

**To: ETSI MEMBERS, OBSERVERS AND COUNSELLORS**

**Subject: Recruitment of a Technical Expert within the ETSI Operations Division**

Dear Madam,  
Dear Sir,

The Operations Division within the ETSI Secretariat provides comprehensive support to ETSI Technical Committees, Special Committees, Projects, Partnership Projects and Industry Specification Groups.

A vacancy now exists for a Technical Expert within the Operations Division's **Centre for Testing and Interoperability** (CTI) and applications are invited. The work of CTI focuses on the development of test specifications, the organisation of interoperability events (Plugtests), hackathons, Proofs of Concept (PoC), the application of best practices in protocol specification and validation and support of Open Source projects. Candidates should have a graduate level education, appreciation of standardization processes, project management skills and will ideally have five years of direct experience in protocol and ICT testing and test development. Nevertheless, applications will be welcomed from less experienced candidates who show aptitude and enthusiasm, for whom appropriate on-the-job training will be provided.

Successful candidates will be able to organize and prioritize their work, with the objective of providing a level of service that meets the high standards expected of the ETSI Secretariat. The position will suit people capable of taking initiative and working autonomously within a team.

Applications will be particularly welcomed from candidates having experience in one or more of the following domains (list not exhaustive):

- Testing, testing frameworks, test languages such as TTCN-3
- Organization of (or participation in) Interoperability events
- Information and data modelling languages such as UML, TOSCA, YAML, YANG
- 5G, NFV (and/or Cloud), M2M, IoT, MEC, Electronic Signature, Intelligent Transport Systems
- Core network and IP networking protocols (e.g., LTE, TCP/IP, UDP, HTTP, IP4/6);
- API/SDK applications, programming knowledge (e.g., C++, .php, Python), LINUX knowledge
- Experience with Open Source projects and software development lifecycles and tools such as management & configuration (Gerrit, Jenkins, etc.)

The post will be based at the ETSI Headquarters in Sophia Antipolis, France. Moderate travel will be required.

The working language is English, and an excellent command of spoken and written English is essential.

Applications for this position should be received preferably **by 13<sup>th</sup> January 2017**, and should include a Curriculum Vitae of the candidate, in English, together with a short description of the relevant technical qualifications held and experience gained.

You will find enclosed the task description. Applications should be submitted by E-mail to [candidatures@etsi.org](mailto:candidatures@etsi.org).

Yours faithfully,

Luis Jorge ROMERO  
Director-General

***TASK DESCRIPTION: Operations CTI Technical Expert***

<b>ORGANISATIONAL FIT</b>	
ROLE TITLE: Technical Expert	REPORTS TO: Director CTI
COMPETENCE CENTRE/UNIT: OPS/CTI	PERSONNEL/STAFF:
NAME OF PERSON: xxxx	ROLE GLOBAL GRADE: 13
<p><b>ROLE PURPOSE:</b></p> <p>To provide technical expertise and daily project management in order to deliver CTI services in the development of test specifications, protocol specification, interoperability events and other validation activities.</p>	
<b>KEY RESPONSIBILITIES AND ACTIVITIES</b>	
<b>Key Responsibilities</b>	<b>Key Activities/Decision Areas</b>
<p>1. Manage and ensure successful completion of selected technical activities (projects) for the provision of CTI services to the ETSI Technical Organisation and to external customers</p>	<ul style="list-style-type: none"> <li>• Overall daily management/leadership/ of CTI activities providing support to ETSI Technical Bodies, including Plugtests™ events and EC STFs, FP7 and other projects. Typical tasks include:                             <ul style="list-style-type: none"> <li>○ To act as STF Leader/Project Leader/ Account Manager</li> <li>○ to define testing strategies, budgetary needs and ToR (project proposals)</li> <li>○ Create and execute project work plans and revise as appropriate to meet changing needs and requirements.</li> <li>○ Identify and distribute tasks or resources needed, assign individual responsibilities of contracted experts, manage project resources and budget control</li> <li>○ responsible for deliverables and other milestones according to the project plans</li> </ul> </li> <li>• To work with the CTI Director to develop technical strategy and future direction of CTI according to the needs of the ETSI membership for methodology, testing, Plugtests etc.</li> <li>• Involvement as an expert in the work of designated ETSI STFs to contribute in the formal description of protocol standards and their validation and testing, under the technical responsibility of the relevant Technical Committees</li> <li>• Provide expertise:                             <ul style="list-style-type: none"> <li>○ on the production of test specifications (mainly conformance and interoperability)</li> <li>○ on the correct and efficient use of formal description languages, techniques, methodologies and tools for the drafting of Standards</li> <li>○ on validation (of protocol standards as well as test specifications)</li> </ul> </li> <li>• Work with the CTI Director to develop new initiatives related to Testing and TB Support</li> <li>• Interact with the customers on the service level (TBs or external clients) as defined in the relevant Terms of Reference or Contract</li> <li>• Perform presentations and provide tutorials and training sessions</li> </ul>

<p>2. Support Plugtests activities and ensure synergy with other CTI activities</p>	<ul style="list-style-type: none"> <li>• Work with the CTI Director to develop new initiatives related to Plugtests</li> <li>• Responsible for the technical organisation of selected interoperability events</li> <li>• Assist to develop methodologies for improving Plugtests activities (process and technical) and build technical expertise/synergy between CTI testing and Plugtests</li> </ul>
<p>3. Specific additional tasks and/or responsibilities</p>	<ul style="list-style-type: none"> <li>• Overall responsibility for CTI tool support (TTCN-3, Interop, HIVE etc.) and liaison with ICT, STF Support and other suppliers</li> <li>• Provide tool support to STFs and clients, including procedural documentation</li> <li>• Manage internal and external client expectations</li> <li>• Create project plans and schedules and tracks progress of CTI tool support projects</li> <li>• Support the roll-out of new applications</li> <li>• Assist with TTCN-3 Certificate activities (where applicable)</li> </ul>
<p>4. Development, tracking and application of new methodologies</p>	<ul style="list-style-type: none"> <li>• General support methodology activities and initiatives and projects</li> <li>• General support for the development of TTCN-3, TPLan and other techniques</li> <li>• Build up CTI technical competence for interoperability testing and other testing methods</li> </ul>
<p>5. Reporting</p>	<ul style="list-style-type: none"> <li>• Report to CTI and/or Plugtests meetings on demand</li> <li>• Regular reporting on specific project budget, progress and results to the CTI Director</li> <li>• Reporting to the various commitment/contract stakeholders at the discretion of the CTI Director</li> </ul>
<p>6. Other responsibilities</p>	<ul style="list-style-type: none"> <li>• Any other demands imposed by the Management</li> </ul>

<p><b>PEOPLE AND FUNCTIONAL INTERFACES</b></p>
<ul style="list-style-type: none"> <li>• Directors within the Operations Division</li> <li>• Directors and the EVE Co-ordinators within the Services Division</li> <li>• Directors within the Resources Division</li> <li>• Senior Technical Officer STF</li> <li>• Quality &amp; Process Director</li> <li>• Legal Director</li> <li>• Editors in DPC</li> </ul>

- Other Operations staff

<b>PROFILE SPECIFICATION</b>
<b>Essential job profile related education, experience and skills</b>
<ul style="list-style-type: none"><li>• University degree or equivalent in Electronic, Telecommunications, or Information Technology Engineering</li><li>• Balance of skills and experience including:<ul style="list-style-type: none"><li>a) Knowledge/experience of telecommunications engineering, testing and test development</li><li>b) Knowledge/experience of formal and informal standardisation processes in Europe and globally</li></ul></li><li>• Experience of representing an organisation in an international context</li><li>• Team player with organisational skills and the ability to work autonomously when required</li><li>• Self-motivated, positive attitude, with willingness and ability to learn</li><li>• Excellent oral and written communication in English</li><li>• Ability to participate in international technical meetings/working groups</li><li>• Good presentational skills</li><li>• Ability to communicate in another European language is desirable</li><li>• Project management experience</li></ul>