Status report of the UN Task Force on Cyber Security and Over-the-Air Issues
Activities of TF-CS/OTA since GRVA-01

Following GRVA-01, the UN TF-CS/OTA met from 4-5 December 2018 in order to discuss:

a) Comments received by GRVA members by 31 October 2018

a) Details on the test phase
Comments received from GRVA members received by 31 October 2018
Activities of TF-CS/OTA since GRVA-01

Comments to the draft Recommendations on Cyber Security and Software Updates were received by Switzerland, France, Germany, Spain and FIA.

These comments had been discussed and responded to by the Task Force members. Details can be found on the UN TF-CS/OTA website for the 14th session. (response to CH, DE and FIA see document TFCS-14-12, response to France see document TFCS-14-13, response to Spain see document TFCS-14-14)

The general principles of the recommendations incl. regulatory annexes were confirmed by the Task Force, minor amendments for clarification had been identified and will be brought forward as a separate informal document.
Test Phase for draft UN Regulations on Cyber Security and Software Updates
Overview

**Why a „test phase“?**

A new approach was taken for the draft UN Regulation by implementing organizational and vehicle system requirements:

- Certification of the OEM organization regarding its Cyber Security and Software Update Management System (pre-condition for type approval/certification)
- General, technology neutral security requirements are defined without detailed test procedures
Aim of the „test phase“?

=> Provide guidance on how to assess the regulatory requirements and documentation required

=> Verify the effectiveness/robustness of the Regulation(s)

=> Verify that approval authorities/technical services are able to reach the same conclusions based on identical OEM documentation

Aim is to assure the Regulation(s) and not to test the products!
Overview

**Outputs of the „test phase“?**

=> Interpretation guideline

=> If necessary, proposals for clarifying the Regulations

=> Report of the test phase to cover:
- conclusions on the effectiveness /robustness of the Regulation(s)
- verification that Approval authorities/ Technical Services are able to reach the same conclusions
1. Identify participants for the test phase

2. Coordination Meeting

3. Preparation Phase

4. Assessment Phase

Interpretation document V0.1

5. Coordination Meeting

6. Assessment Phase (Cross checking)

7. Final Evaluation

Interpretation document V0.2

Report on test phase V0.1

Interpretation document V1.0

Report on test phase V1.0

Proposal for amendments V1.0

Report on test phase V1.0

Proposal for amendments V1.0
Coordination Team of the test phase

- Coordination team to draft the initial version of the Interpretation Document (V0.1)
- Coordination team consist of test participants and the TF-CS/OTA secretariat (co-chairs + secretary)
- Co-Chairs of TF-CS/OTA to coordinate answering of queries during the assessment phase
- Coordination team to reconvene to update the Interpretation Document and produce the report of the test phase and draft amendments to the Regulation(s), if any
- Task force to review and approve documents through webmeetings
Approval Authorities should identify Technical Services

Interested OEMs should state:
- *With which Approval Authorities/Technical Services they are able to work with*
- *Identify for which Regulations they are participating*
- *Whether they are able to provide information allowing for the assessment of the entirety of the Regulation(s)*

Interested participants shall inform the co-chairs
- *Target: min. 3 Authorities and 3 OEMs*
Test phase planning: 2. Coordination Meeting

• Shall consist of the participating parties, co-chairs and secretary

• Aims of the meeting
  - Arrange testing schedules
  - Draft initial interpretation document (will be shared with all TF-CS/OTA members and made publically available UNECE wiki)
    - Evidence required for corresponding regulatory requirements (focus on Chapter 7)
      - What should the manufacturer provide?
      - Line-by-line review of the Regulation(s), with elaboration on issues identified
    - Guidance on interpretation of evidence for corresponding regulatory requirements
Test phase planning: 3. Preparation phase

- Manufacturers and Approval Authorities/Technical Services prepare for the assessment and gathering of documentation/evidence
Test phase planning: 4. Assessment phase

- Assessment of the Regulation(s) by an Approval Authority/ Technical Service using the OEM documentation/ evidence

Confidential content is shared only between relevant parties (OEM and the assigned Approval Authority/ Technical Service)

Example interactions: Documentation at this point can be share bilaterally between one OEM and one Approval Authority/ Technical Service or between one OEM and multiple AA/TS at a time
Test phase planning: 5. Coordination Meeting

• Shall consist of the participating parties, co-chairs and secretary

• Aims of the meeting
  - *Updated draft interpretation document (will be shared with all TF-CS/OTA members and made publically available UNECE wiki)*
  - *Exchange on findings of the first assessments*
    - Regulatory issues identified
    - Opinion on ability to provide and assess evidence to assess the effectiveness and robustness of the Regulation(s)
    - Not to discuss proprietary information
    - Reporting shall be anonymized
Test phase: 6. Assessment phase (cross checking)

- Assessment that Approval Authority/ Technical Service using the same OEM documentation/evidence are able to come to the same conclusion (Round robin testing)

Confidential content is shared only between relevant parties (OEM and the assigned Approval Authority/Technical Service)

Note: May be concurrent with Step 4

- Was it possible to assess the requirement(s)?
- Did the AA/TS reach the same conclusions? (Line-by-line)
- Is the rationale for reaching these conclusions similar?
- Summary of whether agreement was reached and areas of difficulties (disagreement) will be highlighted
- Feedback on potential improvements to interpretation document and/or Regultion(s)
Test phase: 7. Final Evaluation

- Finalization of the interpretation document
- Finalization and agreement on any regulatory amendments
- Finalization of the report on the test phase to cover:
  - conclusions on the effectiveness /robustness of the Regulation(s)
  - report on whether the Approval authorities/Technical Services were able to reach the same conclusions

*TF-CS/OTA shall agree and endorse above documents*
Proposed timeline for the test phase

19 Jan. 2019

TFCS-14
Paris

GRVA-02
Geneva

Feb. 2019

TFCS Web meeting

May/June 2019

Jun/Jul 2019

TFCS-15

TFCS-16
TBC

Aug 2019

GRVA-03
Geneva

04-05 Dec. 2018

Identification of participants (latest feedback)

Coordination Meeting 1

Start Preparation Phase

Start Assessment Phase

Coordination Meeting 2

Final Evaluation

Preparation Phase

Assessment Phase

Reg. amendments

Prep Report on TP

Prep Final Interpret Doc V1.0