

ETSI Interoperability Service



**philippe.cousin
@etsi.fr**

**Interoperability
service manager**

+ 33 4 92 94 43 06

Superop Nice , July 2000

INTEROPERABILITY ! :

what all specifications are about !

But how to ensure that ?

Long, important but complex and costly approaches are already addressing the issue .

With your additional « tool » we look for an optimised way to interoperability

We organise Plugtests event for you

- **Plugtests:** interoperability tests event where engineers of competing companies get together to test a (draft) standard and their implementations
- **Plugtests event:**
 - open event, i.e. everyone implementing the standard is welcome to participate
 - closed event, i.e. no sales & marketing representatives, no customers
- **Goal: improving interoperability by enhancing the quality of the specification**
- **Open to all communication standards**



438 participants
92 companies
188 different products
tested !



The events have solid technical and quality objectives while saving time and money

- **focus on key « interoperability » features considered important in the technical area**
- **test plans defined**
- **test facilities and expertise organised**
- **technical feedback organised**
- **interaction developers/standardisers**
- **Close interaction between ETSI's conformance and plugtests service**

Pragmatic and low cost service

- **2-5 days event can be organized in 2-3 months**
- **Lean Service, not an expensive facility (e.g. <1000 € per participant)**
- **Organized in the neutral environment of ETSI (we care about your confidentiality !)**
- **Takes off load from fora/companies to organize interoperability events**
- **Supportive fund may be available (e.g. eEurope)**
- **From satisfaction survey on past events we noticed that customers are very satisfied**



ETSI Plugtests Service cont'd

- **Don'ts:**
 - **does not run a test lab**
 - **does not execute tests**
 - **does no write test specifications**
 - **does not certify**

Plugtests in 2000

- **TIPHON (Febr): VoIP Telephony**
- **IMTC Superop & TAPI Bake-off (July): VoIP telephony & Multimedia Conferencing**
 - 3000 m2; > 20 km cables; 250 participants
- **Bluetooth UPF3 (Aug)**
 - 320 participants
- **IPv6 (Oct)**
 - combination of conformance and interoperability testing
- **1st ETSI VoIP Speech Quality Test (Oct)**
 - mono-vendor testing; feedback into TIPHON and STQ

Other Plugtests in 2001

- **SyncFest (Feb) - Forum: SyncML**
- **SIP (March) - IETF Protocol (Internet Telephony)**
- **SCTP (April) - IETF Protocol (signalling of SS7 over IP)**
- **Bluetooth (Aug, 438 participants !!)**
- **IPv6 and 3G (November)**
- **Smart card (December)**
- **Multimedia (December) in Japan with TTC**
- **MEXE (4Q)**

1st ETSI IPv6 Plugtests - October 2000

- **First event attracted 23 participant from 9 companies**
- **Reference: RFC 2472, RFC 2466, RFC 2463**
- **Protocols tested:**
 - **IPv6 (base, neighbor discovery , stateless address configuration, path MTU discovery, basic transition mechanism)**
 - **Mobile IPv6**
 - **RIPng**
 - **IPsec**
 - **PPPoE**
- **Active technical support on site from IPv6 experts from ENST and INRIA**
- **Many problems detected and feedbacks reported**

1st ETSI IPv6 Plugtests - October 2000



2nd ETSI Ipv6 Plugtests – Nov. 2001

- **Topics to be addressed: IPv6, IPv4-IPv6 transition and 3G mobile**
- **Check on real cases IPv4-IPV6 transition mechanisms such as :**
 - **NAT-PT (Network Address Translator)- Protocol Translator**
 - **SIIT (Stateless Ipv4-IPv6 translator)**
 - **DSTM (Dual Stack Transition Mechanism) and the use of tunnels**
- **Active technical preparation and support of the November interoperability events from research centres (e.g. INRIA)**
- **Experts on interested topics (e.g. IPv4-IPv6) will be present on site to provide assistance to participants**
- **date: November 2001, expect active world wide participation**

IPv6 Interoperability Event

Topics: IPv4-IPv6, mobile IP, 3G, misc.

When: 19-23 November

Where: Nice – France organised by ETSI



More info :

philippe.cousin@etsi.fr

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www.etsi.org/plugtests/



Other Plugtests

- **Areas interested by interop events:**
 - **xDSL**
 - **2nd ETSI VoIP Speech Quality Test (4Q)**
 - **XML**
 - **DECT**
 - **Hiperlan**
 - **IETF WGs, MPLS , MPLS VPN, DIAMETER**
 - **Video Streaming**



**ALWAYS UPDATED INFO AT
WWW.ETSI.ORG/PLUGTESTS**