



July 2023

Title: Junior Professional Officer – **Junior Fintech Security Officer**
Bureau/Dept/Unit: **TSB/SGD**
Supervision: Vijay Mauree, Programme Coordinator
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.

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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 Recommendations 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)

The ITU Telecommunication Standardization Sector (ITU-T) has been conducting core standardization work relating to digital financial services (DFS) and fintech. The ITU DFS Security Lab hosted at the International Telecommunication Union was set up as part of the outcomes of the Security, Infrastructure and Trust working group under the Financial Inclusion Global Initiative (FIGI) project, which was a joint collaboration between the ITU, World Bank, Committee on Payment and Market Infrastructures (CPMI) and supported by the Bill and Melinda Gates Foundation.

The DFS Security Lab provides a testbed for conducting security tests for mobile payment applications as well as developer resources for Fast Identity Online (FIDO) implementation of strong consumer authentication.

The position is under the supervision of the Programme Coordinator responsible for digital financial inclusion and the DFS Security Lab activities.

Typically, with normal ITU working hours except during meetings and assemblies when the incumbent may be required to work alternative hours and/or outside ITU headquarters

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

Under the supervision of the Programme Coordinator for Digital Financial Inclusion and DFS Security Lab, the Junior Professional Officer will:

- Contribute to the work of the DFS Security Lab
- Monitor and evaluate the implementation of the DFS Security Lab activities by analyzing progress and other reports.
- Research policy and technical issues related to mobile payment security and testing of mobile payment applications.
- Assist in conducting security tests for mobile payment applications based on Android, USSD and iOS
- Deliver presentations about the Digital Financial Services Security Lab during DFS Security Clinics and related ITU events.
- Follow up on processes with partners organization within the United Nations, ITU Sector Members, Member States, other international organizations for collaboration on DFS security.
- Support the organization of onsite/online events, webinars and workshops related to the DFS Security Lab activities.
- Support related events promotion in social media by creating content used for online posts.
- Perform other 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 incumbent will be integrated in a team, within the Study Group Dept of the Telecommunication Standardization Bureau, under the supervision of the Programme Coordination for Digital Financial Inclusion and DFS Security Lab. Regular contacts and reporting on a weekly basis is expected. Physical presence in the ITU headquarters is expected. The incumbent 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; 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.):*

- Experience in conducting research, preparing publications and report writing skills will be valued.

- Fundamentals of network security, cybersecurity risk management for fintech, and security of mobile payments. Knowledge in more than one area would be an advantage.
- Knowledge of regulatory frameworks in the field of digital financial inclusion would be an asset

F. Qualifications required

1. Education:

University degree in areas related to information and communication technologies (e.g. engineering, telecommunication, computer sciences), as well as Finance or Economics. Other university degrees will be considered based on the areas of the research.

2. Work experience:

At least three years of progressively responsible experience in the field of the post or related public/private experience.

3. Languages:

Knowledge of one of the six official languages of the Union (Arabic, Chinese, English, French, Russian, Spanish) at advanced level (Excellent knowledge of English for conducting research and producing content for documents and webpages is a preference for this post) 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:

- United Nations Systems
- International Telecommunication Union frameworks and policies
- Research in the fields of Fintech, mobile payment security and methodologies for testing mobile payment security and Open Web Application Security Project (OWASP) mobile top 10 security risks
- Use of KALI Linux and other ethical hacking tools for conducting security tests
- Organization of online events, workshops
- Modern working tools and social media

Learning will be structured and will take place through participation in ITU meetings and/or workshops, by studying ITU reports, surveys, online research, by mentoring and on-the-job training. The post holder will report to a direct supervisor who will provide learning opportunities by the following means:

- Attending ITU trainings dedicated to staff

- Attending language courses organized by ITU to staff
- Attending events organized worldwide on the topics of interest of the post

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

None