



## UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

### TERMS OF REFERENCE UNDER INTERNSHIP AGREEMENT

Title:	Intern (Blockchain)
Main Duty Station and Location:	UNIDO, HQ (Vienna, Austria)
Start of Contract (EOD):	01 July 2021
End of Contract (COB):	30 September 2021

### **ORGANIZATIONAL CONTEXT**

The United Nations Industrial Development Organization (UNIDO) is the specialized agency of the United Nations that promotes industrial development for poverty reduction, inclusive globalization and environmental sustainability. The mission of UNIDO, as described in the [Lima Declaration](#) adopted at the fifteenth session of the UNIDO General Conference in 2013, is to promote and accelerate [inclusive and sustainable industrial development](#) (ISID) in Member States. The relevance of ISID as an integrated approach to all three pillars of sustainable development is recognized by the 2030 Agenda for Sustainable Development and the related Sustainable Development Goals (SDGs), which will frame United Nations and country efforts towards sustainable development. [UNIDO's mandate is fully recognized in SDG-9](#), which calls to "Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation". The relevance of ISID, however, applies in greater or lesser extent to all SDGs. Accordingly, the Organization's programmatic focus is structured in four strategic priorities: [Creating shared prosperity](#); [Advancing economic competitiveness](#); [Safeguarding the environment](#); and [Strengthening knowledge and institutions](#).

Each of these programmatic fields of activity contains a number of individual programmes, which are implemented in a holistic manner to achieve effective outcomes and impacts through UNIDO's four enabling functions: (i) technical cooperation; (ii) analytical and research functions and policy advisory services; (iii) normative functions and standards and quality-related activities; and (iv) convening and partnerships for knowledge transfer, networking and industrial cooperation. Such core functions are carried out in Departments/Offices in its Headquarters, Regional Offices and Hubs and Country Offices.

The Intern shall work under the direct supervision of an officer designated by the Director of the following Department.

#### **Departmental Context**

Responding to the growing demand for supporting inclusive and sustainable industrial development (ISID) in the era of the new industrial revolution, the Department of Digitalization, Technology and Innovation (DTA/DTI) leads the way in addressing opportunities, challenges and risks stemming from the fourth industrial revolution (4IR) and its contribution to sustainable socio-economic progress. The Department is responsible for the strategic coordination of 4IR-related matters with designated focal points in other technical Departments and organizational entities of UNIDO, as appropriate. In consultation with public and private partners, DTI designs and implements holistic

interventions that are tailored to specific country needs. The Department's interventions actively identify and combine complementary services from across three Divisions, namely:

- Innovation and Digitalization Division (DTA/DTI/IDD)
- Investment and Technology Promotion Division (DTA/DTI/ITP)
- Quality Infrastructure and Smart Production Division (DTA/DTI/QIS)

This internship position is located in the Quality Infrastructure and Smart Production Division (DTA/DTI/QIS), which seeks to build national and regional quality infrastructure systems needed to provide internationally recognized services, including strengthening institutional capacities (i.e. metrology, standardization and accreditation); building conformity assessment capacities (testing, inspection, certification, calibration, etc.); supporting small and medium enterprises (SMEs) to take advantage of new technologies and standards for smart production and thus participate in global value chains; trade facilitation and promoting quality awareness with the public sector, economic operators and consumers.

The duration of an internship at UNIDO is between three to six months, is UNPAID and full-time. Interns work under the supervision of a staff member, in the department or office that they are assigned to. Interns shall cover all costs associated with their internship, including visas, travel to and from the duty station, insurance, transportation, accommodation and living expenses.

## **GENERIC DUTIES AND RESPONSIBILITIES**

The Intern shall be engaged as follows:

- a. Exposed to the regular core functions of the Division and as such shall have the opportunity to observe the day-to-day operations and engage in on-the-job training in specific actions delegated by the Supervisor.
- b. Engaged in a specific self-contained assignment described below:
  - Support to revise the readiness methodology of a value chain to implement blockchain and provide technical comments for improvement.
  - Research and propose a practical application of blockchain for certification, metrology traceability, accreditation and testing.
  - Description of maturity levels for a blockchain implementation and a score scale that allows rating the maturity stage of each of the actors
  - Prepare a comparison between different blockchain infrastructure and technologies.
- c. Prepare an end-of-internship report; to be submitted to and cleared by UNIDO Internship Coordination.
- d. Other Special emerging Projects that may enhance the learning experience of the Intern.

## **MINIMUM ORGANIZATIONAL REQUIREMENTS**

**Age:** Minimum 21 years and maximum 35 years on the first day of the internship.

**Education:** Enrolled in a university degree programme; or begin the internship within one year of completing a university degree; or completed a university degree and be sponsored as part of an academic or development programme.

**Field of specialization:** Blockchain technology.

**Languages:** Fluency in written and spoken English is required. Knowledge of another official United Nations language (Arabic, Chinese, French, Russian and Spanish) is an asset.

**Other skills:** Research skills.

## **CORE COMPETENCIES**

### ***Core values:***

**WE LIVE AND ACT WITH INTEGRITY:** work honestly, openly and impartially.

**WE SHOW PROFESSIONALISM:** work hard and competently in a committed and responsible manner.

**WE RESPECT DIVERSITY:** work together effectively, respectfully and inclusively, regardless of our differences in culture and perspective.

### ***Key competencies:***

**WE FOCUS ON PEOPLE:** cooperate to fully reach our potential –and this is true for our colleagues as well as our clients. Emotional intelligence and receptiveness are vital parts of our UNIDO identity.

**WE FOCUS ON RESULTS AND RESPONSIBILITIES:** focus on planning, organizing and managing our work effectively and efficiently. We are responsible and accountable for achieving our results and meeting our performance standards. This accountability does not end with our colleagues and supervisors, but we also owe it to those we serve and who have trusted us to contribute to a better, safer and healthier world.

**WE COMMUNICATE AND EARN TRUST:** communicate effectively with one another and build an environment of trust where we can all excel in our work.

**WE THINK OUTSIDE THE BOX AND INNOVATE:** to stay relevant, we continuously improve, support innovation, share our knowledge and skills, and learn from one another.

## **LEARNING ELEMENTS**

- Become acquainted with the most up-to-date technical, economic and industrial developments in the relevant field of specialization of the Division. Furthermore, he/she is expected to deepen his/her knowledge in the fields of new product/services and process design.
- Gain experience in project design/management.
- On the job training: participation in every phase of the working process.
- Gain experience in working effectively in a diverse and multi-cultural environment.