Submitted by the Secretary of the
UN Task Force on Cyber Security
and Over-the-Air issues

Informal document **GRVA-01-19**
1st GRVA, 25-28 September 2018
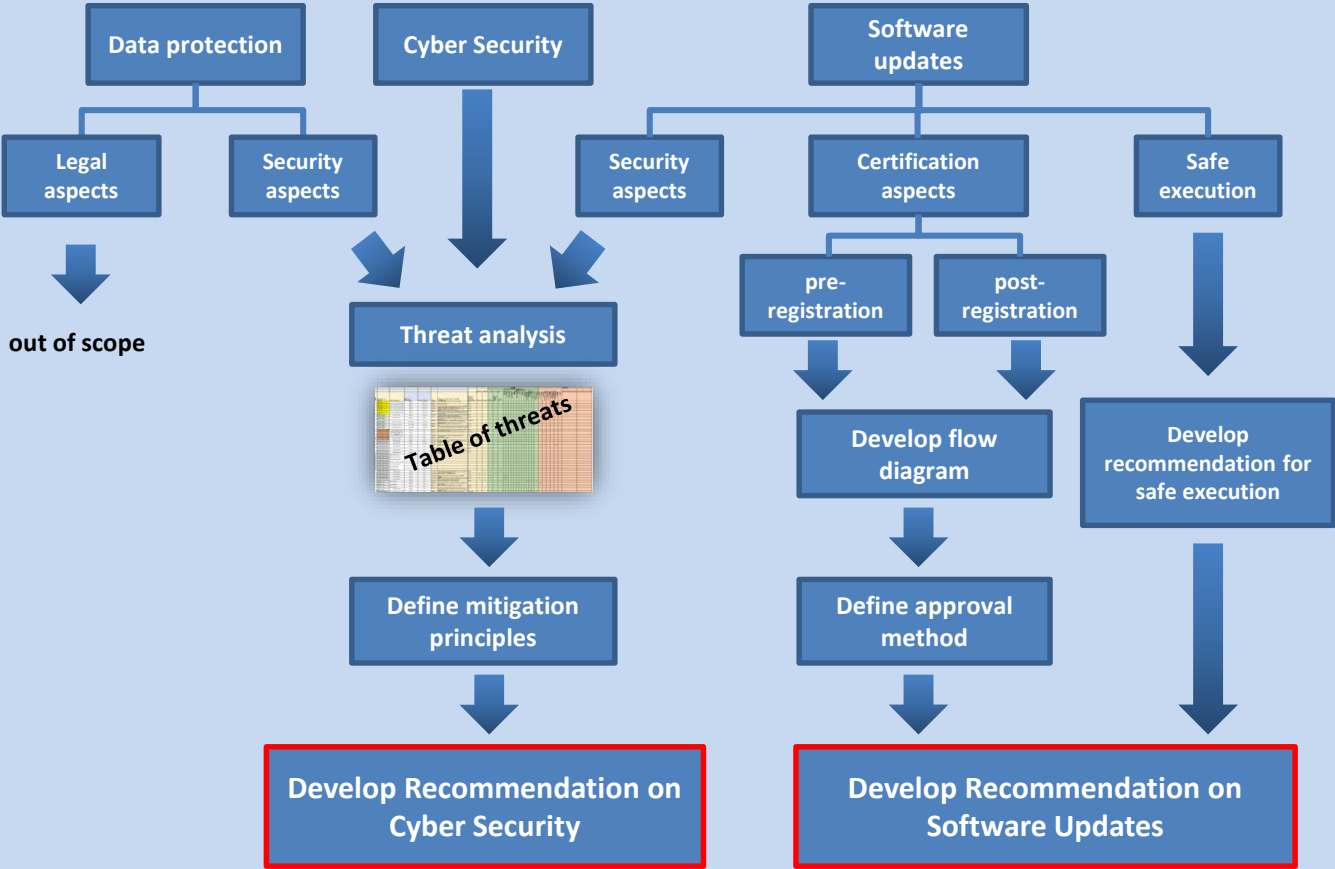Agenda item 6 (b)

Final Report of TF-CS/OTA

United Nations, Palais des Nations, Geneva
25-28 September 2018

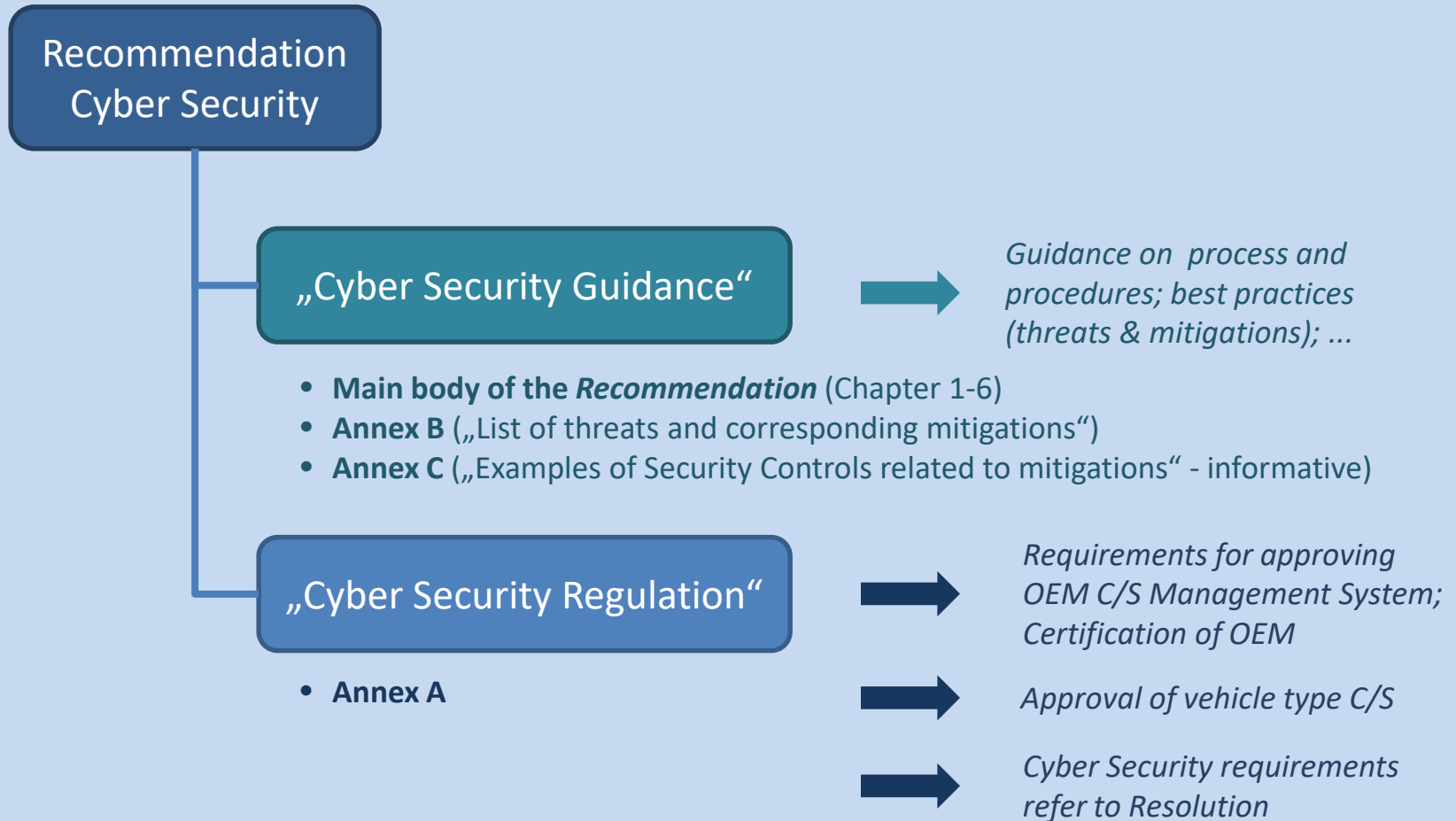Final Report of TF-CS/OTA

- 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
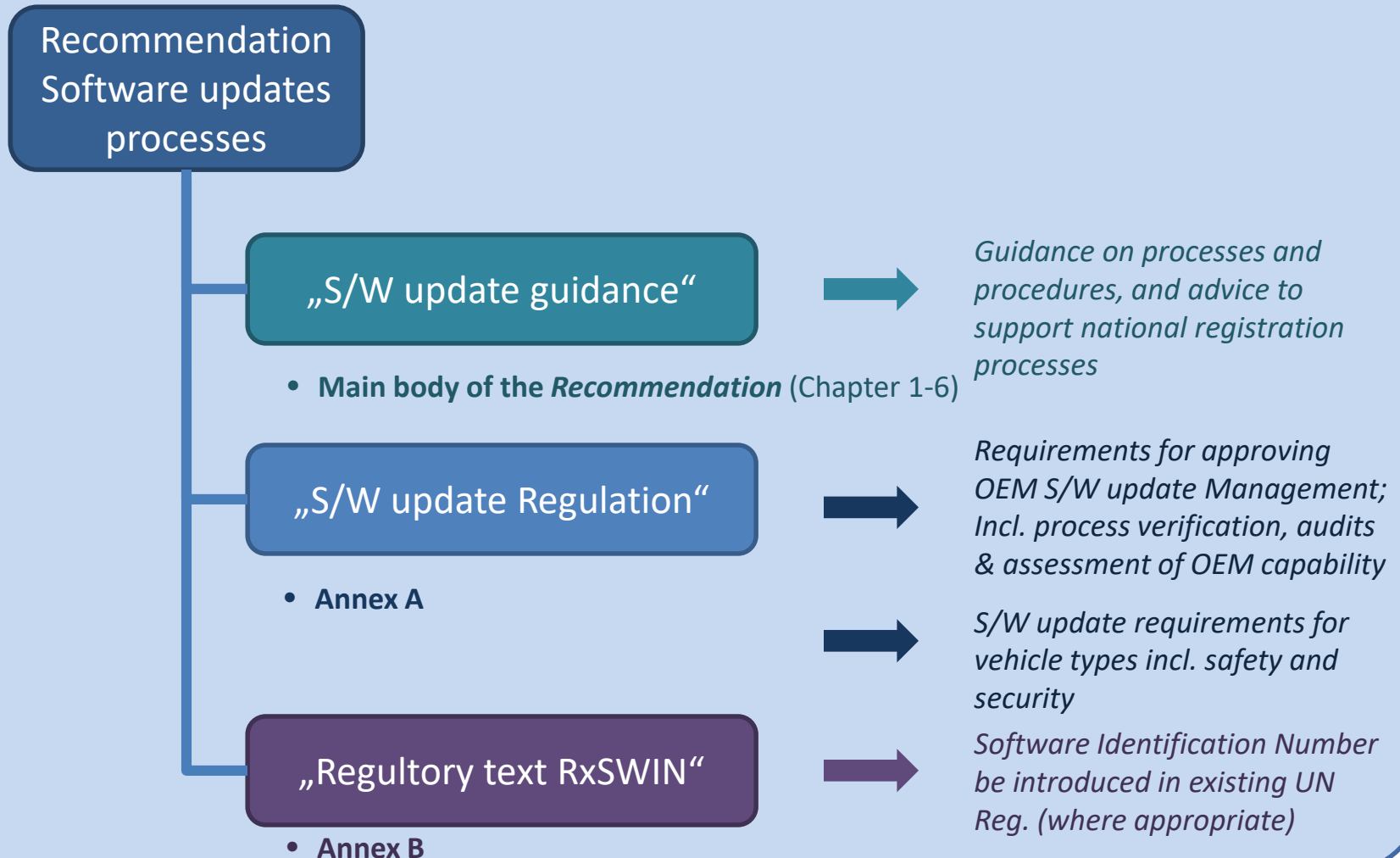
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The UN Task Force on Cyber Security and Over the Air issues (TF-CS/OTA) provides two recommendations:

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Structure of the Recommendation on Cyber Security

Recommendation Cyber Security

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

- **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 Regulation" → *Requirements for approving OEM C/S Management System; Certification of OEM*

- **Annex A** → *Approval of vehicle type C/S*

→ *Cyber Security requirements refer to Resolution*

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Structure of the Recommendation on S/W update processes

Recommendation Software updates processes

„S/W update guidance"

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

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

„S/W update Regulation"

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

- **Annex A**

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

„Regultory text RxSWIN"

→ *Software Identification Number be introduced in existing UN Reg. (where appropriate)*

- **Annex B**

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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)
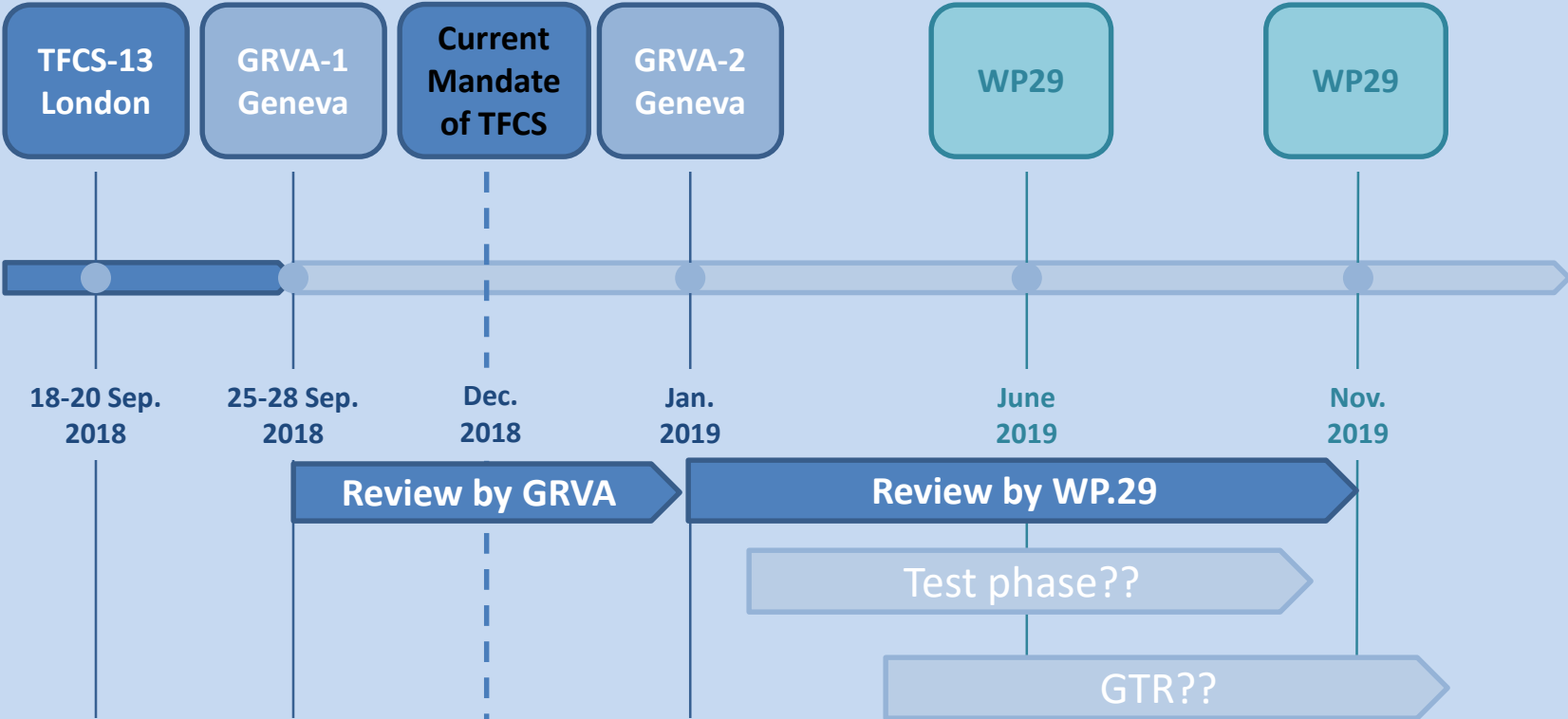- Due to innovative aproach, a test phase before implementation may be required

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"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.
- Secretariate may be able to answer clarification questions.

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Suggested timeline for implementation

TFCS-13 London	GRVA-1 Geneva	Current Mandate of TFCS	GRVA-2 Geneva	WP29	WP29
18-20 Sep. 2018	25-28 Sep. 2018	Dec. 2018	Jan. 2019	June 2019	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.