ETSI World Class Standards

## About ETSI

INT is part of *ETSI* – one of the world's leading standards development organizations for Information and Communication Technologies (ICT). Founded initially to serve European needs, *ETSI* has grown rapidly to become highly-respected as a producer of technical standards for worldwide use.

*ETSI* membership is composed of manufacturers and network operators – all the "big names" and many smaller companies too – plus national administrations, ministries, regulators, universities, research groups, consultancies and user organizations. A powerful and dynamic mix of skills, resources and ambitions, all working together to bring the very best ICT solutions to the global marketplace. Geographically, our membership of over 700 companies and organizations is drawn from more than 60 countries on 5 continents.

*ETSI* is independent of all other organizations and structures, a key feature for ensuring neutrality and trustworthiness. That brings benefits not only in the acceptance of our standards and other publications, but also in our growing range of ancillary services, such as interoperability testing. And because standardization inevitably draws upon the bright ideas of our members, we have an Intellectual Property Rights (IPR) policy in place that has become the model for many other organizations.

*ETSI*'s standardization activities are open to all interested companies and organizations. Your company can be part of this dynamic organization. For more information about how *you* can be involved, please visit

**http://www.etsi.org/membership**

For details about *ETSI*'s current INT activities, please visit

**http://portal.etsi.org/INT**

To learn more about Plugtests™, please go to

**http://www.etsi.org/plugtests**

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# IMS Network Testing

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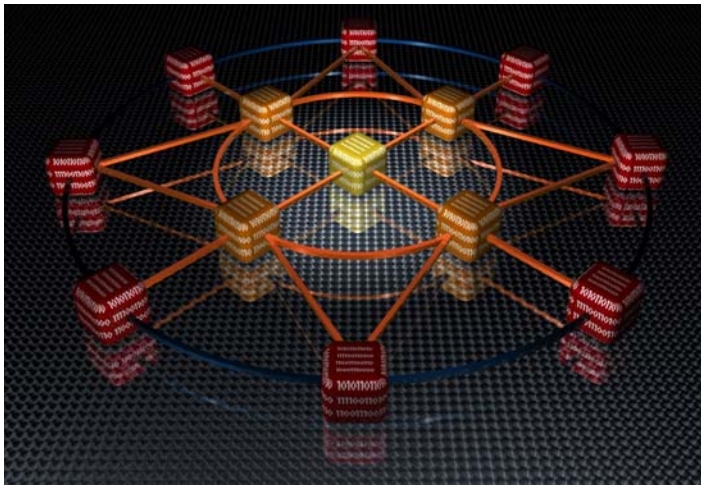
## IMS Interoperability Testing

IMS interoperability is a key issue for boosting IMS (IP Multimedia Subsystem) roll-out and more specifically network interconnection between operators. Only through thorough testing in practical scenarios can operators ensure operational excellence in a multi-vendor and multi-provider environment.

IMS comprises a set of specifications designed to enable network operators to implement IP-based networks that can carry services for both fixed and mobile customers simultaneously.

IMS was developed originally in the mobile world (specifically in the specifications created by the 3rd Generation Partnership Project, 3GPP), and was adopted for fixed networks by *ETSI*'s TISPAN Technical Committee (Telecoms & Internet Converged Services & Protocols for Advanced Networks).

However this promise of advanced communications over the next generation network will only be delivered if those same networks can interconnect.



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## *ETSI*'s Technical Committee INT: IMS Network Testing

*ETSI* is bridging the existing gap between 3GPP IMS Core Network standards and the initial industry IMS implementations through the organization of IMS interoperability events in connection with *ETSI*'s Centre for Testing & Interoperability (CTI) and Plugtests™ interoperability testing service.

**Our Technical Committee for IMS Network Testing (TC INT)** is actively establishing close contact with a number of industry fora and organizations dealing with IMS interoperability, including 3GPP, GSMA, MSF (Multi Service Forum), IMS Forum and the ITU-T. TC INT develops IMS test specification according to conformance, network integration and interoperability testing methodologies. Other ongoing work includes development of tests for Supplementary Services based on regulatory requirements and IMS tests with legacy networks (e.g. SIP-I).

*ETSI* has already held two IMS interoperability events. The first examined interconnection aspects of 3GPP IMS Release 6, including such issues as basic call on the Mw interface. The second event had a wider scope that included the testing of 3GPP IMS Release 7 interworking, roaming, border control, and integration of application servers executing selected Multimedia Telephony supplementary services.

The next *ETSI* IMS interoperability event will be held in October 2009. It is expected that the event will be further enhanced by the incorporation of commercial IMS clients including the new RCS (Rich Content Suite) clients.

Future *ETSI* activities and events will go even deeper towards bridging 3GPP IMS standards and industry implementations. These will include the organization of further IMS interoperability events designed to boost the roll-out and take-off of IMS services and operators' network interconnections.