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| ToR SPLU 171 (Ref. Body ISG mWT) |
| Version: 2.0 |
| Author: Ultan Mulligan – Date: 2022-12-06 |
| Last updated by: ETSI Secretariat – Date: 2022-12-15 |
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**Terms of Reference –PLUGTESTSTM Technical Proposal**

**SPLU 171 (Ref. Body ISG mWT)**

**4th mWT SDN Plugtests**

**Summary information**

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| --- | --- | --- |
| Event Name | 4th mWT SDN Plugtests | |
| Event start date | 20 February 2023 | |
| Event end date | 24 February 2023 | |
| Format of the event | Lab tests | |
| Type of event | face-to-face | |
| Place of the Event (if so) | ETSI | |
| Reference Body /ISG involved | Ref. Body  ISG mWT | |
| In collaboration with/with the support of |  | |
| Standardised methodologies, techniques and best practices used: | • EG 202 237: Generic Methodology for Interoperability Testing | |
| ETSI Funding | **Maximum budget : 6 000 EUR** | |
| Time scale | **From** | 2023-01-23 |
| **To** | 2023-03-24 |

Part I –Technical Proposal

# Rationale & Objectives

ETSI will host the fourth ETSI mWT (millimetre Wave Transmission) SDN (Software Defined Network) Plugtests™ event which will take place from the 20th to the 24th February 2023. This event will take place at ETSI’s headquarters at Sophia Antipolis, France.

This edition of the Plugtests event will focus on proving the ability of Software Defined Network (SDN) to operate from an end to end service point of view.

Building upon the previous three editions which focused on a standard Northbound Interface (NBI), this fourth event will now look at the Southbound Interface (SBI).

The format of the event will be lab tests conducted in ETSI premises.

Any microwave (MW) and millimetre wave (mmW) equipment vendor is welcome to participate and shall provide a full domain, including the domain controller and the related MW/mmW equipment (as a single company or in partnership with other companies).

# Expertise required / Budget allocated

## Task summary

**Task description:**

|  |  |
| --- | --- |
| **Task**  **No.** | **Task description** *(example here below)* |
| T0 | Event Preparation Support:   * Supporting the preparation and remote integration phases, including participation to regular conference-calls * Reviewing and providing feedback on the interoperability test plan for interoperability features and conformance checks |
| T1 | On-site Support:   * Assisting with the setup and management of local test and support infrastructure * Scheduling and running on-site test sessions, answering participants’ questions and compiling feedback on the test plans and mWT specifications * Supporting the execution of test sessions by operating the tooling necessary to generate and inject traffic into the test network * Supporting the verification of test verdicts by operating the tooling necessary to validate services availability and quality in the test network, according to the test plan |
| T2 | Post-Event Support:   * Assisting with the production of the report of the test execution and the production of the event Report |

## Expertise required / Team structure

Up to 2 participants to ensure the following mix of competences:

|  |  |
| --- | --- |
| **Priority** | **Qualifications and competences** *(example here below)* |
| High | Practical experience with Teletraffic engineering, Traffic Generators, SDN controller administration |
| High | Familiar with ETSI mWT Specifications |
| High | Familiar with IETF NETCONF and REST CONF specification |
| High | Programming skills in interpreted languages, Python in particular |
| High | Capability to provide traffic generation and monitoring equipment autonomously |

## Budget allocated:

**Budget table:**

The budget below includes the cost for travels which are necessary to attend the event.

|  |  |  |  |
| --- | --- | --- | --- |
| **Task**  **No.** | **Task description** | **Cut-Off date** | **Total in EUR** |
| *T0* | Event Preparation Support:   * Supporting the preparation and remote integration phases, including participation to regular conference-calls * Reviewing and providing feedback on the interoperability test plan for interoperability features and conformance checks |  | 2 400 |
| *T1* | On-site Support:   * Assisting with the setup and management of local test and support infrastructure * Scheduling and running on-site test sessions, answering participants’ questions and compiling feedback on the test plans and mWT specifications * Supporting the execution of test sessions by operating the tooling necessary to generate and inject traffic into the test network * Supporting the verification of test verdicts by operating the tooling necessary to validate services availability and quality in the test network, according to the test plan |  | 3 000 |
| *T2* | Post-Event Support:   * Assisting with the production of the report of the test execution and the production of the event Report |  | 600 |
| **MILESTONE A** | All tasks completed, Event closed | 2023-03-24 |  |
| **TOTAL** | |  | **6 000** |

# Document history

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|  | **Date** | **Author** | **Status** | **Comments** |
| 1.0 | 2022-12-06 | UJM |  | 1st draft |
| 2.0 | 20222-12-15 | ETSI Secretariat | Final | Update before CL publication |