

ISO/TR 23786:2019-11 (E)

Road vehicles - Solutions for remote access to vehicle - Criteria for risk assessment

| Contents | | Page |
|--|---|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Abbreviated terms | 2 |
| 5 | Handling the risks | 3 |
| 5.1 | Risk categories | 3 |
| 5.2 | Performing the risk assessment | 3 |
| 5.3 | Risk assessment in the case of an RCS-specification | 3 |
| 6 | Assessment of the risks related to the safety of persons and goods during the vehicle life cycle | 4 |
| 6.1 | List of safety risks | 4 |
| 6.2 | Remarks related to the assessment of the safety risks | 5 |
| 6.2.1 | General | 5 |
| 6.2.2 | Potential overload of the electronic system of the moving vehicle | 5 |
| 6.2.3 | Illicit or malicious remote control of the vehicle or vehicles | 5 |
| 6.2.4 | Other safety risks resulting from cybersecurity issues or problems | 6 |
| 6.2.5 | Absence of consideration of the complete vehicle life cycle | 6 |
| 7 | Assessment of the cybersecurity risks related to the vehicle remote communication system | 7 |
| 7.1 | Cybersecurity risks | 7 |
| 7.2 | Remarks related to the assessment of the cybersecurity risks | 7 |
| 7.2.1 | General considerations related to cybersecurity risks | 7 |
| 7.2.2 | General considerations related to misuse prevention measures | 7 |
| 8 | Assessment of the risks associated to the fair competition among the concerned actors ... | 8 |
| 8.1 | List of competition risks | 8 |
| 8.2 | Remarks related to the assessment of the competition risks | 8 |
| 8.2.1 | Involved actors | 8 |
| 8.2.2 | Risk related to the monitoring of the market | 8 |
| 8.2.3 | Possible unique knowledge of the customer's behaviour through monitoring, | 9 |
| 8.2.4 | Risks related to the development of new after-sales applications | 10 |
| 8.2.5 | Competition risks among manufacturers | 10 |
| 9 | Assessment of the risks related to the responsibility and liability of the concerned actors | 10 |
| 10 | Assessment of the risks related to the protection of the resources owned by the resource owner (data protection) | 10 |
| Annex A (informative) Template proposal for assessing a possible risk | | 11 |
| Bibliography | | 12 |