**Joint Actions on Harmonised Products 2020**

JAHARP2020-3 (Grant agreement N° SI2.851409)

Work Package 3: USB Chargers

Brussels, 13 December 2021

Invitation to express interest and to provide information

# Procedure

Please complete Tables A, B and C below and send your response as soon as possible and no later than **1 February 2022,** by e-mail:

to the PROSAFE Office addressed to Mrs Ioana Sandu, Executive Director, at [harp2020@prosafe.org](mailto:harp2020@prosafe.org) and to Mr Andrew Gordon, PROSAFE Facilitator, at [andrew@cecompliancesolutions.co.uk](mailto:andrew@cecompliancesolutions.co.uk)

For clarification on any aspect of this invitation, please send an e-mail to the above addresses.

1. **Identity of the laboratory**

|  |  |  |
| --- | --- | --- |
| Name of the laboratory |  | |
| Address |  | |
| NB Number |  | |
| Contact person | Name |  |
| E-mail |  |
| Telephone |  |

1. **Test programme and number of samples**

The tests to be carried out in the framework of this Joint Market Surveillance Action will be based on the latest valid harmonised (as published in the Official Journal of the European Union – OJEU) edition of EN 62368-1. Testing is a ‘smart-screening’ approach and not type testing. Testing is targeted at safety-critical criteria likely to result in significant failures and potential hazards. Testing personnel should use their professional judgement in selecting the most appropriate clause/sub-clause for the product (**direct plug-in equipment**). The project allows for testing of approximately 130 USB charger products. Two samples of each USB charger product type would be provided giving a total of 260 product samples.

The suggested maximum testing duration per product is 6 hours. Details are provided in the table below. You are invited to suggest alternative or additional testing, or both, that may be carried out within this time.

Please provide an indicative cost for each test listed below in Euros without VAT (non-contractual information– see section 2), including the cost of preparing a short-form test report for each USB charger type.

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| --- | --- | --- | --- |
| Test | Clause of EN 62368-1 | Remarks | Indicative cost (Euros without VAT) |
| Use of components | 4.1.2 | Inspection only, as individual component data/approvals documentation will not be provided. Comment on the suitably of components bridging double/reinforced insulation. |  |
| Marking and instructions | 4.1.15 | This should include the marking durability test where necessary (Annex F.3.10). |  |
| Safeguards | T.8 | Stress relief test |  |
| Fixing of conductors | 4.6 | Application of steady force test in Clause T.2 to the component or part under consideration where necessary. |  |
| Equipment for direct insertion into mains socket-outlets | 4.7 | Dimensional check for plug portion of USB charger only. |  |
| Insulation materials | 5.4 | Determination of temperatures for materials as per Table 10.  And ball pressure test where possible. |  |
| Electric strength | 5.4.9 | Immediately following the temperature test in 5.4.1.4 with reference to Table 26 (peak voltages – 2.5 kV peak), and 5.4.2.3.2.2 and Table 13 (mains transient voltages – *Overvoltage Category II*). |  |
| Prospective touch voltage, touch current, and protective conductor current | 5.7.1 | Testing performed at most unfavourable supply voltage. |  |
| Electrically-caused fire | 6.1 | Based on a single fault condition under the conditions of Clause B.4. |  |
| Fire enclosures and fire barriers | 6.4.8 | Needle-flame test according to IEC 60695-11-5. |  |
| Price for producing test report (per sample of each USB charger type) | | |  |
| Total price (EUR) for product testing and test report production | | |  |

1. **Comments or suggestions**

Please provide below any comments or suggestions that might help PROSAFE and the project group in the preparation of the Call for Tender.

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**Disclaimer:** This document arises from the Joint Market Surveillance Actions on Harmonised Products – JAHARP2020, which receives Funding from the European Union in the framework of the Action entitled "EU support to joint market surveillance actions for non-food products". The content of this document represents the views of the author only and it is his sole responsibility. It cannot be considered to reflect the views of the European Commission or any other body of the European Union. The European Commission does not accept any responsibility for use that may be made of the information it contains