July 2023

Title: Junior Professional Officer – **Junior C&I and Counterfeiting Officer, Geneva**
Bureau/Dept/Unit: **TSB/SGD**
Supervision: Denis ANDREEV / Advisor of ITU-T SG11
Duration: 2 years (with option for renewal)
Location: ITU Headquarter – Geneva, Switzerland
Grade: **P2**

ITU is the United Nations specialized agency for information and communication technologies – ICTs.

We allocate global radio spectrum and satellite orbits, develop the technical standards that ensure networks and technologies seamlessly interconnect, and strive to improve access to ICTs to underserved communities worldwide.

ITU is committed to connecting all the world's people – wherever they live and whatever their means. Through our work, we protect and support everyone's fundamental right to communicate.

Today, ICTs underpin everything we do. They help manage and control emergency services, water supplies, power networks and food distribution chains. They support health care, education, government services, financial markets, transportation systems, e-commerce platforms and environmental management. And they allow people to communicate with colleagues, friends and family anytime, and almost anywhere.

With the help of our global membership, ITU brings the benefits of modern communication technologies to people everywhere in an efficient, safe, easy and affordable manner.

ITU membership reads like a Who's Who of the ICT sector. We're unique among UN agencies in having both public and private sector membership. So in addition to our 193 Member States, ITU membership includes ICT regulators, many leading academic institutions and some 700 tech companies.

In an increasingly interconnected world, ITU is the single global organization embracing all players in this dynamic and fast-growing sector.

The JPO would be based in ITU HQ in Geneva, Switzerland, an international and exciting city that host more than 190 international organizations. Geneva host more than two thirds of all UN activities and

is visited by nearly 3000 heads of states or similar officials every year. It is a great opportunity to be based at the heart of the diplomatic world, and meet people from across the globe.

A. Organizational Unit:

The Telecommunication Standardization Bureau (TSB) fulfills the objectives of the Union relating to telecommunication standardization, by providing secretariat support to groups studying technical, operating and tariff questions and facilitating the adoption of standards ("Recommendations" in ITU parlance) in these areas with a view to standardizing telecommunications and information technology on a global basis. In order to achieve these objectives, the Telecommunication Standardization Bureau works in accordance with the instructions of the World Telecommunication Standardization Assemblies (WTSA), Telecommunication Standardization Study Groups and the Telecommunication Standardization Advisory Group. TSB, headed by an elected Director, provides the technical, administrative and logistic support for the assemblies and for the meetings of the groups mentioned.

The Study Groups Department (SGD) is responsible for facilitating, managing and supporting the work of the ITU-T study groups in the development of global telecommunication standards (ITU-T Recommendations) and other documents and databases related to standardization. It provides the counsel and secretariat for the Sector's study groups, focus groups and other ad hoc groups. Particular attention is given to "Bridging the Standardization Gap", i.e., to strengthen the participation of developing countries in the standards making process. The Department maintains close relations with the ITU Radiocommunication and Telecommunication Development Sectors and takes part in their work as required. Likewise, it cooperates with other global standards organizations such as ISO and IEC as well as recognized industry forums and consortia.

B. Organizational context: (Describe the organizational setting of the post and the purpose of the post as well as any supervision given or received)

Conformance and Interoperability (C&I), as well as combating counterfeiting and stolen ICT devices, are among key subjects of study currently being conducted in ITU.

In 2014 ITU launched its Product Conformity Database, which lists ICT products compliant with ITU standards. In 2021, ITU started recognizing Testing Laboratories that have the competence to test ICT products against ITU standards. Those two databases are used by different stakeholders to prove the reliability and robustness of their products.

Furthermore, ITU is developing test specifications for different technologies and is currently focusing on remote testing, referred as federated testbeds. This approach allows Testing Laboratories to work in a single virtual environment, enabling them to offer a new type of service known as Testing as a Service (TaaS). The dedicated Focus Group on Testbeds Federation for IMT-2020 and beyond, known as FG-TBFxG, was set up in 2021. This area of study will become a new direction for ITU-T SG11.

Combating counterfeiting and stolen ICT devices is one of the key challenges faced by many countries at the moment. ITU is studying ways to improve the reliability of existing identifiers

used on ICT products and standardize the requirements for different solutions that may prevent the spread of counterfeit and stolen devices worldwide.

C. Duties, responsibilities and key results expected: *(will be evaluated by Classification Officer)*

Under the supervision of Denis Andreev (Advisor of ITU-T SG11), the candidate will:

- Provide technical assistance with populating ITU Product Conformity Database (https://itu.int/go/tcdb) and Testing Laboratories Database (https://itu.int/go/tldb);

- Facilitate the involvement of new interested parties (e.g. TLs, vendors, etc.) to populate the above-mentioned databases;

- Write surveys and reports related to conformance and interoperability and combating counterfeiting and stolen ICT devices;

- Facilitate implementation of ongoing projects and events related to the ITU testing activities, including federated testbeds and activities on combating counterfeiting and stolen ICT devices;

- Provide support in carrying out preparatory work for related events, meetings and attend the events, when required;

- Prepare related administrative and technical correspondence, including briefings, background papers on related activities and respond to external and internal inquiries;

- Assist with promoting related activities;

- Perform other related duties as required.

D. Work relations and contact *(Describe the level of contacts by title (colleagues, collaborators, suppliers, clients, media, major donors), the skill used in developing and maintaining the contacts (such as to exchange information, persuade, advocate, build alliances, make commitments for the Organization or represent service or ITU) as well the purpose behind and the frequency of contacts)*

The candidate will be integrated in a team, within the Study Group Department of the Telecommunication Standardization Bureau, under the supervision of a TSB SG Counsellor/Advisor. Regular contacts and reporting on a weekly basis are expected. The candidate will interact with ITU Member States, Sector Members and other stakeholders who participate and contribute to ITU-T Activities.

E. Competencies

Core Competencies: Applying Expertise; Good analytical skills; Effective Communication; Learning and Knowledge Sharing; Organizational Commitment; Results-Focused, and; Teamwork and Collaboration.

Essential Functional Competencies: Analysis, Judgement and Decision Making ☐; Client and Service Orientation ☒; Innovation and Facilitating Change ☒; Leadership ☐; Networking and Building Partnerships ☒; Planning and Organising ☒; Successful Management ☐

Essential Technical Competencies *(Examples of technical competencies are knowledge of regulatory frameworks, ERP or project management methodologies, etc.):*
- Good analytical skills

- General knowledge of telecommunications
- Excellent writing and communication skills

F. Qualifications required

1. Education:

University degree in computer science, information systems, telecommunication, or a related field. Other university degrees will be considered based on the areas of the research.

2. Work experience:

At least three years of progressively experience in the field of the post.

3. Languages:

Knowledge of one of the six official languages of the Union (Arabic, Chinese, English, French, Russian, Spanish) at advanced level and knowledge of a second official language at intermediate level. Knowledge of a third official language would be an advantage. (Under the provisions of Resolution No. 626 of the Council, a relaxation of the language requirements may be authorized in the case of candidates from developing countries: when candidates from such countries possess a thorough knowledge of one of the official languages of the Union, their applications may be taken into consideration.)

G. Training and Learning Elements:

The candidate will acquire excellent knowledge and experience of:
- Signaling and networking standardization activities, including network architectures and related protocols;
- Conformance and interoperability issues;
- Combating counterfeiting and stolen ICT devices.

Learning will be structured and will take place through direct involvement in ITU databases maintenance, participation in ITU meetings and/or workshops/webinars, by studying ITU reports, surveys, studies or activities related processes, by mentoring and on-the-job training.

H. Additional information regarding the post *(Additional space for comments that have not been mentioned in the above sections, if any.)*

The helpful links below provide more details on the related ITU activities on:

- Conformance and Interoperability (https://itu.int/go/citest)
- Combating counterfeiting and stolen ICT devices (https://itu.int/go/CS-ICT)
- ITU Focus Group on Testbeds Federations for IMT-2020 and beyond (FG-TBFxG, https://itu.int/go/fgtbf)