

Joint OSCE-UNECE Roundtable on ITS and Cyber Security

8 September 2020 – 3.00 p.m.

Geneva

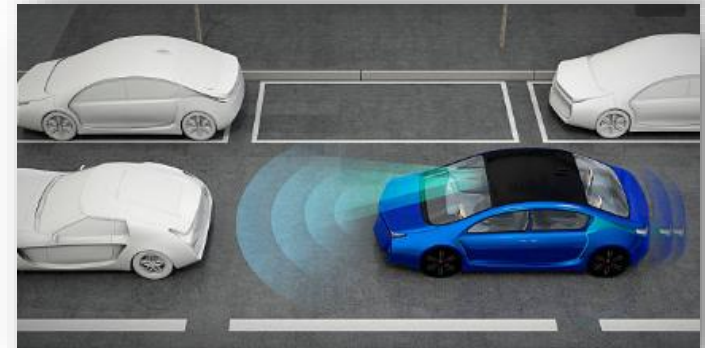
Recent developments on Cyber Security



François E. Guichard

Secretary to the Working Party on Automated/Autonomous and Connected Vehicles

United Nations Economic Commission for Europe



ITS and UNECE

The Member States adopted the UNECE Roadmap on ITS in 2012

- 20 Actions
- Multidisciplinary
- 3 Inland Transport modes

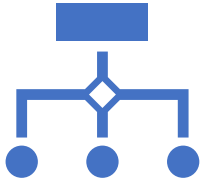
Action 5 is about *ensuring data security*

- Risks
- Reliance on standards and regulations to achieve data protection and cyber security

- ➔ Guideline on Cybersecurity and Data Protection
- ➔ Regulation on Cybersecurity



Cyber security



3 pillars

People

Processes

Technologie



5 functions

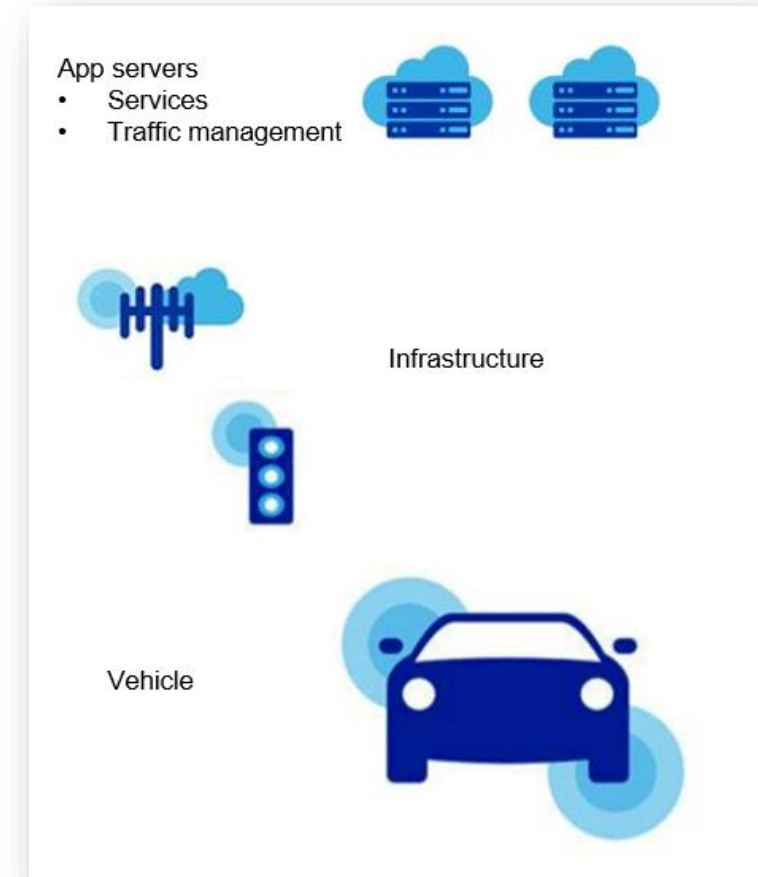
Identification

Protect

Detect

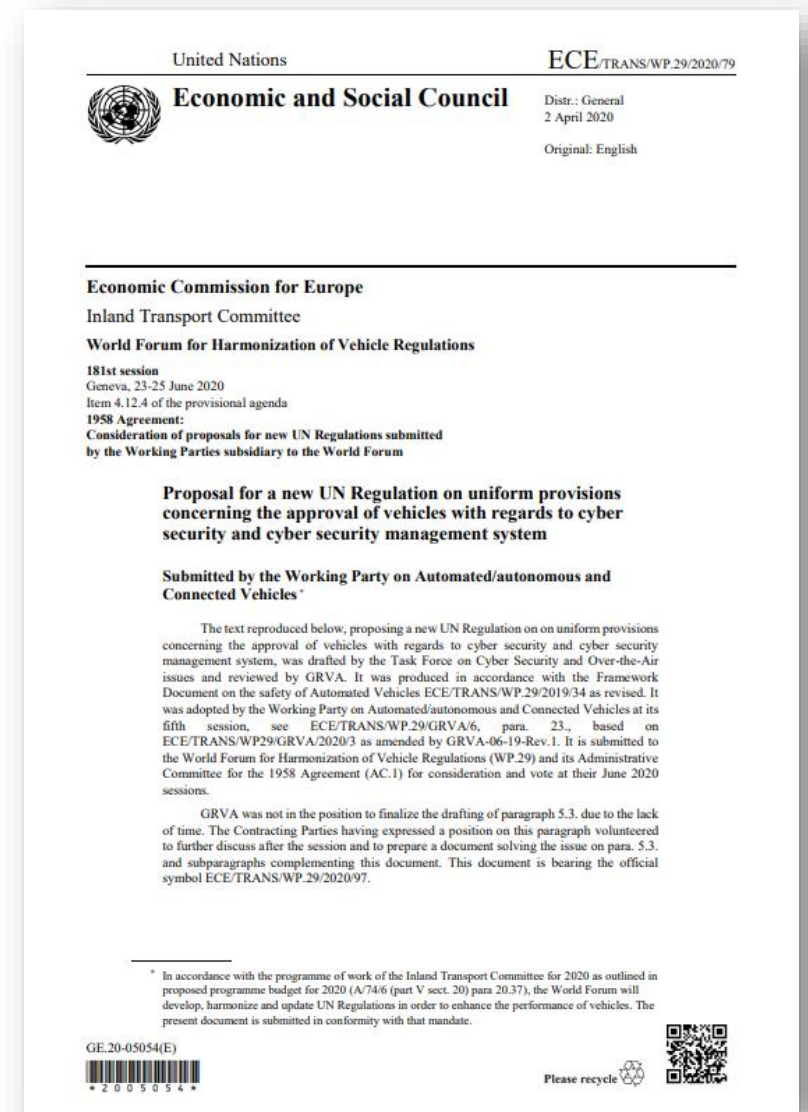
Respond

Recover



Specific achievement in 2020 at ECE regarding cyber security

- Following the adoption of a guideline on *Cyber Security and Data Protection* in 2016
- Adoption of a new UN Regulation No. 155
 - June 2020
 - About:
 - Cyber Security
 - Cyber Security Management System
- Scope
 - passenger cars, vans, trucks and buses,
 - light four-wheeler vehicles if equipped with automated driving functionalities from level 3 onwards – this covers the new automated pods, shuttles etc.; trailers if fitted with at least one electronic control unit.



UNECE's role regarding vehicles

What is WP.29 doing?



Emissions of pollutants and CO₂



General safety



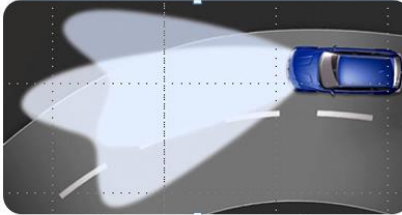
Passive safety



Noise and tires

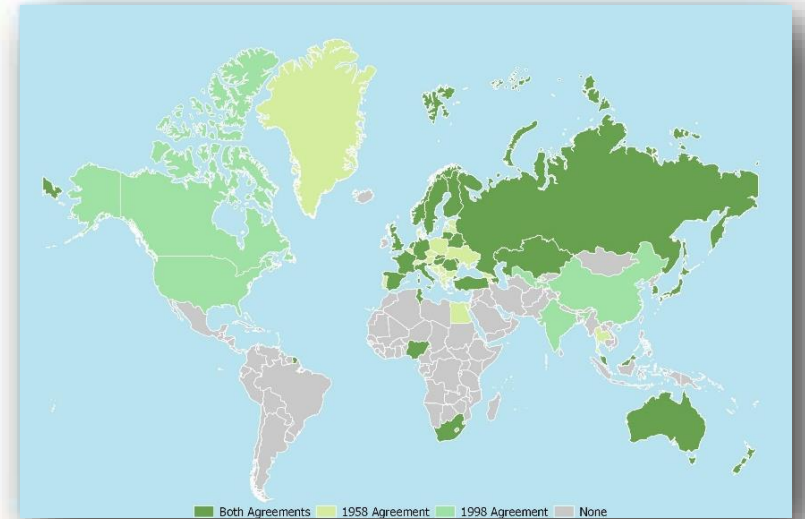


Automated/autonomous
and connected vehicles



Lighting and light signalling

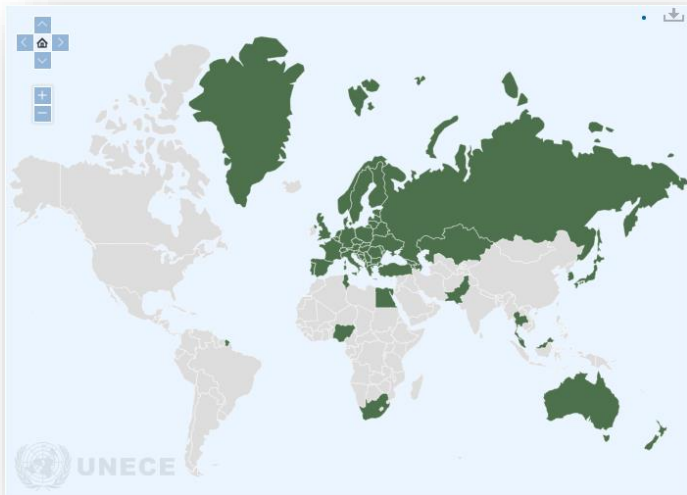
Where?



Frameworks – relevant UNECE’s multilateral Agreements

1958 Agreement:

- “UN Regulations”
- Directly applicable by the stakeholders/industry
- Mutual recognition of Type Approvals



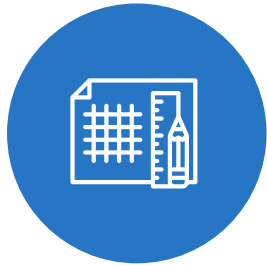
1998 Agreement:

- “UN Global Technical Regulations”
- Requires transposition in national law
- No administrative procedures -> suitable for:
 - Self Certification
 - Type Approval



Status of the UN Regulation No. 155

Draft Phase



~2 years of drafting

- Started in December 2016
- Co-Chairs:



Test Phase



1 year of testing

- Regulation is not conventional
- Relies on “audits”
- Lifetime and lifecycle provisions
- Checks before vehicle is put on the market

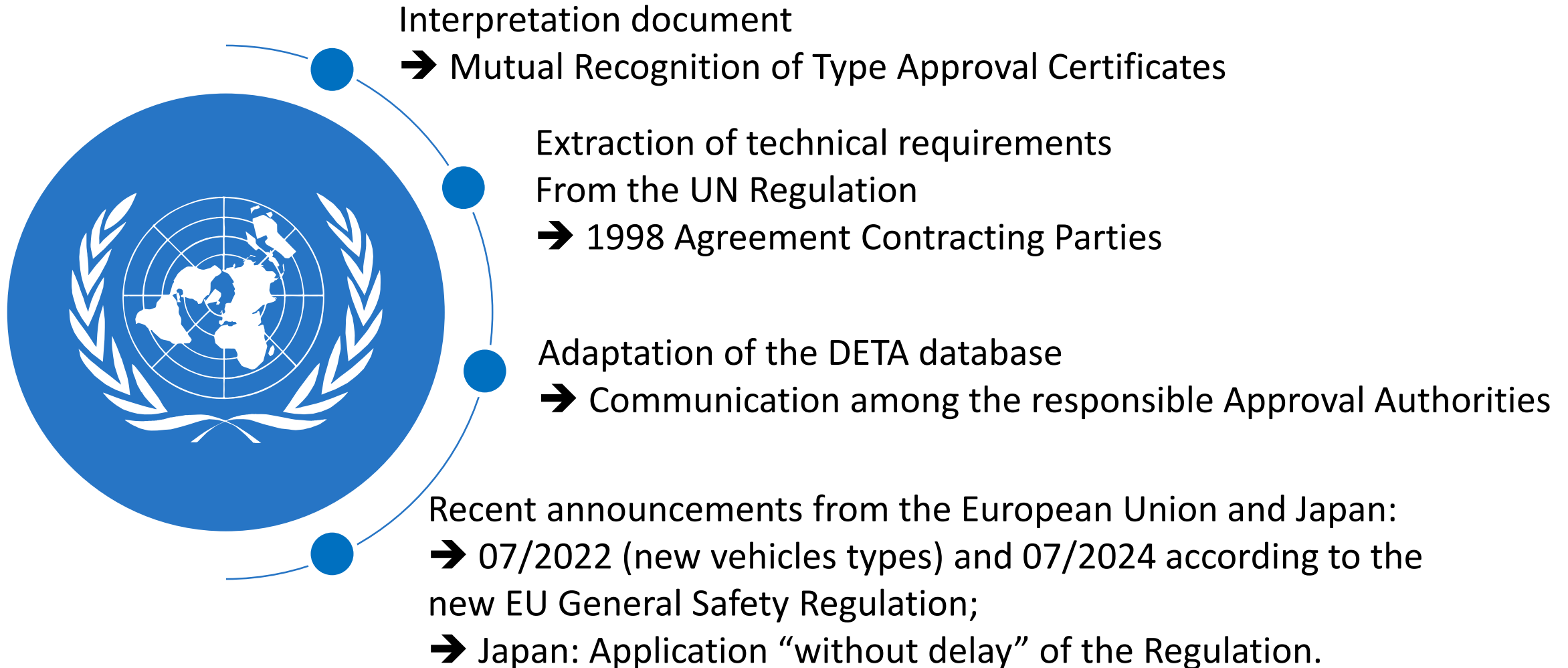
Status



Adopted

- Vote/adoption by AC.1 (24 June 2020)

What is happening now?



**THANK YOU VERY MUCH
FOR YOUR ATTENTION**

UNECE

<http://www.unece.org/automated-vehicles>

Francois.Guichard@un.org