



ETSI CTI INTRODUCTION



IETF#91

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Centre for Testing and Interoperability

2014, November

- About ETSI
- Centre for Testing & Interoperability
- ETSI Plugtests
- 1st 6TiSCH ETSI Plugtests

- European standards organisation (SDO) based in France
- Sets globally-applicable standards in ICT
- Independent, not-for-profit, organisation created in 1988
- More than 700 Member organisations from 62 countries and 5 continents
 - Vendors, Operators, Users, Administrations. Regulators, Research etc.
- Founder member of  and 
A GLOBAL INITIATIVE
- Over 25,000 publications – available for free!
 - <http://www.etsi.org/WebSite/homepage.aspx>

- **Technical specifications and standards** with global application
- Support to industry and European **regulation**
- Test Specifications & testing **methodologies**
- **Interoperability** testing

Centre for Testing & Interoperability

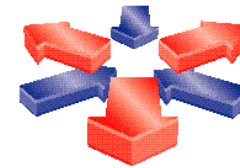
- **Support to TBs on formal techniques in standards**
- **Development of testing methodologies** in collaboration with other ETSI TCs (TC MTS)
- **Development of test specifications**
 - Conformance test specifications (used by third-party certification schemes)
 - Interop test specifications (used in Plugtests events)
- **Validation of standards**
 - E.g., testbed activities (IPv6, SIP/H.323)
- **Support to other testing activities** e.g. EC FP7 projects
- **Technical support and organization of Plugtests Interop events**



Areas of ETSI CTI Involvement



- Cellular: GSM, 3G (UMTS), LTE terminals, WiMAX, FemtoCell
- VoIP: H.323, SIP, SIGTRAN, EUROCAE
- Service Creation: OSA/Parlay (API, IDL)
- IPv6: Core, Security, Mobility, v4-v6
- Cordless phones: DECT
- Radio communications: TETRA, DMR, dPMR, RFID
- Broadband: ISDN, DSL, GPON
- Smartcards: Readers, cards, security modules
- Intelligent Transport Systems: ITS-CMS, eCall
- Applications: OMA BCAST
- Security: Electronic Signature, Lawful Interception
- Core networks: IMS
- Internet of Things: M2M, CoAP, 6LoWPAN
- Computing: GRID (Cloud)



BROADBAND RADIO
ACCESS NETWORKS
AN ETSI PROJECT



WiMAX
FORUM



SiPit
SIP interoperability test event

OpenGridForum
OPEN FORUM | OPEN STANDARDS



ETSI Plugtests

What is a ETSI Plugtests event?



- A test event organized and run by a neutral body
 - Scope, test infrastructure and test scenarios based on standard
 - Scheduling
 - Test Results and Feedback to Standards Development
- An opportunity for Standards Development
 - Gaps, ambiguities, interpretations
 - A tool to validate and enhance the quality of standards
- An opportunity for engineers
 - Evaluate the interoperability of their products
 - Validate their understanding of the base specification
 - Save time
- An opportunity for vendors
 - To demonstrate end 2 end interoperability to operators/end customers
 - Promote the technology and community

- are not commercial (free of charge)
- are part of the support to TBs offered by ETSI
- are open to members and non-members
- aim to facilitate the validation and development of interoperable standards (and their associated products).
- are covered by a Non-Disclosure-Agreement (NDA)
- strive for anonymity



Event co-ordination

- Event Promotion
- Legal Aspects
- Finance
- Logistics
- Dedicated Event Coordinator



Technical co-ordination

- Test plan
- Test Infrastructure
- Test Scheduling
- Test Session Reporting
- Final technical report

Plugtests™ can look like this...



... or this (Car2Car Interop)



... or this (remote events)

PLUGTESTS
INTEROP EVENTS

Electronic Signature Plugtests Portal

Plugtests Portal
For Electronic Signature

> Home

- Mailing List
- Registration
- ETSI Plugtests events
- Web site
- Past Events
- Plugtests Team

Login to PAdES Plugtests Area

ETSI Centre for Testing and Interoperability (CTI) is organizing a new Remote Plugtests Interop events for PAdES Signatures from **24th November to 9th December 2011**.

This **Remote** event aims at conducting interoperability test cases on PAdES signatures. This testing will provide full test coverage of the specification ETSI 102 778 including testing signatures evolution, simulating real life situations.

The test suite is defined with four different layers reflecting the multipart structure of PAdES :

- Part 2: "PAdES Basic - Profile based on ISO 32000-1" (ETSI 102 778-2 version 1.2.1)
- Part 3: "PAdES Enhanced - PAdES-BES and PAdES-EPES Profiles"; (ETSI 102 778-3 version 1.1.2)
- Part 4: "PAdES Long Term - PAdES-LTV Profile"; (ETSI 102 778-4 version 1.1.2)
- Part 5: "PAdES for XML Content - Profiles for XAdES signature (ETSI 102 778-5 version 1.1.2)

The purpose of these events is:

- To enable participants to assess the level of interoperability of PAdES.
- To identify additional issues that should be taken into account in future PAdES standardisation activities.
- To improve the quality of PAdES specifications.
- To ease the introduction of PAdES signatures, by providing the means to solve interoperability problems before widespread deployment..

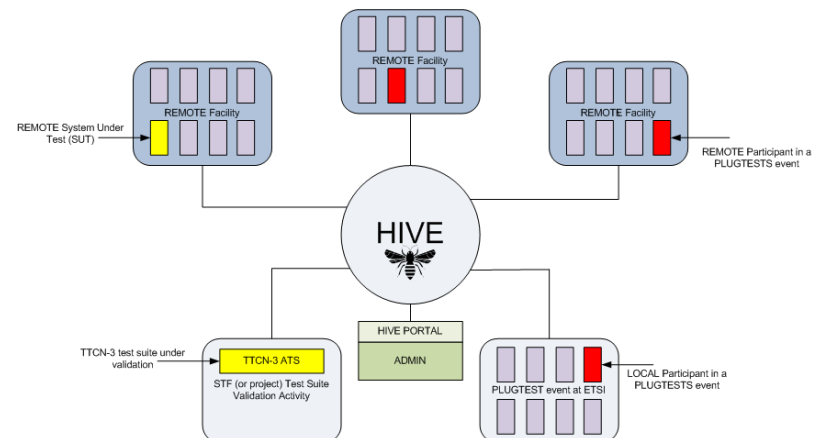
- Remote PAdES Plugtests 24 November - 9 December 2011

For registration
[Click here](#)

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VPN for remote connection to physical events or validation (remote execution) of test suites



Fully remote events for Electronic Signatures (TC ESI)

1st 6TiSCH ETSI Plugtests

- 🌐 What? – To test interoperability of 6TiSCH for basic functionality (TBD)
- 🌐 Where? – At IETF#93 (Prague)
- 🌐 When? – 17-19 July 2015 (right before IETF#93)
- 🌐 Next steps ? – 2nd 6TiSCH ETSI Plugtests at IETF#94 with extended test scope

- Group of experts will be formed (funded by ETSI Plugtests – EC) to start working on test specs from January 2015
- Objective:
 - To define the 6TiSCH test scope,
 - To describe test scenarios,
 - To develop interoperability test descriptions
- Timeline:
 - Test specs ready for review in March 2015
 - Final draft in June 2015 (before IETF#93)

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Thank you!