# Draft minutes of the first session of

# the UN Task Force on Cyber Security and OTA issues

### 9:00a.m. - 4:30p.m, 21st December 2016

at

### Department for Transport, Great Minster House

### 33 Horseferry Road, London, SW1P 4DR

## I.Adoption of the Agenda

The Task Force may wish to adopt the provisional agenda.

*Documentation:*     TFSC-01-01-Rev3e Agenda

The Agenda was adopted without changes.

## II.Appointment of secretary

The Task Force will be asked to nominate the secretary.

Mr. Jens Schenkenberger from Hyundai/OICA (jschenkenberger@hyundai-europe.com) was nominated as secretary of the task force. He will support Dr. Darren Handley, chairman of the Task Force Cyber Security and Over-The-Air update (OTA) issues.

## III.  Report of the IWG on ITS/AD

The Task Force received a brief report from the November 2016 session of the IWG on ITS/AD.

*Documentation:*     TFSC-01-07e WP paper on draft guideline of cyber security and data protection

The group reviewed the document kindly prepared by the chairman of the group. No additional comments had been received.

## IV.  Scope of work for task force on cyber security and data protection

The Task Force will be asked to discuss the scope of their work on cyber security and data protection. They may wish to discuss guidance, and other relevant, papers submitted in advance by its members and how these may be taken forward by the group. The output of this will be used to update the group's terms of

reference and agree a work plan. When the group has agreed a plan, they would seek to have this endorsed by the IWG on ITS/AD and adopted by WP.29.

Members were asked to submit any relevant papers by 13th December 2016 so that they may be shared with the group.

*Documentation:*    TFSC-01-03e DfT draft CAV cyber security principles

TFSC-01-08e proposed approach to cyber security in the TF_JPN

TFSC-01-09e ITU-T SG17_Presentation-hyyouml

TFSC-01-10e NHTSA Cybersecurity guidance

The task force agreed to work on certification relevant requirements regarding cyber security, data protection/data privacy and issues of over the air updates, without limiting the scope too much right from the beginning.

The group concluded that it was premature to decide at this point whether the results of the task force should be delivered as a recommendation for a regulation or a resolution/guideline. It was noted that many participants seemed to be in favour of a regulatory approach, rather than developing a further guideline document.

The group agreed that results shall be delivered by the task force within a one year timeframe together with a recommendation on how they might be used.

The papers listed above, except the NHTSA Cybersecurity guidance (TFSC-01-10e), were presented and discussed. The UK presented their paper on system security and design principles (TFSC-01-03), Japan presented their results of reviewing existing Cyber Security Guidelines (TFSC-01-08). The ITU presented their paper.

A 3-step approach to addressing the task of the group was suggested. This includes: 1st identify risks, 2nd identify objectives/requirements for how to mitigate them, 3rd develop a draft paper/guideline incorporating these requirements and how to achieve them.

It was acknowledged that the issue of cyber security is being addressed in various forums right now. ISO is looking into the subject of automotive cyber security (results expected by 2019), while ITU has a broader view on the subject and is currently in process of developing recommendations on general cyber security (X.1373, expected to be approved in March 2017) and related to V2X (X.itssec, expected by 2018). The task force welcomed input from those groups and all participants in future meetings.

The task force will have to decide on the definition of cyber security and its focus/boundaries (vehicle systems vs. vehicle + environment). A definition was proposed within the terms of reference.

The group agreed to identify risks and threats associated to cyber security and OTA. Members were asked to provide a list of these in time for the next full meeting.

The group agreed to concentrate initially on solutions for existing technology, while future technologies (e.g. vehicles with higher levels of automation) will be considered at a later stage as their issues become more apparent. This should allow the group to deliver results in a timely and appropriate fashion.

The group discussed data protection. The group identified the need to consider data privacy in discussions. In further meetings of the task force the definitions and boundaries for data protection and data privacy will have to be agreed on. OICA presented an overview on existing legislation, regulations and guidelines on data protection exist, pointing out the difficulties of an alignment of the national requirements already existing. The group agreed to concentrate on the technical, security related issues, of data protection and privacy whilst considering any relevant implications from legislation on data protection or data protection. Within discussions the group will consider what type of data is stored and/or transmitted.

Actions arising:

- Members to provide a list of risks and threats associated to cyber security and OTA

- Members to consider objectives/requirements for how to mitigate these risks/threats

- SAE to look into whether they could share their list of definitions

## V. Scope of work for task force on secure over the air updates (OTA)

The Task Force will be asked to discuss the scope of their work on secure over the air updates. They may wish to discuss guidance, and other relevant, papers submitted in advance by its members and how these may be taken forward by the group. The output of this will be used to update the group's terms of reference and agree a work plan. When the group has agreed a plan, they would seek to have this endorsed by the IWG on ITS/AD and adopted by WP.29.

Members are asked to submit any relevant papers by 13th December 2016 so that they may be shared with the group.

*Documentation:*     TFSC-01-05e Draft Recommendation ITU-T X.1373 summary letter

TFSC-01-06e Draft Recommendation ITU-T X.1373

Documents TFSC-01-05 and TFSC-01-06 had not been reviewed by the group in detail.

The chairman suggested continuing in a 2-pronged approach, which was agreed by the task force members. The 1st angle will be to consider security aspects regarding OTA/software updates; the 2nd angle will be to consider certification/type approval aspects. Task force members are requested to reflect on document ITS/AD-10-13, prepared by the UN secretariat for the WP.29 Informal Working Group ITS/AD.

The group shared the opinion, that the topic of software updates is a very important one and needs to be further reviewed, since existing regulations may not sufficiently address the current and future needs. It was identified future meetings will need to consider whether non-type approval relevant software updates should be within the scope of the discussions or not and how the outputs and conclusions of the group should be delivered (recommendation for a stand-alone regulation vs. dedicated paragraphs in various existing regulations). The European Commission and OICA will prepare input on OTA/software updates for the next session.

Actions arising:
- European Commission and OICA to prepare input on OTA/software updates for the next session.

## VI. Review of the draft Terms of Reference for the group

The Task Force may wish to review the proposed Terms of Reference for the group. When the ToR would be agreed by the TF, they would be endorsed by the IWG on ITS/AD and adopted by WP.29

*Documentation:*    TFSC-01-02e Draft Terms of Reference
TFSC-01-02e_comments_OICA
TFSC-01-04e comments China

The Terms of Reference were reviewed and revised by the group (see document TFSC-01-02-Rev1).
All participants are requested to review the document and provide input on:
- The definitions for Cyber Security, Data Protection, Data Privacy and Over-The-Air updates
- Key risks and threats
- Existing practices, etc.
- Evidence/assessment to demonstrate compliance (Cyber security)
- Implications of data protection and privacy legislation (Data protection / Data Privacy)
- Data to be stored / transmitted (Data protection / Data Privacy)
- Implications related to the approval of software /software updates (Over-The-Air updates)
- Implications related to post regulatory compliance of software (Over-The-Air updates)

Actions arising:
- Comments on the draft Terms of Reference (ToR) shall be given by end of January 2017.
- Task force agreed to finalise the ToR in a webinar/conference call in the beginning of February, 2017 (see item VII below).

## VII. Date and place of the next session

The Task Force shall agree on the date and place of the second session.

The chairman of the task force proposed a meeting every two month, preferring 2-day meetings in order to make progress. Beside physical/face-to-face meetings also phone conferences/webinars shall be considered.

Next meetings as follows:

Webinar/conference call to fix ToR: February 1, 2 or 3, 2017 (doodle poll provided by Darren Handley)

TFSC-02 meeting (physical/face-to-face): February 16-17, 2017 or February 20-21, 2017 at the OICA Office in Paris
1st day: Cyber Security items
2nd day: Data Protection/Privacy and OTA issues

TFSC-03 meeting (physical/face-to-face): March 13-14, 2017 at ITU, Geneva or March 20-21, 2017 in Geneva (venue open)

Further meetings are planned for May/June 2017 and September 2017.

Venues for further meetings: Belgium and China kindly offered to host any future meeting of the TFSC.

## VIII. Any Other Business

The Task Force may wish to discuss any other item proposed, if any.

No issues discussed.