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|  |
| **Title\*:** | **Meeting report for MTS#52** |
|  |  |
| from **Source**\*: | ETSI Secretariat ; Chairman |
| Contact: | Laurent Vreck  |
|  |  |
| input for **Committee**\***:** | MTS |
|  |  |
| Contribution **For\*:** | Decision |  |  |
|  | Discussion |  |  |
|  | Information | **X** |  |
|  |  |
| Submission date**\***: | 2010-12-16 |
|  |  |
| Meeting & Allocation: | **MTS#52** -  |
| Relevant WI(s), or deliverable(s): |  |
|  |

**ABSTRACT:** *This revised version includes the feedback received from MTS members.*

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# Session 1: Opening Formalities

## 1.1 Introduction & welcome, Local arrangements, IPR call

## 1.2 Approval of the previous meeting minutes, agenda, allocation of contributions

The agenda was approved, all contributions were allocated to agenda items.

The minutes from MTS#51 were reviewed and approved.

## 1.3 Review of open action items from previous meetings

**MTS#51 Action Items**

|  |  |
| --- | --- |
| **MTS#51-AI1 Laurent Velez: Upload** first drafts of TTCN-3 code for the "ePassport Prototype Test Platform" in Sept | **CLOSED** |
| **MTS#51-AI2 Laurent Velez: Start** to inform STF SG regularly per email on STF progress | **CLOSED** |
| **MTS#51-AI3 Stephan Schulz**: A work item has to be created to update text incl title from model-driven to model-based testing of TR 102840 | **CLOSED** |
| **MTS#51-AI4 Michael MILD: organize** and announce call to discuss with key stakeholders and advance on WI DTR/MTS-00120 "Performance Testing of Distributed Systems" | **CLOSED** |
| **MTS#51-AI5 Gyorgy RETHY**: Set up meeting with stakeholders to discuss new extensions for 2011 in September | **CLOSED** |
| **MTS#51-AI6 Sebastian:** Provide paragraph on ITS and ERM use of TTCN-3 | **CLOSED** |
| **MTS#51-AI7 Gyorgy RETHY**: Submit revised STF ToR by October with relevant WIs for ABC approval | **CLOSED** |
| **MTS#51-AI8 Milan &** Steve: Provide and submit updated ToR and new WI for ABC approval by October | **CLOSED** |
| **MTS#51-AI9 Stephan Schulz**: Contact other WG chairmen (e.g. Maritime, UWB, LI, ITS, INT, Tetra) about MBS and validation in order to find support for updating the MBS pages, in particular the section on validation. | **CLOSED** |
| **MTS#51-AI10 Laurent VRECK**: to investigate statics on the MBS website. | **CLOSED** |
| **MTS#51-AI11 Dieter Hogrefe**: Clarify implications of trade marking TTCN-3 logo & not name.*The issue with trade-marking is that is has to be applied and maintained in every country, hence is an expensive process... It was decided to protect the TTCN-3 logo by defining a graphic charter in the same way as already done for the ETSI logo.* | **CLOSED** |

|  |
| --- |
| **MTS#52-AI Dieter Hogrefe:** Request the TTCN-3 Logo graphic Charter from the ETSI Secretariat. (follow-up of **MTS#51-AI11**). |

## 1.4 Update on open work items, changes since last meeting (publication, AbC…)

17 NEW WIs were proposed and Approved by Correspondence on the [MTS-GEN](http://list.etsi.org/mts-gen.html) mailing list:

**TTCN-3 Edition 4.4.1 (8 parts):**

* (201 873-1) **R**ES/MTS-**00136-1** T3 ed441 core “TTCN-3 Edition 4.3.1: Core Language”
* (201 873-4) **R**ES/MTS-**00136-4** T3 ed441 OS “TTCN-3 Edition 4.4.1: OS “
* (201 873-5) **R**ES/MTS**-00136-5** T3 ed441 TRI “TTCN-3 Edition 4.4.1: TRI“
* (201 873-6) **R**ES/MTS-**00136-6** T3 ed441 TCI “TTCN-3 Edition 4.4.1: TCI“
* (201 873-7) **R**ES/MTS-**00136-7** T3 ed441 asn1 “TTCN-3 Edition 4.4.1: the use of ASN.1“
* (201 873-8) **R**ES/MTS-**00136-8** T3 ed441 IDL “TTCN-3 Edition 4.4.1: IDL”
* (201 873-9) **R**ES/MTS**-00136-9** T3 ed441 XML “TTCN-3 Edition 4.4.1: the Use of XML“
* (201 873-10) **R**ES/MTS-00136-**10** T3 ed441 DOC “TTCN-3 Edition 4.4.1: T3Doc“

**TTCN-3 extensions (4+2):**

**4** revisions of TTCN-3 extensions:

* (202 781) **R**ES/MTS-00112ed131 T3Ext\_Conf “TTCN-3 extension: Configuration & Deployment support”
* (202 782) **R**ES/MTS-00113ed131 T3Ext\_PrfRT “TTCN-3 extension: Performance and Real Time Testing”
* (202 784) **R**ES/MTS-00123ed131 T3Ext\_AdvP “TTCN-3 extension: Advanced Parameterization”
* (202 785) **R**ES/MTS-00124ed131 T3Ext\_Behav “TTCN-3 extension: Behaviour Types”

**2** new TTCN-3 extensions:

* **D**ES/MTS-00137 T3Ext\_ContSig “TTCN-3 extension: Continuous Signal support “
* **D**ES/MTS-00138 T3Ext\_AltSW “TTCN-3 extension: Alt. SW testing support“

**3 other deliverables:**

* **R**TS/MTS-00115ed131 FwkT3confTS “Fwk for TTCN-3 conformance test suite“
* (102 840) RTR/MTS-00106ed121 “Model-based Testing in standardisation”
* MI/MTS-00077[3]-MBS “Extension of Making Better Standards to include practical validation methods”

1 final draft was approved by correspondence and published:

* (102 995) DTS/MTS-00115ed111 “proforma for TTCN-3 ref test suite”
AbC ended 30/10, publication 05/11/2010

3 WIs were stopped:

* DEG/MTS-00129 “Framework for physical layer conformance measurement”
* DEG/MTS-00121 “Standards engineering process; A staged approach to standards development”
* DTR/MTS-00103 “Requirements for High Level Test Descriptions”

## 1.5 Reports from GA, Board, & OCG Meetings

2 STF proposals were presented to [*OCG#42*](http://webapp.etsi.org/MeetingCalendar/MeetingDetails.asp?mid=27956)in November and got funded for next year:

* STF VO [TTCN3 2011 Maintenance + new features](http://portal.etsi.org/Portal_STF/Detail.asp?FullSearch=Yes&PTCODE=VO&PTTYPE=&TbId=97&TabId=&SubTB=0&Param=uGtsktQbj0FJKGWWrW&Alone=1&CurrentWindowsHeight=340px&CurrentWindowsWidth=650px&SelectSTF=&SelectTB=97&SelectTBName=MTS&SelectStatusSTF=)
current status=Call For Expert ongoing
78 Days to produce 15 WIs (13 Revisions + 2 new TTCN-3 extensions)
* STF VP Standards [Validation methods](http://portal.etsi.org/Portal_STF/Detail.asp?FullSearch=Yes&PTCODE=VP&PTTYPE=&TbId=97&TabId=&SubTB=0&Param=uGtsktQbj0FJKGWWrW&Alone=1&CurrentWindowsHeight=340px&CurrentWindowsWidth=650px&SelectSTF=&SelectTB=97&SelectTBName=MTS&SelectStatusSTF=)
current status= Call For Expert ongoing
Original req. = 70d, brought down to 60 days. 1 WI (see clause 6.1 below)

# Session 2: TTCN-3

## 2.1 TTCN-3 base standards & extensions (STF 393 & TTCN STF 2011)

Topics: STF report & deliverables review

|  |  |  |
| --- | --- | --- |
| **MTS(10)0091** | STF 393 status report | Telefon AB LM Ericsson |

Gyorgy Rethy presented MTS(10)0091 the report of STF393 status report.

**RTS/MTS-00115ed121 T3refATS** *“Fwk for TTCN-3 Ref test suite”*
No new draft produced by STF393 for this WI: the previous edition (v1.1.1) was late and got approved in November 2010, no Change was requested since, no need to re-publish the same version…

🡺 Stop WIs RTS/MTS-00115ed131 T3refATS “Fwk for TTCN-3 conf test suite”???

|  |
| --- |
| **MTS#52-AI Stephan Schulz:** Check with Alberto how to change a WI reference in STF ToR (when no CRs received, no need to re-publish the same document) |

All final drafts from STF393 are expected by week 51 (13 Drafts); approval will take place on MTS-GEN mailing list in January.

## 2.2 TTCN-3 Skill Levels

Topics: New Work Item proposal

|  |  |  |
| --- | --- | --- |
| [MTS(10)0093](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290093_TTCN-3_Skill_Levels.pptx) | TTCN-3 Skill Levels (presentation) | Wipro Technologies (Guest) |

[MTS(10)0093](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290093_TTCN-3_Skill_Levels.pptx) ”TTCN-3 Skill Levels” was presented by Jaya Kishor (Wipro, India, non ETSI member).

This presentation comes together with a New Work Item proposal:

|  |  |  |
| --- | --- | --- |
| [MTS(10)0074](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290074_NWI_TTCN-3_Skill_Levels.zip) | TTCN-3 Skill Levels (new WI proposal) | Conformiq Software Ltd. |

Scope of the New WI: *This document identifies different engineering skill levels and provides a basis for assessing, grading, and assigning roles to TTCN-3 test engineers for the development of industrial test suites. For each level, the required TTCN expertise and experience is specified.*

Some strong support as well as concerns was raised during the discussion regarding the implementation of certification against different skill levels as well. A clear placement and coordination with the activities in the German Testing Board, i.e., TTCN-3 certificate, were requested. It was pointed out that this standard may have a special significance for the Indian market.

The WI proposal was updated during the meeting and made available on the server as [MTS(10)0074](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290074_NWI_TTCN-3_Skill_Levels.zip), to be re-discussed and approved during Session 7

## 2.3 TTCN-3 Tool Conformance (STF 409)

Topic: STF report & deliverables review

Related Contributions & Work Items:

|  |  |  |
| --- | --- | --- |
| [MTS(10)0083r2](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290083r2_STF_409_Status_Report_Presentation.ppt) | STF 409 Status Report Presentation | Institut für Informatik |
| [MTS(10)0082](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290082_TTCN-3_Conformance_Test_Suite_Draft.zip) | TTCN-3 Conformance Test Suite Draft | Institut für Informatik |

The STF409 report was presented by Benjamin Zeiss

This STF is working on the following 3 deliverables:

* DTS/MTS-00132-1-T3Conf\_ICS ”TTCN-3 tool conformance ICS”
* DTS/MTS-00132-2-T3Conf\_TPs ”TTCN-3 tool conformance TPs”
* DTS/MTS-00132-3-T3Conf\_ATS ”TTCN-3 tool conformance ATS”

All final drafts from STF409 are expected by week 51; approval will take place on MTS-GEN mailing list in January.

[MTS(10)0082](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290082_TTCN-3_Conformance_Test_Suite_Draft.zip) contains a non-final version of the ”TTCN-3 Conformance Test Suite Draft”

The meeting was very happy about the quality and the amount of work produced by the STF. 9 issues have been submitted to the maintenance team(STF393). The point was raised that MTS should think about putting together a ToR to follow-up on this work next year still based on assessing the core language.
Since the second ETSI STF budget allocation will take place in June 2011, ToRs should be prepared (together with attached NWI proposals) and ready by end of May, i.e., by MTS#53 meeting.

## 2.4 TTCN-3 User Conference 2011

Topics: Call for posters, keynotes, organizational status, TTCN-3 anniversary.

|  |  |  |
| --- | --- | --- |
| [MTS(10)0084](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290084_TTCN-3_User_Conference_2011.ppt) | TTCN-3 User Conference 2011 | ETSI |

Presented by Anthony Wiles

It was suggested to emphasize “security”

## 2.5 Miscellaneous TTCN-3

Topics: TTCN-3 compliance of ETSI TC INT and MTS test suites, TTCN-3 brand

Related Contributions & Work Items:

|  |  |  |
| --- | --- | --- |
| [MTS(10)0089](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290089_ETSI_TTCN-3_Test_Suites_Quality_Improvement.ppt) | ETSI TTCN-3 Test Suites Quality Improvement | ETSI |

[MTS(10)0089](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290089_ETSI_TTCN-3_Test_Suites_Quality_Improvement.ppt) was presented by Anthony Wiles. It raises the issue of the quality of the TTCN-3 test suites produced by ETSI STFs, and some actions that the secretariat proposes to take to validate them (3 proposed levels of validation).

Proposal was positively received by the meeting.

Discussion should be widened in the future: probably a topic to be brought by MTS to the [OCG](http://portal.etsi.org/ocg) (Operational Co-ordination Group) in ETSI.

|  |
| --- |
| **MTS#52-AI Anthony Wiles:** provide a first draft proposal for a check-list and validation report to be run on TTCN-3test . (at MTS#53 meeting). |

# Session 3: Model-Based Testing

## 3.1 MBT Modeling Concepts

It was pointed out that [MTS(10)0086](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290086_Report_Dec_MBT_ES_Rapporteur_Meeting_Report.docx)contains the minutes of the latest Model Based Testing virtual meeting that took place on the 7th of December.

**DES/MTS-00128 “MBT Modeling Concepts”**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [MTS(10)0073](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290073_Draft_MBT_Modelling_Concepts_4.1.zip) | New Draft | Discussion | MBT Modelling Concepts 4.1 | Conformiq Software Ltd. |

There was a discussion on changing the title of this deliverable to expose more the fact that it specifies requirements. Concepts can be misunderstood.. Current Title & Scope are:

**Title** Methods for Testing and Specification (MTS); Model-Based Testing (MBT); Concepts for Model Specification
**Scope and Field of Application** This document shall identify and collect all relevant concepts that model specifications developed primarily for testing should include. Its intent is to enable MBT tools to automatically generate test specifications suitable for standardization from such models, i.e., test specifications in a format similar to the one written by hand today. Concepts are to be specified independent of a specific modelling language. Mappings of concepts to concrete modelling languages may be provided in future versions in the Annex of the document.

The work has well progressed, however there are still some changes to be implemented based on the feedback of the last meeting.

|  |
| --- |
| **MTS#52-AI Stephan Schulz:** Provide a final draft 0.5.1 for the “MBT Modeling Concepts” WI (DES/MTS-00128 MBTmodConc ) by end of week 51. |

There will be a virtual rapporteur’s meeting on the 18th of January at 3-5pm CET. This meeting will aim at discussing the final potential comments received on the draft and implement them (if required) in a new draft prior to launch the Approval by Correspondence.

## 3.2 Alignment of existing standards [Stephan Schulz]

Topics: MBT case study, MBT in standardization

**RTR/MTS-00106ed121-ModDrivTe**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [MTS(10)0080](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290080_Draft_Model_based_testing_in_standardisation.zip) | New Draft | Discussion | Model based testing in standardisation | Conformiq Software Ltd. |

This is the final version of the draft, AbC will be launched right after the MTS#52.

|  |
| --- |
| **MTS#52-AI5 Laurent Vreck:** Launch AbC on RTR/MTS-00106ed121-ModDrivTesting and correct WI identifier and new title in WPM |

**DTR/MTS-00125 MBT “Model-Based Testing in Telecom”**

Contribution [MTS(10)0051](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290051_Draft_MBT_case_study_TR.zip) was briefly discussed during the meeting. That document has already been presented at the MTS#51 meeting and was not approved then to ensure that the writing is aligned with latest MBT work (see [MTS(10)0066r2](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290066r2_Report_MTS#51_Meeting_Report.doc)). After review the document was found on the MTS-GEN mailing list to be in line with new terminology and therefore no change is needed and the draft can be considered as final.

|  |
| --- |
| **MTS#52-AI Laurent Vreck:** Launch AbC on DTR/MTS-00125 MBT “Model-Based Testing in Telecom” |

# Session 4: Model-Based Testing (continued)

## 4.1 Next steps in MBT standardization

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| --- | --- | --- | --- | --- |
| [MTS(10)0077](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290077_ETSI_TC_MTS_MBT_standardization_overview.docx) | Other | Information | ETSI TC MTS MBT standardization overview | Chairman |

Topics: Exchange format vs. new language, ETSI Guide / potential ETSI case studies, test selection, promotional material

*This contribution gives an overview of the current MBT work in ETSI, it proposes ideas on the way forward as well and suggests some promotional activities aiming at advertising the ETSI work in MBT. The question was raised if it should be submitted as a poster to ICST 2010. MS, Telecom Italia indicated support. Elvior is checking for support by Andres. Prior to submission the document should be updated in time lines*

## 4.2 Potential MBT User Conference in 2011

Topics: First discussion & brainstorming (relevance, format, place, promotion, etc)

Related Contributions & Work Items:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [MTS(10)0076](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290076_Summary_of_MBT_event_discussion.docx) | Other | Discussion | Summary of MBT event discussion | Chairman |

*The idea was formally presented to have a user conference similar to the one managed by TC MTS on TTCN-3 but on MBT. Timeframe is mid October (18-20) 2011. The proposal was accepted by MTS.*

*Sepp.Med (Guest) were also considering to organize a similar conference on MBT next year 🡪 it would be worth to consider a potential collaboration.*

*Name of the event: “****MBT User Conference****” was approved…*

*Next step: ETSI/CTI will organize a conference-call on Thursday 16th Dec am in order to explore further proposals for hosts of this conference.*

# Session 5: Security & Performance

## 5.1 ePassport (STF 400)

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| --- | --- | --- | --- | --- |
| [MTS(10)0085](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290085_STF400_Progress_report_presentation.zip) | Other | Information | STF400 Progress report presentation | ETSI |

Was presented by Laurent Velez (ETSI/CTI), leader of SFT400.

Deliverables produced by STF400 are available in the following contributions:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [MTS(10)0088](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290088_Current_source_code_for_ePassport_reader_test_system_%28from_STF400%29.zip) | Other | Information | Current source code for ePassport reader test system | STF400 leader |
| [MTS(10)0090](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290090_Draft_Current_draft_for_ePassport_reader_%28from_STF400%29.zip) | New Draft | Information | Current draft for ePassport reader (from STF400) | STF400 leader |

Note that [MTS(10)0087](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290087_Draft_Current_draft_for_ePassport_reader_%28from_STF400%29.zip) also contains a draft version of the same deliverable, this is just an older version that was not considered during the meeting.

**MTS members will have to provide some effort to review the test suite in order to ensure the best possible quality.**

## 5.2 Performance terminology

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| MTS(10)0094 | New Draft | Discussion | **Available** | Performance terminology | Chairman |

**DTR/MTS-00120 “Performance Testing of Distributed Systems”**

MTS(10)0094 contains the latest draft for DTR/MTS-00120 “Performance Testing of Distributed Systems”

This draft was presented by Michael Mild, is still to be considered as “first draft”, although there has been a lot of progress, it has been re-structured and is in a much better shape than at the MTS#51 meeting in September. Draft has so far been only reviewed by Telecom Austria.

***Title, scope, and schedule werechanged:***

*Title was:* Methods for Testing and Specifications (MTS);

Performance Testing of Distributed Systems

Terminology, Concepts, and Methods

*Title now: Methods for Testing and Specifications (MTS);*

*Performance Testing of Distributed Systems*

*Concepts and Terminology*

*Scope was:* This document describes methods, a common terminology, and concepts for the performance testing of distributed systems

*Scope now:* *This document describes a common terminology and concepts for the performance testing of distributed systems*

*New Schedule:*

*The intention is to get: - stable draft before the MTS#53 meeting, then review the draft during MTS#53 aiming at a
- “Final Draft” status right during/after MTS#53 and
- AbC (Approval by Correspondence) soon after MTS#53.*

|  |  |  |
| --- | --- | --- |
| **Status** | **Milestone** | **Target Date** |
| 2 | Early Draft | **15/12/2010** |
| 4 | Stable Draft | 12/04/2011 |
| 6 | Final Draft ready for approval | 15/04/2011 |
| 8 | **TB approval** | **15/05/2011** |

**Way forward:** This document was planned for approval at MTS#52, it is not yet ready for approval. Michael Mild will send out the current draft to the MTS interest group, continue update of the current draft and organize a virtual rapporteur’s meeting by the end of January with the interest group. In addition, a special f2f rapporteur meeting the day before MTS#53 was discussed as a potential way to finalize the document.

|  |
| --- |
| **MTS#52-AI Michael Mild**: Send out draft in week 51 to interest group and organize a conference-call by the end of January to progress DTR/MTS-00120 “Performance Testing of Distributed Systems” |

## 5.3 Presentation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [MTS(10)0079](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290079_Certification_and_Evaluation_of_Security-critical_Systems_by_unified.pdf) | Other | Discussion | Certification and Evaluation of Security-critical Systems by unified means of ISO/IEC CC/FIPS and ETSI TVRA methods | Smartspacelab.eu GmbH |

*This presentation was presented by Jan de Meer.* Use if ETSI TVRA methodology was shown in context of ARTEM project. Jan pointed out that TTCN-3 has some room for improvement in area of security testing, in particular in area of ensuring correctness and sufficiency. A stalled try to found an ISG in ETSI was discussed and help requested to get it further. In terms of short term cooperation Jan was willing to provide comments on the performance terminology from a perspective of common criteria. MTS encouraged Jan to make more concrete proposals for how TTCN-3 could be improved. Jan promised to contribute to TTCN-3.

# Session 6: Upcoming STFs

## 6.1 Validation STF

STF VP Standards [Validation methods](http://portal.etsi.org/Portal_STF/Detail.asp?FullSearch=Yes&PTCODE=VP&PTTYPE=&TbId=97&TabId=&SubTB=0&Param=uGtsktQbj0FJKGWWrW&Alone=1&CurrentWindowsHeight=340px&CurrentWindowsWidth=650px&SelectSTF=&SelectTB=97&SelectTBName=MTS&SelectStatusSTF=) current status= Call For Expert ongoing
Original req. = 70d, brought down to 60 days: MBS update supressed by OCG.

OCG has cut down 10 days (out of the original request of 70 days) of the STF proposal prior to accept it, these 10 days were aimed at “Development of revised MBS pages” and related to the production of a WI which was as a consequence removed from the final proposal (see **MI/MTS-00077[3]-MBS below**). It was discussed that OCG may have misinterpreted the meaning of “development” which was not referring to HTML work but to creation of content. It was pointed out that ETSI CCM is keen to use MBS material as marketing material for ETSI.

One WI is attached to these ToRs:

**REG/MTS-00122 ValidHandB** “**Handbook of validation methods for standards writers**”
Scope: This ETSI Guide will provide an overview of a wide range of validation methods available to communications standards writers and give guidance on whow each of these methods can be used within ETSI's standards engineering process.

The WI schedule was updated as described hereafter:

|  |  |  |
| --- | --- | --- |
| **Status** | **Milestone** | **Target Date** |
| 1 | Start of work | 25/01/2011 |
| 6 | Final Draft | 22/08/2011 |
| 7 | Start of TB approval process | 30/08/2011 |
| 7 | End of TB approval process | 27/09/2011 |
| 8 | **TB approval** | **04/10/2011** |

**MI/MTS-00077[3]-MBS “MBS Extension: Validation”**

This work item was originally attached to the first version of the “Validation STF” proposal that was presented to the OCG. When OCG decided not to fund all of the proposed work, this WI was detached from the STF proposal, and an updated version without this WI was then endorsed by the OCG.

It was suggested by the meeting that candidate STF members should be asked to create an “intermediate” document proposing changes to the MBS web site as extra voluntary contribution to the STF since information content needed to update MBS is very similar to the one updating the guide. It was decided to keep the work item open. If this cannot be done then the situation has to be reassessed in MTS#53.

**MI/MTS-00077[3]-MBS “MBS Extension: Validation”**

Scope: The purpose of this extension to the Making Better Standards web site is to include descriptions of a range of low-cost and practical methods of validating ETSI standards of all types. These methods include the use of ETSI Plugtests events, peer reviews within TBs and WGs and the benefits of both the compilation of requirements catalogues and the specification of test suites as coincidental, but effective, validation methods.

## 6.2 ERM Measurement Framework

ERM have decided to withdraw the joint MTS/ERM STF proposal after it had been accepted by the OCG.

## 6.3 EC ICT STFs

These STFs have been proposed to the European Commission for funding. At this stage, they are still pending and waiting for decision (or waiting for a capable reviewer) from the EC…

# Session 7: Liaisons & Approvals

## 7.1 Cooperation & Liaisons

|  |  |  |  |
| --- | --- | --- | --- |
| [MTS(10)0075](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290075_LSout_Liaison_on_endorsement_of_TTCN-3_by_ITU-T_SG_17.doc) | Liaison OUT | Liaison on endorsement of TTCN-3 by ITU-T SG 17 | Vice Chairman |

1 outgoing liaison was approved on MTS-GEN mailing list earlier this month; this liaison was then sent to ITU-T SG7.

## 7.2 Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| [MTS(10)0074r1](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290074r1_NWI_TTCN-3_Skill_Levels.zip) | New WI Prop | TTCN-3 Skill Levels | Conformiq Software Ltd. |

1 new WI in [MTS(10)0074r1](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290074r1_NWI_TTCN-3_Skill_Levels.zip) was approved as [DTR/MTS-00139 TTCN3-Skills](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=35276)

**DTR/MTS-00139 TTCN3-Skills:**

Title: Methods for Testing and Specification (MTS);
The Testing and Test Control Notation version 3;
Skill Levels

Scope: This document identifies different engineering skill levels and provides a basis for assessing, grading, and assigning roles to TTCN-3 test engineers for the development of industrial test suites. For each level, the required TTCN expertise and experience is specified.

**Other Approvals by Correspondence** are planned to take place soon on the MTS-GEN mailing list:

**Immediately after MTS#52:**

* + DTR/MTS-00125 MBT "Model-Based Testing in Telecom"
	+ RTR/MTS-00106ed121 "Model based Testing in standardisation"

**In January 2011:**

* AbC of [all13 final drafts from STF393](http://webapp.etsi.org/WorkProgram/Frame_WorkItemList.asp?SearchPage=TRUE&butExpertSearch=++Search++&qETSI_STANDARD_TYPE=&qETSI_NUMBER=&qTB_ID=&qINCLUDE_SUB_TB=True&includeNonActiveTB=FALSE&qWKI_REFERENCE=&qTITLE=&qSCOPE=&qCURRENT_STATE_CODE=&qSTOP_FLG=N&qSTART_CURRENT_STATUS_CODE=&qEND_CURRENT_STATUS_CODE=&qFROM_MIL_DAY=&qFROM_MIL_MONTH=&qFROM_MIL_YEAR=&qTO_MIL_DAY=&qTO_MIL_MONTH=&qTO_MIL_YEAR=&qOPERATOR_TS=&qRAPTR_NAME=&qRAPTR_ORGANISATION=&qKEYWORD_BOOLEAN=OR&qKEYWORD=&qPROJECT_BOOLEAN=OR&qPROJECT_CODE=&includeSubProjectCode=FALSE&qSTF_List=%27393%27&qDIRECTIVE=&qMandate_List=&qSORT=HIGHVERSION&qREPORT_TYPE=SUMMARY&optDisplay=10&titleType=all)”TTCN-3 Maintenance”
* AbC of [all 3 final drafts from STF409](http://webapp.etsi.org/WorkProgram/Frame_WorkItemList.asp?SearchPage=TRUE&butExpertSearch=++Search++&qETSI_STANDARD_TYPE=&qETSI_NUMBER=&qTB_ID=&qINCLUDE_SUB_TB=True&includeNonActiveTB=FALSE&qWKI_REFERENCE=&qTITLE=&qSCOPE=&qCURRENT_STATE_CODE=&qSTOP_FLG=N&qSTART_CURRENT_STATUS_CODE=&qEND_CURRENT_STATUS_CODE=&qFROM_MIL_DAY=&qFROM_MIL_MONTH=&qFROM_MIL_YEAR=&qTO_MIL_DAY=&qTO_MIL_MONTH=&qTO_MIL_YEAR=&qOPERATOR_TS=&qRAPTR_NAME=&qRAPTR_ORGANISATION=&qKEYWORD_BOOLEAN=OR&qKEYWORD=&qPROJECT_BOOLEAN=OR&qPROJECT_CODE=&includeSubProjectCode=FALSE&qSTF_List=%27409%27&qDIRECTIVE=&qMandate_List=&qSORT=HIGHVERSION&qREPORT_TYPE=SUMMARY&optDisplay=10&titleType=all) “TTCN-3 Tool Conformance”:
	+ DTS/MTS-00132-1-T3Conf\_ICS ”TTCN-3 tool conformance ICS”
	+ DTS/MTS-00132-2-T3Conf\_TPs ”TTCN-3 tool conformance TPs”
	+ DTS/MTS-00132-3-T3Conf\_ATS ”TTCN-3 tool conformance ATS”

# Session 8: AOB & Closure

## 8.1 AOB

Design for testability, showstoppers for automation of testing, Open Mobile Terminal Platform (OMTP) were discussed as an output of TC INT IMS workshop.

|  |
| --- |
| **MTS#52-AI8 Theofanis Vassiliou-Gioles:** Prepare input document on potential subject to standardize in MTS. |

8.2 Meeting Closure

Future meetings:

* [MTS#53](http://webapp.etsi.org/MeetingCalendar/MeetingDetails.asp?mid=12916) – 12-13 April 2011 – Sophia Antipolis

|  |
| --- |
| **MTS#52-AI Laurent Vreck:** figure out (ASAP) if MTS#53 meeting can be held in ETSI premisesConfirmed: MTS#53 can be held in ETSI premises (Einstein/Vivaldi room)s |

* [MTS#54](http://webapp.etsi.org/MeetingCalendar/MeetingDetails.asp?mid=13058) – 4-5th October 2011 – Host TBC (Elvior?)
* [MTS#55](http://webapp.etsi.org/MeetingCalendar/MeetingDetails.asp?mid=13059) – 27-28th January 2012 (date & venue TBC)

# Annex 1: Decision and Action Items

|  |  |
| --- | --- |
| **MTS#52-AI1 Dieter Hogrefe:** Requestthe TTCN-3 Logo graphic Charter from the ETSI Secretariat. (follow-up of MTS#51-AI11). | **NEEDS-ACTION** |
| **MTS#52-AI2 Stephan Schulz:** Checkwith Alberto how to change a WI reference in STF ToR (when no CRs received, no need to re-publish the same document) | **NEEDS-ACTION** |
| **MTS#52-AI3 Anthony Wiles:** provide a first draft proposal for a check-list and validation report to be run on TTCN-3test . (at MTS#53 meeting). | **NEEDS-ACTION** |
| **MTS#52-AI4 Stephan Schulz:** Provide a final draft 0.5.1 for the “MBT Modeling Concepts” WI (DES/MTS-00128 MBTmodConc ) by end of week 51. | **NEEDS-ACTION** |
| **MTS#52-AI5 Laurent Vreck:** Launch AbC on RTR/MTS-00106ed121-ModDrivTesting and correct WI identifier and new title in WPMAbC launched on MTS-GEN (start 20101217 - end 20110115). | **CLOSED** |
| **MTS#52-AI6 Laurent Vreck:** Launch AbC on DTR/MTS-00125 MBT “Model-Based Testing in Telecom”AbC launched on MTS-GEN (start 20101217 - end 20110115). | **CLOSED** |
| **MTS#52-AI7 Michael Mild**: Send out draft in week 51 to interest group and organize a conference-call by the end of January to progress DTR/MTS-00120 “Performance Testing of Distributed Systems” | **CLOSED** |
| **MTS#52-AI8 Theofanis Vassiliou-Gioles**: Prepare input document on potential subject to standardize in MTS. | **NEEDS-ACTION** |
| **MTS#52-AI9 Laurent Vreck:** figure out (ASAP) if MTS#53 meeting can be held in ETSI premisesConfirmed: MTS#53 can be held in ETSI premises (Einstein/Vivaldi room)s | **CLOSED** |

# Annex 2: List of participants

|  |  |  |  |
| --- | --- | --- | --- |
| **FirstName** | **Lastname** | **Company** | **Participation** |
| Remote | In BERLIN (f2f) |
| Martin | **Beisser** | Sepp.Med gmbh |  | **X** |
| Emmanuelle | **Chaulot-Talmon** | ETSI | **X** |  |
| Jan | **de Meer** | Smartspacelab.eu GmbH |  | **X** |
| David | **DIAZ RODRIGUEZ** | Metodos y Tecnologia | **X** |  |
| Jens | **Grabowski** | Universität Göttingen | **X** |  |
| Wolfgang | **Grieskamp** | MICROSOFT EUROPE SARL | **X** |  |
| Dieter | **Hogrefe** | Institut für Informatik |  | **X** |
| Andras | **Kovacs** | BroadBit Slovakia | **X** |  |
| ~~Roman~~ | ~~Kuznar~~ | ~~Sintesio, Foundation~~ | - | - |
| Andrus | **Lehtmets** | OU Elvior |  | **X** |
| Michael | **Mild** | SoftWell Performance AB | **X** |  |
| Stephan | **Pietch** | Testing Technologies |  | **X** |
| Gyorgy | **Rethy** | Telefon AB LM Ericsson | **X** |  |
| Stephan | **Schulz** | Conformiq Software Ltd. | **X** |  |
| Luca | **Serazio** | TELECOM ITALIA S.p.A. |  | **X** |
| Risto | **Teittinen** | Nokia Siemens Networks Oy | **X** |  |
| Andreas | **Ulrich** | Siemens AG | **X** |  |
| Theofanis | **Vassiliou-Gioles** | Testing Technologies |  | **X** |
| Cesar | **Viho** | INRIA | **X** |  |
| Laurent | **Vreck** | ETSI |  | **X** |
| Laurent | **Velez** | ETSI | **X** |  |
| Anthony | **Wiles** | ETSI |  | **X** |
| Jai | **Wu** | Beihang University | **X** |  |
| Benjamin | **Zeiss** | Institut für Informatik |  | **X** |

# Annex 2: List of Contribution assigned to MTS#52

|  |  |  |
| --- | --- | --- |
| **Hyperlink** | **Title** | **Source** |
| **MTS(10)0094** | Performance terminology | Chairman |
| [**MTS(10)0093**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290093_TTCN-3_Skill_Levels.pptx) | TTCN-3 Skill Levels | Wipro (Guest) |
| [**MTS(10)0092**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290092_MTSINT_pres_on_STF_priority_handling_to_OCG.ppt) | MTS/INT pres on STF priority handling to OCG | Chairman |
| [**MTS(10)0091**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290091_STF_393_status_report.ppt) | STF 393 status report | Telefon AB LM Ericsson |
| [**MTS(10)0090**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290090_Draft_Current_draft_for_ePassport_reader_%28from_STF400%29.zip) | Current draft for ePassport reader (from STF400) | STF400 leader |
| [**MTS(10)0089**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290089_ETSI_TTCN-3_Test_Suites_Quality_Improvement.ppt) | ETSI TTCN-3 Test Suites Quality Improvement | ETSI |
| [**MTS(10)0088**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290088_Current_source_code_for_ePassport_reader_test_system_%28from_STF400%29.zip) | Current source code for ePassport reader test system (from STF400) | STF400 leader |
| [**MTS(10)0087**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290087_Draft_Current_draft_for_ePassport_reader_%28from_STF400%29.zip) | Current draft for ePassport reader (from STF400) | STF400 leader |
| [**MTS(10)0085**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290085_STF400_Progress_report_presentation.zip) | STF400 Progress report presentation | ETSI |
| [**MTS(10)0084**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290084_TTCN-3_User_Conference_2011.ppt) | TTCN-3 User Conference 2011 | ETSI |
| [**MTS(10)0083r2**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290083r2_STF_409_Status_Report_Presentation.ppt) | STF 409 Status Report Presentation | Institut für Informatik |
| [**MTS(10)0083r1**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290083r1_STF_409_Status_Report_Presentation.ppt) | STF 409 Status Report Presentation | Institut für Informatik |
| [**MTS(10)0083**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290083_STF_409_Status_Report_Presentation.ppt) | STF 409 Status Report Presentation | Institut für Informatik |
| [**MTS(10)0082**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290082_TTCN-3_Conformance_Test_Suite_Draft.zip) | TTCN-3 Conformance Test Suite Draft | Institut für Informatik |
| **MTS(10)0081** | TTCN-3 Conformance Test Suite Draft | Institut für Informatik |
| [**MTS(10)0080**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290080_Draft_Model_based_testing_in_standardisation.zip) | Model based testing in standardisation | Conformiq Software Ltd. |
| [**MTS(10)0079**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290079_Certification_and_Evaluation_of_Security-critical_Systems_by_unified.pdf) | Certification and Evaluation of Security-critical Systems by unified means of ISO/IEC CC/FIPS and ETSI TVRA methods | Smartspacelab.eu GmbH |
| [**MTS(10)0077**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290077_ETSI_TC_MTS_MBT_standardization_overview.docx) | ETSI TC MTS MBT standardization overview | Chairman |
| [**MTS(10)0076**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290076_Summary_of_MBT_event_discussion.docx) | Summary of MBT event discussion | Chairman |
| [**MTS(10)0075**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290075_LSout_Liaison_on_endorsement_of_TTCN-3_by_ITU-T_SG_17.doc) | Liaison on endorsement of TTCN-3 by ITU-T SG 17 | Vice Chairman |
| [**MTS(10)0074r1**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290074r1_NWI_TTCN-3_Skill_Levels.zip) | TTCN-3 Skill Levels | Conformiq Software Ltd. |
| [**MTS(10)0074**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290074_NWI_TTCN-3_Skill_Levels.zip) | TTCN-3 Skill Levels | Conformiq Software Ltd. |
| [**MTS(10)0073**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290073_Draft_MBT_Modelling_Concepts_4.1.zip) | MBT Modelling Concepts 4.1 | Conformiq Software Ltd. |
| [**MTS(10)0072r2**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290072r2_Agenda_MTS#52_Draft_AGENDA.docx) | MTS#52 Draft AGENDA | Chairman,ETSI Secretariat |
| [**MTS(10)0072r1**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290072r1_Agenda_MTS#52_Draft_AGENDA.docx) | MTS#52 Draft AGENDA | Chairman,ETSI Secretariat |
| [**MTS(10)0072**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290072_Agenda_MTS#52_Draft_AGENDA.docx) | MTS#52 Draft AGENDA | Chairman,ETSI Secretariat |
| [**MTS(10)0071**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290071_Invitation_MTS#52.zip) | Invitation MTS#52 | Testing Technologies |
| [**MTS(10)0066r2**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290066r2_Report_MTS#51_Meeting_Report.doc) | MTS#51 Meeting Report | Chairman,ETSI Secretariat |
| [**MTS(10)0066r1**](http://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2010/MTS%2810%290066r1_Report_MTS#51_Meeting_Report.doc) | MTS#51 Meeting Report | Chairman,ETSI Secretariat |