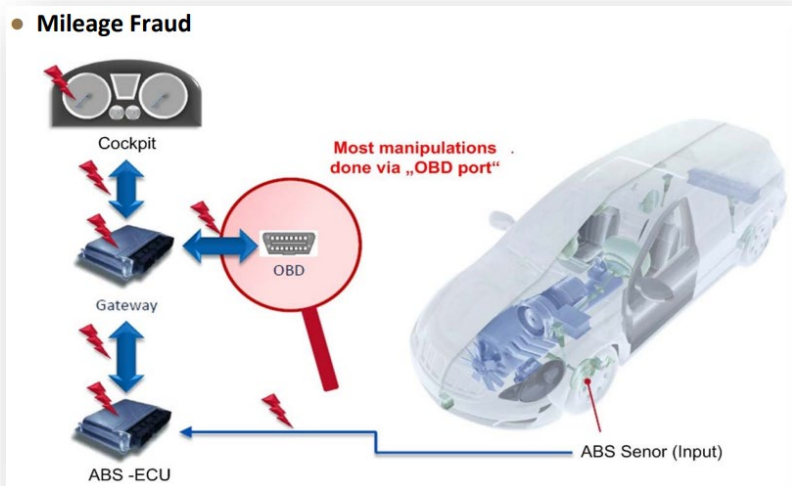


- ICT and Telecom sector:
  - eCall
  - Cyber Security and OTA



# Cyber security

Advocacy groups presented the following cases to WP.29:



They also raised the concern of data protection

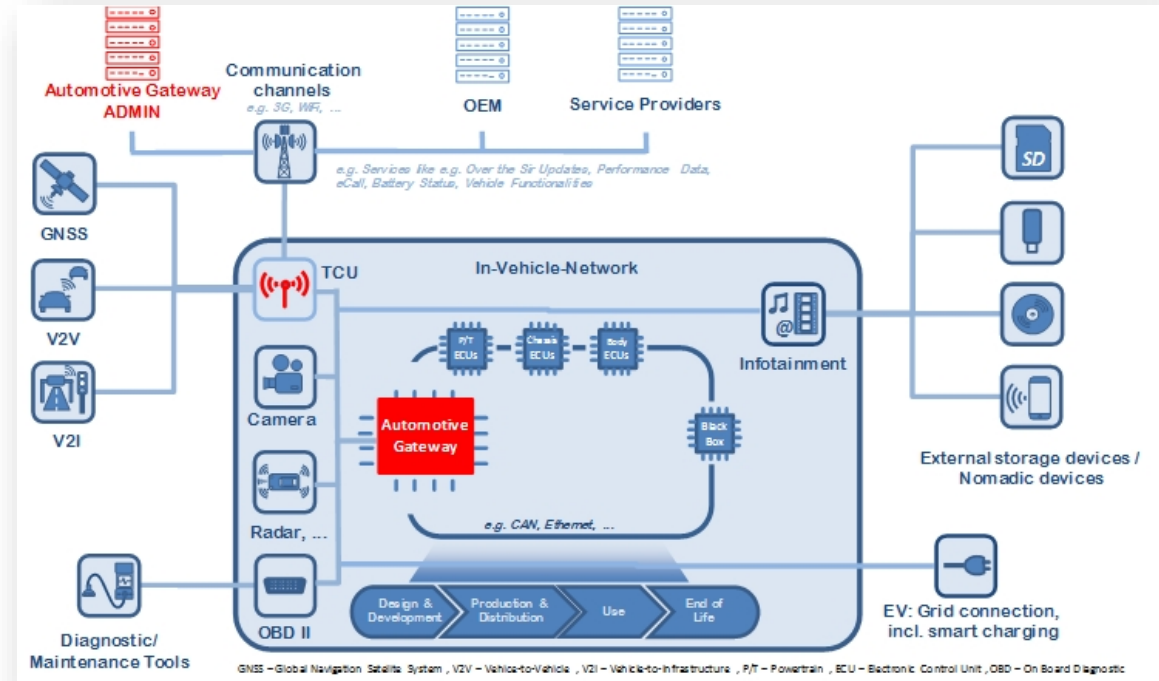
- Malicious or fraudulent activities
- Fully legal activities but not in the interest of the consumers
- (Concerns related to privacy, which is mentioned in the Universal Declaration of Human Rights)

➔ WP.29 adopted guidelines on Cyber Security and Data Protection

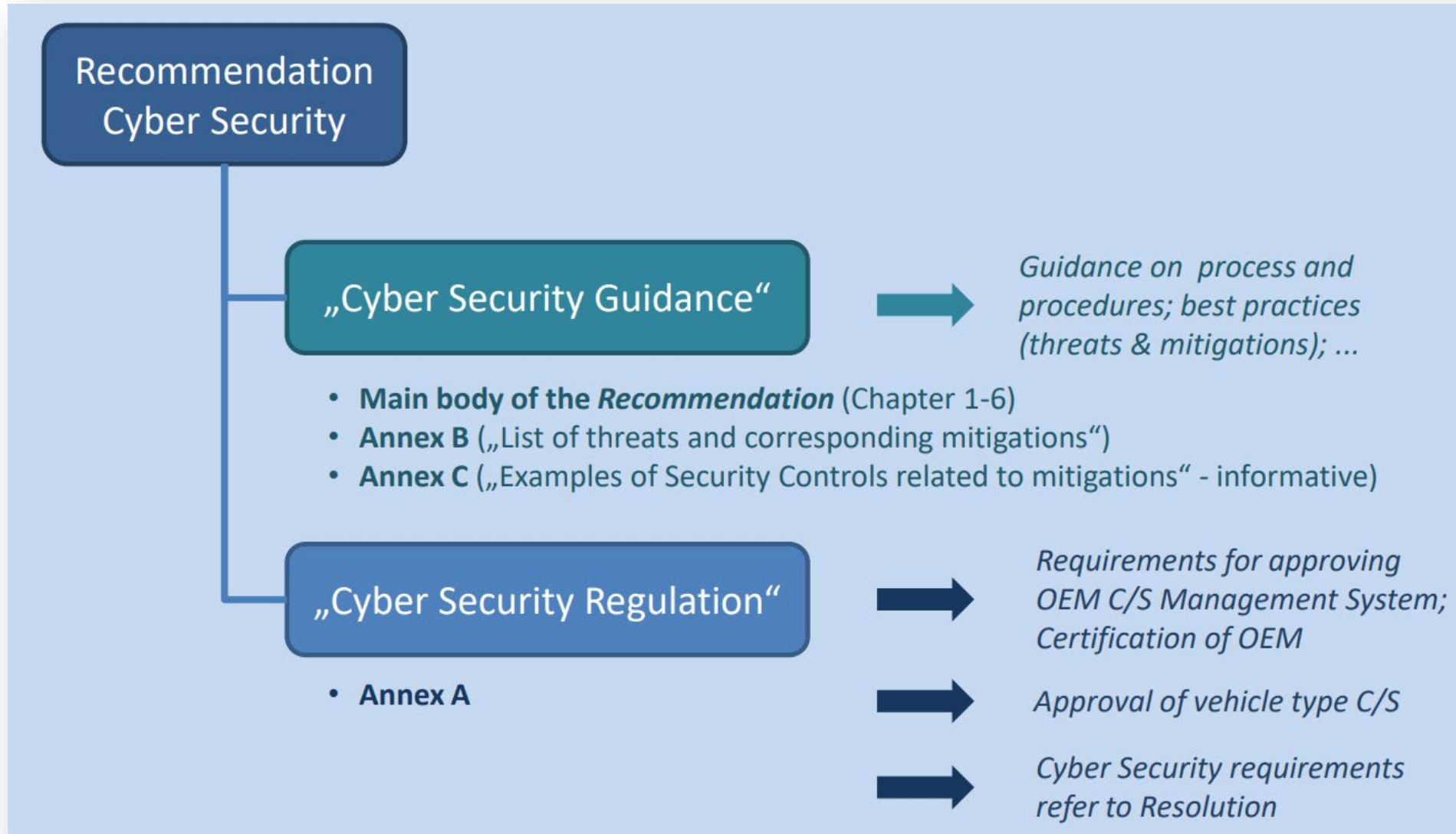
➔ Task Force on Cyber Security and Over the Air

# The Task Force on Cyber Security and OTA

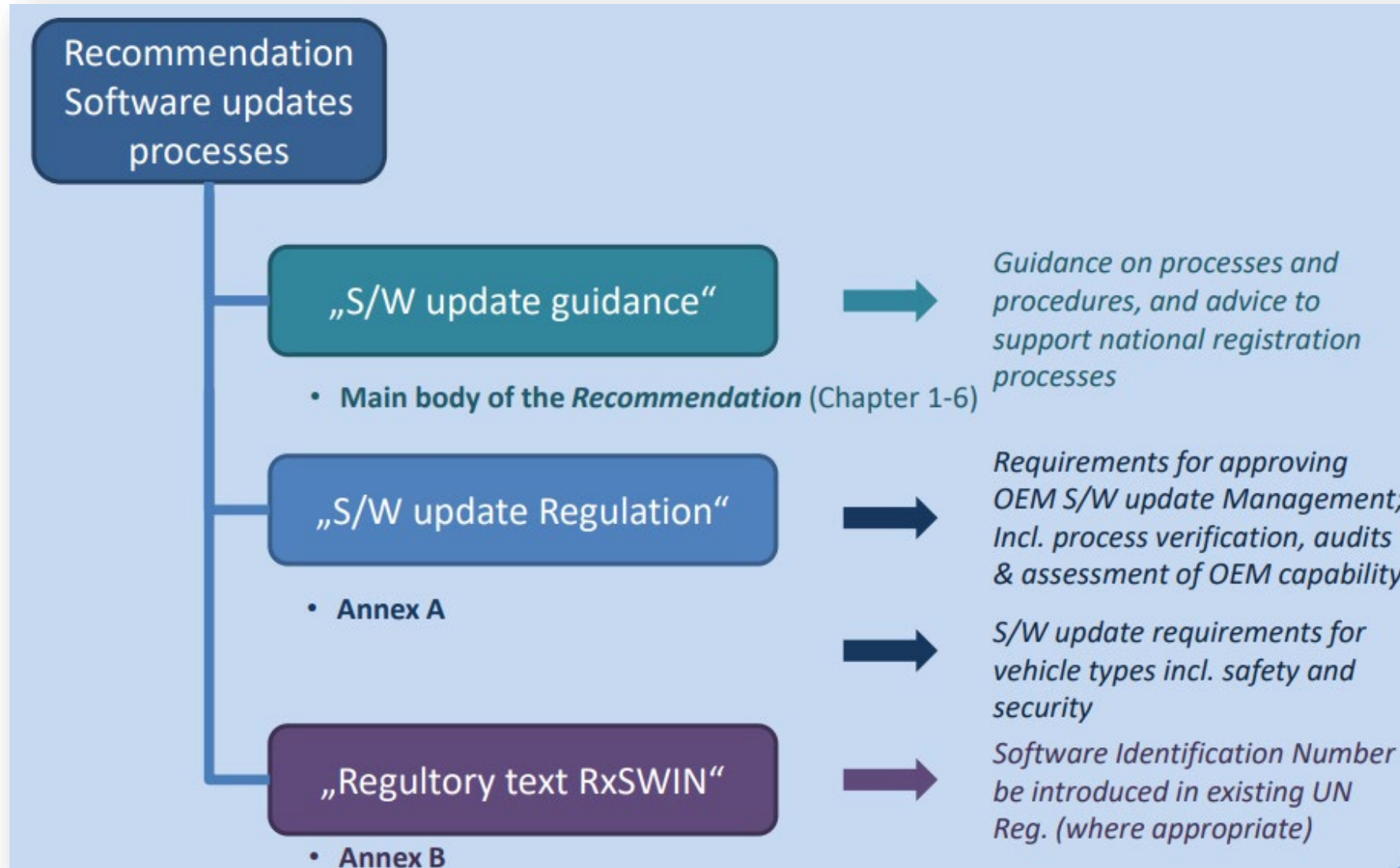
- Initiated in November 2016, by WP.29
  - Reporting to the IWG on ITS/AD
  - Deliver output in 2018 to GRVA
    - It contains elements for a UN Recommendation
    - As well as a draft UN Regulation
- ... Almost all new cars come with a sim card



# Draft recommendation on Cyber Security



# Draft recommendation on Software updates (incl. OTA)





**THANK YOU VERY MUCH  
FOR YOUR ATTENTION**

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