**Joint Action on HARmonized Products 2021 JAHARP2021-06**

**Grant Agreement No. JA2021-06**

**Call for Tender for Testing Laboratories**

**RADIO EQUIPMENT IN CARS**

Appendix I – Detailed Product Testing Requirements and Price List

The testing of aftermarket radio equipment in cars to be carried out in the framework of this Joint Market Surveillance Action will be based on Radio Equipment Directive 2014/53/EU, Article 3(2).

The purpose of testing is to identify non-compliances allowing a market surveillance authority to decide whether a specific radio equipment product poses a risk to consumers such that action may be taken against it. The project allows for the testing of approximately 50 radio equipment products. Two samples of each product will be provided giving 100 products in total.

For the items in the table below please provide the price in Euros for a single radio equipment product, including any discount that might apply for testing 50 products.

|  |
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| Aftermarket radio equipment in cars – Testing according to Radio Equipment Directive 2014/53/EU, Article 3(2)  |
| Item | **Testing criteria** | **Price (EUR)** |
| 1 | Testing of one aftermarket radio equipment product under Directive 2014/53/EU, Article 3(2), which may include, but is not limited to, radio sensors and radars, ITS (Intelligent Transportation System) parts, eCall, remote control key fobs, tyre pressure control devices etc.Testing must be performed using the latest valid harmonised editions of the relevant standards (as published in the Official Journal of the European Union – OJEU), unless otherwise stated. The standards individual radio equipment products are provided below. |  |
| 2 | Production of a short-form test report, for one radio equipment product. |  |
| 1.1. | EN 300 328 V2.2.2. Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum |  |
| 1.2. | EN 301 893 V2.1.1. 5 GHz RLAN; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU |  |
| 1.3. | EN 303 413 V.1.1.1 Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers; Radio equipment operating in the 1164 MHz to 1300 MHz and 1559 MHz to 1610 MHz frequency bands; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU |  |
| 1.4. | EN 303 413 V1.2.1 Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers; Radio equipment operating in the 1164 MHz to 1300 MHz and 1559 MHz to 1610 MHz frequency bands; Harmonised Standard for access to radio spectrum |  |
| 1.5. | EN 300 220-2 V3.1.1 Short Range Devices (SRD) operating in the frequency range 25MHz to 1000 MHz; Part 2: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU for non-specific radio equipment |  |
| 1.6. | EN 300 220-3-1 V2.1.1 Short Range Devices (SRD) operating in the frequency range 25MHz to 1 000 MHz; Part 3-1: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Low duty cycle high reliability equipment, social alarms equipment operating on designated frequencies (869,200MHz to 869,250 MHz) |  |
| 1.7. | EN 300 220-3-2 V1.1.1 Short Range Devices (SRD) operating in the frequency range 25MHz to 1000 MHz; Part 3-2: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Wireless alarms operating in designated LDC/HR frequency bands 868,60MHz to 868,70 MHz, 869,25 MHz to 869,40 MHz, 869,65 MHz to 869,70 MHz |  |
| 1.8. | EN 300 220-4 V1.1.1 Short Range Devices (SRD) operating in the frequency range 25MHz to 1000 MHz; Part 4: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Metering devices operating in designated band 169,400 MHz to 169,475 MHz |  |
| 2. | Production of a short-form test report, for one radio equipment product. |  |
| 3. | Total price for testing one radio equipment product and test report production: |  |
| 3.1. | According EN 300 328 V2.2.2. |  |
| 3.2. | According EN 301 893 V2.1.1. |  |
| 3.3. | According EN 303 413 V.1.1.1 |  |
| 3.4. | According EN 303 413 V1.2.1 |  |
| 3.5. | According EN 300 220-2 V3.1.1. |  |
| 3.6. | According EN 300 220-3-1 V2.1.1 |  |
| 3.7. | According EN 300 220-3-2 V1.1.1 |  |
| 3.8. | According EN 300 220-4 V1.1.1 |  |
|  |
|  | Indication of any discount for testing 50 radio equipment products (indicate percentage and conditions) | % |

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