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| ToR TTF T\_AG (ETSI SCP) |
| Version: 2.5 |
| Author: Andreas Bertling – Date: 2019-10-09 |
| Last updated by: STF support – Date: 2020-04-16 |
| page 1 of 15 |

Terms of Reference –Testing Task Force Proposal

TTF T\_AG (ETSI SCP)

SSP Test Specification

Summary information

|  |  |  |
| --- | --- | --- |
| Approval status | Approved by TC SCP (SCP(19)000230r1 at SCP#90) |  |
| Reference Body | Ref. Body ETSI TC SCP  |
| ETSI Funding | **Maximum budget: 277,000 EUR over two years:**2020 budget: 183 000 (168 000 expertise + 15 000 travel)2021 budget: 94 000 (84 000 expertise + 10 000 travel) |
| Minimum of 4 ETSI Members Support | **YES** |
| Time scale 2020 | **From** | 2020-05-04 |
| **To** | 2021-01-31 |
| Time scale 2021 | **From** | 2021-01-01 |
| **To** | 2021-09-30 |
| Work Items  | *SSP Test Specification – SSP, General characteristicsSSP Test Specification – SSP, SPI interface**SSP Test Specification – SSP, iSSP characteristics*  |
| TTF Roadmap reference |  |

Part I –TTF Technical Proposal

# Rationale & Objectives

## Rationale

ETSI Technical Committee Smart Card Platform Working Group Test (ETSI TC SCP WG TEST) responsibility is to specify test methods to be able to verify technologies specified under ETSI TC SCP’s responsibility.

In 2019 TC SCP approved three technical specifications for the realisation of the Smart Secure Platform (SSP), TS 103 666-1, TS 103 666-2 and TS 103 713. Those specifications have been developed by SCP TEC under the following work items: DTS/SCP-RSSPve00, DTS/SCP-TSSPve00 and DTS/SCP-T103713vf00. Some of this work was supported by the STF546.

The SSP as well as the UICC will serve as platform for many different applications and use cases within different market places. The use cases include, in particular, those of 3GPP and the Internet of Things. Having this in mind testing the UICC and SSP is essential to provide interoperable solutions to enable these use cases (“every SSP in every device”).

The SSP intends to provide security services and to store data securely. It will come in different form factors. One of them is intended to be integrated into the terminal’s SoC architecture, which results in the situation that a physical interface to access the SSP might not be available.

Most of the existing ETSI TC SCP test specifications make use of a physical interface to access and test the UICC and its functionality. To be able to verify the SSP functionality, new test methods need to be specified that cope with the situation that a physical interface is not accessible.

As the SSP shall provide trust and privacy in IoT and mobile applications, it is essential to the market that the SSP behaves as specified. Therefore, test methods are required to be able verify the SSP behaviour.

## Objectives of the work to be executed

The TTF shall deliver test methods and test cases to be able to verify the common SSP characteristics as well as those of dedicated SSP Classes as described in the relevant technical specifications.

The work on the SSP test specification includes the following aspects (non-exhaustive list):

* SSP Common Layer
* SSP core services
* Physical and Logical interfaces
* SSP initialisation
* Data management
* SSP identification
* SSP security
* Interoperability of Secondary Platform Bundles
* SSP related terminal requirements

The work of a TTF will be split in the following work packages.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Working days** | **Comment** | **Budget year** |
| Requirements Capturing | 60 | Including structure of specifications | 2020 |
| Definition of a new test method  | 50 | For those without a physical interface  | 2020 |
| Review of existing test cases for re-usability.  | 10 | Adaptation of existing UICC test cases to the SSP.  | 2020 |
| Specification of test cases I | 160 | For TS 103 666-1\* | 2020 |
| Specification of test cases II | 140 | For TS 103 666-2 | 2021 |

\*This includes the TEST specification for the newly created TS 103 713 SPI specification.

## Previous funded activities in the same domain

STF 361 on UICC Contactless interface testing for Smart Cards
(ETSI TS 102 695-1, -2, -3, ETSI TS 102 694-1, -2)

## STF 391 on UICC USB interface testing (ETSI TS 102 922-1, -2)STF 431 on Smart Cards Secure Channel testing (ETSI TS 103 484-1, -2)

STF 546 on Smart Secure Platform (ETSI TS 103 666-1, ETSI TS 103 666-2)

## Consequences if not agreed

Currently, TC SCP TEST has limited knowledge of embedded systems and the way System on Chips (SoCs) can be verified, as experts in embedded systems do not attend SCP TEST. To be able to set-up a team of experts with the required knowledge a funded TTF is needed.

In addition, the current ETSI TC SCP WG TEST member companies have limited resources and cannot provide sufficient knowledge of the new environment to be able to perform the work in the time required to achieve an interoperable introduction of SSP as the next generation secure platform.

# ETSI Members Support

|  |  |  |
| --- | --- | --- |
| **#** | **ETSI Member** | **Supporting delegate** |
| 1 | STMicroelectronics  | Rita Mantero Lagomarsino |
| 2 | Comprion GmbH  | Andreas Bertling  |
| 3 | NXP Semiconductors Netherlands  | Frederic Grandjacques |
| 4 | UL VS Ltd  | Calum MacLean  |
| 5 | Vodafone Group Plc | Tim Evans |
| 6 | Orange | Todor Gamishev |
| 7 | Idemia | Heiko Kruse |
| 8 | Giesecke+Devrient Mobile Security GmbH | Daniel Daksiewicz |
| 9 | Gemalto N.V. | Denis Praca |
| 10 | Bouygues Telecom | Sophie Diallo |
| 11 | Valid | Alejandro Pulido |
| 12 | AT&T | David K. Smith |
| 13 | Samsung R&D Institute UK  | Duckey Lee |
| 14 | Nokia Corporation | Bo Bjerrum |
| 15 | Deutsche Telekom | Stefan Kaliner |
| 16 | Huawei Technologies France | Davide Pratone |
| 17 | Infineon Technologies | Christian Schneckenburger |
| 18 | Truphone | Vladimir Nagin |

# Deliverables

## Base documents

|  |  |  |
| --- | --- | --- |
| **Document** | **Title** | **Status** |
| ETSI TS 103 666-1 | Smart Secure Platform (SSP); General characteristics | Published |
| ETSI TS 103 666-2 | Smart Secure Platform (SSP); Integrated SSP (iSSP) characteristics | Published |
| ETSI TS 103 713 | Smart Secure Platform (SSP); SPI interface | Published |
| ETSI TS 102 221 | Smart Cards; UICC-Terminal interface; Physical and logical characteristics | Published |
| ETSI TS 103 465 | Smart Cards; Smart Secure Platform (SSP); Requirements Specification | Published |
| ISO/IEC 7816-4 | Identification cards - Integrated circuit cards - Part 4: Organization, security and commands for interchange | Published |

## New deliverables

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliv.** | **Work Item code****Standard number** | **Working title** | **Expected date for publication** |
| D1 | DTS/SCP-00TSSPvf00-1 | Working title: *SSP Test Specification – SSP, General characteristics* | After SCP#94 (December 2020) |
| D2 | DTS/SCP-T103713vf00 | Working title: *SSP Test Specification – SSP, SPI interface* | After SCP#94 (December 2020) |
| D3 | DTS/SCP-00TSSPvf00- | Working title: *SSP Test Specification – SSP, iSSP characteristics* | After SCP#97(September 2021) |

# Maximum budget

## Task summary/Manpower Budget

The tables below provide budget per task and per budget year that should be allocated for this TTF.

It is expected the experts will work within their companies’ premises and will meet regularly (online or F2F). Face to Face working sessions will be done in ETSI premises.

|  |  |  |
| --- | --- | --- |
| **Task short description** | Overall Budget (EUR) | Budget year |
|  |  |  |
| Requirements Capturing (60 MD) | 36 000 | 2020 |
| Definition of a new test method (50 MD) | 30 000 | 2020 |
| Analysis of existing test cases (10 MD) | 6 000 | 2020 |
| Specification of test cases I (160 MD) | 96 000 | 2020 |
| Specification of test cases II (140 MD) | 84 000 | 2021 |
|  |  |  |
| **TOTAL** | **252 000** |  |
| 2020 BUDGET | 168 000 |  |
| 2021 BUDGET | 84 000 |  |

## Travel budget

25 000 EUR to present contributions at ETSI TC SCP plenary meetings: eight trips in two years including four intercontinental ones.

This is split between 15 000 EUR in 2020 budget and 10 000 EUR in 2021 budget.

Part II – Details on TTF Technical Proposal

# Tasks, Technical Bodies and other stakeholders

## Organization of the work

The work will be supervised by ETSI SCP WG TEST and validated during ETSI SCP Plenary meetings.

TC SCP WG TEST will act as the steering committee. ETSI SCP WG TEST will review the work of the TTF on a regular basis (every few weeks) and will provide feedback as well as recommendations to the TTF. The TTF leader will report to both ETSI SCP WG TEST and the Steering Group on the resolutions of the recommendations in a timely manner for further deliberation.

The TTF leader shall report on a regular basis to TC SCP.

In addition, a Steering Group (SG) will be formed comprising members of TC SCP under the mandate of TC SCP to direct and advise the TTF in between TC SCP plenary meetings. It will consist of the chairs of TC SCP, TC SCP WG TEST and the rapporteurs of TS 103 666-1, TS 103 666-2 and TS 103 713, and will include the TC SCP Vice Chairmen as well as the SCP TEST Vice Chairman.

The TTF will provide regular progress reports to the Steering Group. Conference calls will be held when appropriate. Face-to-face meetings will occur in connection with the relevant TC meetings and Working Group meetings.

The TTF members will have a dedicated mailing list but will also be able to use the existing mailing list of TC SCP WG TEST. As a consequence, TC SCP WG TEST delegates will be able to contribute easily to the discussions. In a similar fashion, the use of the TC SCP WG TEC mailing list will be open for use by the TTF members, should clarifications be requested in relation to the SSP technical realisation.

The Technical Officer in charge of TC SCP offers to set-up and help maintain TTF-dedicated Web/Portal pages.

## Other interested ETSI Technical Bodies

* TC CYBER
* TC eHealth

## Other stakeholders

Centre for Testing and Interoperability (CTI): consultation, in particular, on interoperability and organisation of timely Plugtests after the respective publication (in 2021).

GlobalPlatform: for clarification of potential technical issues concerning the VPP and cooperation with respect to test cases.

The following organisations being potential customers of the SSP specifications will be kept up to date of the development of the test specifications:

* 3GPP SA3
* 3GPP CT6
* oneM2M
* GSMA
* EMVCo
* EPC
* SIMalliance
* CCC (Car Connectivity Consortium)
* Global Certification Forum (GCF)
* PTC Review Board (PTCRB)

Part III: Execution of Work

# Work plan, time scale and resources

## Task description

|  |  |
| --- | --- |
| **Task #01** | **Project Management**  |
| **Objectives** | Project Management (carried out by the TTF Leader). Coordination, communication, reporting and leading of the TTF team activities, in collaboration with the ETSI secretariat and TC SCP WG TEST |
| **Input** | Work schedule of the TTF |
| **Output** | Progress reports  |
| **Interactions** | Regular reporting to TC SCP and TC SCP WG TEST |
| **Resources required** | Meeting room in ETSI premises when relevant / GoToMeeting 8 000 EUR + 15 000 EUR Travel budget |

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| **Task #02** | **Requirements Capturing of SSP test requirements**  |
| **Objectives** | Collection of the SSP requirements that need to be tested |
| **Input** | ETSI TS 103 666-1, ETSI TS 103 666-2, ETSI TS 103 713 |
| **Output** | List of test requirements that need to be tested to be able to verify a suitable SSP implementation  |
| **Interactions** | TC SCP TEST and TC SCP TEC will be the main contacts for the TTF during the work |
| **Resources required** | Meeting room in ETSI premises when relevant / GoToMeeting 35 000 EUR |

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| **Task #03** | **Development of SSP Test Environment**  |
| **Objectives** | Specification of new test methods to be able to verify various SSP implementations |
| **Input** | SSP test requirements (output from Task#02) |
| **Output** | Concept of SSP test environment including required test methods to able to verify SSP implementations |
| **Interactions** | TC SCP TEST will be the main contact for the TTF during the work. |
| **Resources required** | Meeting space in ETSI premises when relevant / GoToMeeting29 000 EUR |

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| **Task #04** | **Review of existing test cases for re-usability**  |
| **Objectives** | Analysis of existing test specifications  |
| **Input** | TC SCP test specifications  |
| **Output** | List of existing test cases that can be reused  |
| **Interactions** | TC SCP TEST will be the main contact for the TTF during the work. |
| **Resources required** | Meeting space in ETSI premises when relevant / GoToMeeting5 000 EUR |

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| **Task #05** | **Development of SSP Test Specification - SSP, General characteristics** |
| **Objectives** | Delivery of a test specification for the generic aspects of the SSP. The work will include definition of a general test environment for the SSP. The test specification will cover hardware requirements for the SSP together with the necessary commands and procedures. Test cases for related logical and physical interfaces as well as their management will also be specified. The specification will also provide test cases for the platform and application management aspects. |
| **Input** | ETSI TS 103 666-1, ETSI TS 103 713 |
| **Output** | Test Specification covering the test requirements of the general characteristics of the SSP. Due to the SPI part of 103 666-1 having been published as a separate specification (TS 103 713) the output needs to be split into two separate documents. |
| **Interactions** | TC SCP TEST and TC SCP TEC will be the main contacts for the TTF during the work. |
| **Resources required** | Meeting space in ETSI premises when relevant / GoToMeeting40 000 EUR |

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| **Task #06** | **Development of SSP Test Specification - SSP, SPI interface** |
| **Objectives** | Delivery of a test specification for the generic aspects of the SSP. The work will include definition of a general test environment for the SSP. The test specification will cover hardware requirements for the SSP together with the necessary commands and procedures. Test cases for related logical and physical interfaces as well as their management will also be specified. The specification will also provide test cases for the platform and application management aspects. |
| **Input** | ETSI TS 103 666-1, ETSI TS 103 713 |
| **Output** | Test Specification covering the test requirements of the general characteristics of the SSP. Due to the SPI part of 103 666-1 having been published as a separate specification (TS 103 713). The output needs to be split into two separate documents. |
| **Interactions** | TC SCP TEST and TC SCP TEC will be the main contacts for the TTF during the work. |
| **Resources required** | Meeting space in ETSI premises when relevant / GoToMeeting.51 000 EUR |

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| **Task #07** | **Development of SSP Test Specification - SSP, iSSP characteristics** |
| **Objectives** | Delivery of a test specification, based on TS 103 666-2, for a specific SSP class (iSSP) intended for SSP implementations in a System-on-Chip (SoC). The work will focus on specifying test cases to verify iSSP implementations and interfaces to SoC-specific constraints. |
| **Input** | ETSI TS 103 666-1, ETSI TS 103 666-2  |
| **Output** | One Test Specification covering the test requirements of the iSSP characteristics of the SSP |
| **Interactions** | TC SCP TEST and TC SCP TEC will be the main contacts for the TTF during the work. |
| **Resources required** | Meeting space in ETSI premises when relevant / GoToMeeting.84 000 EUR plus 10 000 Travel budget |

## Milestones

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Description** | **Cut-Off Date** |
| **A** | **Requirements Capturing of SSP test requirements****Development of SSP Test Environment** | 09/20SCP#94 |
| SCP TEST  | List of test requirements to be used to start working on a test environment: First draft test specification skeleton including unique ident of the test requirementsConcept for the test environment and test methods: Draft of a test environment to be used to develop test cases to verify the specified test requirements |
| ETSI Deliverable | Progress Report approved by TC SCP First draft test specification skeleton including unique identification of the test requirements Draft of a test environment to be used to develop test cases to verify the specified test requirements |

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| **B** | **Early draft of SSP Test Specification - SSP, General characteristics****Early draft of SSP Test Specification - SSP, SPI interface characteristics** | 12/20SCP#95 |
| SCP TEST | Early draft of SSP Test Specification - SSP, General characteristics 60% completeEarly draft of SSP Test Specification - SSP, SPI interface, 60% complete |
| ETSI Deliverable | Progress Report approved by TC SCPEarly draft of SSP Test Specification - SSP, General characteristicsEarly draft of SSP Test Specification - SSP, SPI Interface |

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| --- | --- | --- |
| **C** | **Final draft of SSP Test Specification - SSP, General characteristics****Final draft of SSP Test Specification - SSP, SPI interface** | 03/21 |
| SCP TEST | Final SSP Test Specification - SSP, General characteristics covering TS 103 666-1.Final SSP Test Specification - SSP, SPI interface covering TS 103 713. |
| ETSI Deliverable | Final Report approved by TC SCPFinal draft of SSP Test Specification - SSP, General characteristicsFinal draft of SSP Test Specification - SSP, SPI Interface |

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| --- | --- | --- |
| **D** | **Publication of first two deliverables** | 2021-04-30 |
| SCP TEST |  |
| ETSI Deliverable | Publication of SSP Test Specification - SSP, General characteristicsPublication of SSP Test Specification - SSP, SPI Interface  |

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| --- | --- | --- |
| **E** | **Early draft of SSP Test Specification - SSP, iSSP characteristics** | 06/21 |
| SCP TEST | Early draft of SSP Test Specification - SSP, iSSP characteristics 60% complete |
| ETSI Deliverable | Progress Report Approved by TC SCPEarly draft of SSP Test Specification - SSP, iSSP characteristics |

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| --- | --- | --- |
| **F** | **Final draft of SSP Test Specification - SSP, iSSP characteristics** | 09/21 |
| SCP TEST | Final draft of SSP Test Specification - SSP, iSSP characteristics |
| ETSI Deliverable | Final Report approved by TC SCPFinal draft of SSP Test Specification - SSP, iSSP characteristics  |

|  |  |  |
| --- | --- | --- |
| **G** | **Final deliverable published** | 2021-10-31 |
| SCP TEST |  |
| ETSI Deliverable | Publication of SSP Test Specification - SSP, iSSP characteristics |

## Task summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Code** | **Task / Milestone**  | Target Date | Estimated Cost (EUR) |
| From | To |
|  | Start of work |  |  |  |
| T1 | Project Management | 05/20 | 09/21 | 8 000 |
| T2 | Requirements Capturing of SSP test requirements | 06/20 | 07/20 | 35 000 |
|  |  |  |  |  |
| T3 | Development of SSP Test Environment | 07/20 | 08/20 | 29 000 |
| T4 | Analysis of exiting test cases | 07/20 | 08/20 | 5 000 |
| Milestone A | Progress Report approved by TC SCPDraft of the test requirements as input to T3Draft of the SSP test environment as input to T5 and T6 |  | 09/20SCP#94 |  |
| T5 | Development of SSP Test Specification - SSP, General characteristics | 09/20 | 12/20 | 40 000 |
| T6 | Development of SSP Test Specification - SSP, SPI interface | 09/20 | 12/20 | 51 000 |
| Milestone B | Progress Report approved by TC SCPEarly draft of SSP Test Specification - SSP, General characteristicsEarly draft of SSP Test Specification - SSP, SPI Interface |  | 12/20SCP#95 |  |
| Milestone C | Final Report approved by TC SCPFinal draft of SSP Test Specification - SSP, General characteristicsFinal draft of SSP Test Specification - SSP, SPI Interface |  | 03/21 |  |
| Milestone D | Publication of SSP Test Specification - SSP, General characteristicsPublication of SSP Test Specification - SSP, SPI Interface |  | 04/21 |  |
|  |  |  |  |  |
|  |  |  |  |  |
| T7 | Development of SSP Test Specification - SSP, iSSP characteristics | 04/21 | 09/21 | 84 000 |
| Milestone E | Progress Report approved by TC SCPEarly draft of SSP Test Specification - SSP, iSSP characteristics |  | 06/21 |  |
| Milestone F | Final Report approved by TC SCPFinal draft of SSP Test Specification - SSP, iSSP characteristics |  | 09/21 |  |
| MilestoneG | Deliverables published, TTF closed |  | 10/21 |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Task/ Mil.** | **J** | **F** | **M** | **A** | **M** | **J** | **J** | **A** | **S** | **O** | **N** | **D** |  | **J** | **F** | **M** | **A** | **M** | **J** | **J** | **A** | **S** | **O** | **N** | **D** |
| **SCP#** |  |  |  |  |  | **93** |  |  | **94** |  |  | **95** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T1 |  |  |  |  | X | X | X | X | X | X | X | X |  | X | X | X | X | X | X | X | X | X |  |  |  |
| T2 |  |  |  |  |  | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T3 |  |  |  |  |  |  | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T4 |  |  |  |  |  |  | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MA |  |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T5 |  |  |  |  |  |  |  |  | X | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T6 |  |  |  |  |  |  |  |  | X | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MB |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MC |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |
| MD |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |
| T7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | X | X | X | X | X |  |  |  |
| ME |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  |  |
| MF |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |
| MG |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |

# Expertise required

## Team structure

Up to 6 participants to ensure the following mix of competences:

|  |  |
| --- | --- |
| **Priority** | **Qualifications and competences** |
| High | Skills in writing technical specifications especially test specifications  |
| High | Detailed knowledge of the core specifications TS 103 666-1, TS 103 666-2 and TS 103 713.  |
| High | Detailed knowledge of SoC hardware and SW architecture  |
| High | Knowledge of TC SCP test specifications (TS 102 230-1/-2, TS 103 694-1/-2) |
| High | Knowledge of UICC run-time environment.  |
| High | Knowledge of chip architecture. |
| High | Knowledge of operating system design |
| Medium | Awareness of 3GPP work. |
| Medium | Awareness of GSMA work. |

Part IV: TTF performance evaluation criteria

# Performance Indicators

|  |
| --- |
| **Select relevant Performance indicators applicable for these ToR (X)** |
| Contribution from ETSI Members to TTF work |
| Steering Group meetings (number of meetings) | 4 SG meeting, 4 TC SCP Plenary 4 TC SCP WG TEST  |
| Number of delegates directly involved in the review of the deliverables | 10 |
|  |  |
| **Contribution from the TTF to ETSI work** |
| Contributions to Reference Body meetings during 2020 and 2021 (number of documents) | 3 draft test specifications3 test specifications 6 progress reports |
|  |  |
| **Quality of deliverables** |
| Approval of deliverables according to schedule | 3 test specifications6 progress reports  |
| Respect of time scale, with reference to start/end dates in the approved ToR | See cover page  |
| Comments from Quality review by Reference Body |  |
| Comments from Quality review by ETSI Secretariat |  |

Time recording

For reporting purposes, the TTF experts shall fill in the time sheet provided by ETSI with the days spent for the performance of the services.

In the course of the activity, the TTF Leader will collect the relevant information, as necessary to measure the performance indicators. The result will be presented in a final report.

# Document history

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Date** | **Author** | **Status** | **Comments** |
| 0.0 | 20YY-mm-dd |  |  |  |
| 1.0 | 2019-09-01 | AB  | DRAFT | SCP(19)000166r1  |
| 2.0 | 2019-10-29 | SCP officials | DRAFT | Doc 230 based on SCP(19)000166r1 |
| 2.1 | 2019-11-13 | AB | DRAFT | Part III added  |
| 2.2 | 2019-11-18 | AB | DRAFT | Incorporated comments after synchronisation Meeting with ETSI (U. Mulligan, K. Vedder) |
| 2.3 | 2019-12-03 | AB | DRAFT | After discussion during TC SCP WG TEST meeting #62 |
| 2.4 | 2020-01-06 | UJM | DRAFT | Updated milestones to create contractual milestones. |
| 2.5 | 2020-04-16 | MLL | DRAFT | Updated following the Preparatory Meeting |