Final Report of TF-CS/OTA

United Nations, Palais des Nations, Geneva
25-28 September 2018
• The remit of the group was to produce
  – a recommendation on cyber security
  – a recommendation on software updates
  – develop draft regulations on both topics
• How was the work addressed
  – Task force containing experts from Contracting Parties and NGO’s (CITA, FIA, ITU, OICA, CLEPA, ISO and others)
  – Thirteen meetings to agree on proposed recommendations
The UN Task Force on Cyber Security and Over the Air issues (TF-CS/OTA) provides two recommendations:

- Data protection
- Cyber Security
  - Legal aspects
  - Security aspects
- Software updates
  - Certification aspects
    - pre-registration
    - post-registration
  - Safe execution
- Threat analysis
  - Table of threats
    - Define mitigation principles
    - Develop flow diagram
      - Define approval method
      - Develop recommendation for safe execution
    - Develop Recommendation on Cyber Security
    - Develop Recommendation on Software Updates

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Structure of the Recommendation on Cyber Security

- **Recommendation Cyber Security**
  - Main body of the *Recommendation* (Chapter 1-6)
  - Annex B („List of threats and corresponding mitigations“)
  - Annex C („Examples of Security Controls related to mitigations“ - informative)

- **„Cyber Security Guidance“**
  - Guidance on process and procedures; best practices (threats & mitigations); ...

- **„Cyber Security Regulation“**
  - Annex A
  - Requirements for approving OEM C/S Management System; Certification of OEM
  - Approval of vehicle type C/S
  - Cyber Security requirements refer to Resolution
Structure of the Recommendation on S/W update processes

Recommendation
Software updates
processes

„S/W update guidance“

- Main body of the Recommendation (Chapter 1-6)

„S/W update Regulation“

- Annex A

„Regulatory text RxSWIN“

- Annex B

Guidance on processes and procedures, and advice to support national registration processes

Requirements for approving OEM S/W update Management; Incl. process verification, audits & assessment of OEM capability

S/W update requirements for vehicle types incl. safety and security

Software Identification Number be introduced in existing UN Reg. (where appropriate)
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“Things to note”:  
- Output: 2 recommendation papers incl. 2 new draft UN Regulations and a draft proposal for amending existing UN Regulations  
- Innovative approach taken:  
  a) Assessment of vehicle manufacturers management systems and approval of vehicle types in a two step approach to give type approval  
  b) Consideration of how to address post-production phase  
  c) No specific test provisions, instead assessment of declared processes and procedures of the vehicle manufacturer (modeled on UN Regulation No. 133)  
- Due to innovative aproach, a test phase before implementation may be required
“Things to note” (continued):

- Papers are delivered as informal documents to GRVA-01
- GRVA-02 to consider the recommendations in detail in order to have them submitted to WP.29 for:
  - Final decision on the recommendations within both Recommendations (see Chapter 7),
  - Adoption of the Draft Regulations (Annexes A) and
  - encourage its GR’s to consider the Draft Regulatory Amendment (Annex B of the Software Update Process Recommendation).
- Task force would need to be reformed or mandate extended in order to answer any major requests or questions since the mandate is ending in Dec. 2018.
- Secretariat may be able to answer clarification questions.
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Suggested timeline for implementation

**TFCS-13 London** 18-20 Sep. 2018

**GRVA-1 Geneva** 25-28 Sep. 2018

**Current Mandate of TFCS** Dec. 2018

**GRVA-2 Geneva** Jan. 2019

**WP29** June 2019

**WP29** Nov. 2019

**Review by GRVA**

**Review by WP.29**

**Test phase??**

**GTR??**

**Earliest adoption of draft Regulations**

**Task Force is asking for comments until 31 October 2018.**