

**3GPP1 TSG (Common meeting)
Sophia Antipolis 7-8/12/98**

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Doc For	TSG SA	TSG CN	TSG RAN	TSG T
Decision				
Discussion				
Information	X	X	X	X

Source: ETSI PEX

Subject: Support to practical use of methodology for 3GPP specifications

Agenda item:

In its aim to produce standards being available on time and resulting in high quality products ETSI is a world leader in the use of modern techniques such as:

- SDL and MSC
- ASN.1
- TTCN
- UML, etc.

The PEX Competence Centre is a group of experts permanently available at the ETSI Secretariat to provide direct support and assistance to ETSI Technical Bodies and Projects on the application of these techniques in the ETSI deliverables. The PEX have wide experience in the specification of telecoms technology and can offer assistance with:

- Specification methods and the use of good technical practices in standards
- The application of validation, analysis and simulation techniques
- Testing methodology (based on ISO/IEC 9646)
- Computer-Aided Test Case Generation techniques (CATG)
- Methodology and languages tutorials
- Instruction on use of tools at ETSI
- Review of standards containing formal methods, etc.

The PEX offer an on-demand helpdesk service to:

- Technical Committees and Working Groups
- ETSI Projects and Partnership projects
- STFs (Special Task Force)
- ETSI members, etc.

When resources allow, the PEX will also provide substantial longer-term support tailored to a TC's or a Project's specific needs, either as member of an STF or on a voluntary basis.

In order to use the standards as a fast market entry, the 3GPP project is encouraged to use the modern techniques to make better and on-time standards. In this case the PEX support and assistance can be made available.