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|  | United Nations | ECE/TRANS/WP.29/2023/70 | |
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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**190th session**

Geneva, 20-22 June 2023

Item 4.8.5 of the provisional agenda

**1958 Agreement:**

**Consideration of draft amendments to existing**

**UN Regulations submitted by GRVA**

Proposal for a Supplement 2 to the original text of UN Regulation No. 155 (Cyber Security and Cyber Security Management System)

Submitted by the Working Party on Automated/Autonomous and Connected Vehicles[[1]](#footnote-1)\*

The text reproduced below was adopted by the Working Party on Automated/Autonomous and Connected Vehicles (GRVA) at its fifteenth session (see ECE/TRANS/WP.29/GRVA/15, para. 49). It is based on Annex V to the session report (GRVA-15-05). It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their June 2023 sessions.

*Annex 5, Part A,* *second major row of Table A1*, *item 4,* amend to read:

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| 4.3.2 Threats to vehicles regarding their communication channels | 4 | Spoofing of messages or data received by the vehicle | 4.1 | **Spoofing of messages** by impersonation (e.g. V2X cooperative awareness or manoeuvre coordination messages, GNSS messages, etc.) |
| 4.2 | **Sybil attack** (in order to spoof other vehicles as if there are many vehicles on the road) |

*Annex 5, Part B,* *first row of Table B1*, amend to read:

| *Table A1 reference* | *Threats to "Vehicle communication channels"* | *Ref* | *Mitigation* |
| --- | --- | --- | --- |
| 4.1 | Spoofing of messages (e.g. V2X cooperative awareness or manoeuvre coordination messages, GNSS messages, etc.) by impersonation | M10 | The vehicle shall verify the authenticity and integrity of messages it receives |

1. \* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect.20), para 20.6), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate. [↑](#footnote-ref-1)