

**TERMS OF REFERENCE FOR
THE INDIVIDUAL CONSULTANT FOR THE DEVELOPMENT OF ONLINE GIS PORTAL**

A. INTRODUCTION

1. Project name:
Log-In Georgia
2. Employer:
Open Net N(N)LE
3. Position title:
Individual Consultant for the development of Online GIS portal
4. Consultant will deliver outputs to:
Head of IT Department, Georgia National Communications Commission
5. Contract duration:
3 Months
6. Project Description:
<p>The Government of Georgia signed a Loan Agreement for financing the implementation of Log-in Georgia Project (“Project”) with the World Bank (WB). The proposed Project development objective is to increase access to affordable broadband internet, and to promote its use by individuals and enterprises, in targeted rural settlements.</p> <p>The Project Consists of the following key components and subcomponents:</p> <p>Component 1: Increasing access to broadband – this Component will help expand access to broadband internet in rural settlements across Georgia and improve the enabling environment for digital development.</p> <p>Subcomponent 1.1: Supporting the Open Net Program – the Open Net Program will develop a national infrastructure to offer open access, wholesale, broadband telecommunications services.</p> <p>Subcomponent 1.2: Improving the enabling environment for digital infrastructure – this subcomponent will support activities to improve the enabling environment for digital infrastructure development in Georgia. This will support the development of legal, policy, and regulatory instruments, and design of investment attraction measures in accordance with the national broadband development strategy (adopted in 2020).</p> <p>Component 2: Promoting the use of broadband-enabled digital services – this Component will support the development of Georgia’s digital economy through a strengthened</p>

enabling environment, promoting digital use-cases of broadband, and addressing barriers to the participation of individuals in the digital economy.

Subcomponent 2.1: Enabling environment for digital economy development – this subcomponent will support activities to improve the enabling environment for digital economy development in Georgia.

Subcomponent 2.2: Promoting use-cases – the subcomponent will promote specific use-cases of improved broadband connectivity in targeted rural settlements.

Subcomponent 2.3: Increasing digital inclusion – this subcomponent will finance targeted interventions to boost the use of the internet and digital services by women, social minorities, and persons with disabilities in targeted settlements.

Component 3: Project implementation support – this component will support the management and implementation of the Project and associated activities.

The Project will be implemented over a five-year period by the Open Net NNLE as the implementing entity, with the oversight of the Ministry of Economy & Sustainable Development (MOESD) of the Government of Georgia (GoG). Open Net NNLE will be the Project Implementing Entity (PIE) to support the implementation of the Project.

7. Description of the assignment

Within subcomponent 1.2: Improving the enabling environment for digital infrastructure of the Log in Georgia Project it is planned to develop a digital platform, based on Web and Geo Information System (GIS) technologies. The main objective of the platform is to serve as an online portal, (aka. Single Information Point - SIP) for access and sharing of information on available public and private infrastructure that can be used by telecom operators for development and expansion and of their networks. Obligation to create a SIP is enshrined in the Law of Georgia on Infrastructure Sharing (“Law”), which was adopted by the Parliament of Georgia in June 2023. The law is based on the EU Broadband Cost Reduction Directive and is a part approximation commitments within the EU – Georgia Association Agreement. The SIP online portal will also include information on relevant secondary legislation and technical norms.

According to the draft Law, ComCom is a responsible agency for building and operation of the SIP portal.

The digital platform will be also used for the development of other GIS related services of ComCom, including digital maps providing information on telecom operators infrastructure and services.

It is planned to develop initial phases of the SIP and other GIS related projects over the 18 month period.

Within the framework of this assignment the consultant is expected to provide assistance to ComCom in drafting the purchaser’s requirements – requirements for the Information System including SIP and telecom infrastructure and service mapping functionality).

The assignment might be extended to provide advisory services to ComCom throughout the whole cycle of the development of SIP, including screening and selection of the bidders, supervision of project implementation, additional refining of requirements within the project scope, testing, piloting and acceptance, subject to further negotiations.

B. FUNCTIONS

I. Key duties of this position:

1. Provide advisory services on the drafting of the purchaser's requirements for the procurement of digital platform development services (including SIP and telecom infrastructure and service mapping functionality). ComCom will provide the consultant with initial draft of the purchaser's requirements, as well other related documents. ComCom representatives will provide explanations during the meetings with the consultant.

The consultant shall provide advisory services on following sections of the purchaser's requirements:

- a) Business requirements: Business requirements should be developed /amended based on initial requirements defined by ComCom, including SIP and other digital mapping systems. Consultant should provide recommendations based on his/her own experience as well as latest experience from development of the similar systems in EU member states and other developed economies, considering recommendations from ITU, EU, BEREC. Both current priorities as well as anticipated future business requirements should be considered during consulting process.
- b) Functional requirements: Provide recommendations on functional requirements of the system, based on the defined business requirements and considering progress of IT technologies.
- c) Technical / Technology requirements: Provide advice in defining technical recruitment for the system. The consultant should consider various factors including business and functional requirements, available IT resources at ComCom, expertise available on the software development market, timing requirements and available financial resources for system development and future maintenance.
- d) Project Management requirements: Provide recommendations on defining system development stages, project management methodology - project development, supervision, testing, piloting and acceptance.
- e) Expertise: Provide advice on setting requirements on bidder's both technology and project management expertise.

The assignment might be extended to provide advisory services to ComCom throughout the whole cycle of the development of SIP, including participation in bidder selection process:

- a) Evaluation of bidders' proposals (functional implementation, technology solution and expertise);
- b) Assistance in providing answers to bidders' questions;
- c) Participation in the interview meetings with the bidders (if required);
- d) Review of certain sections of the draft contract (if required).

Further, in case of extension, also provide advisory services on digital platform development and supervision during project implementation phase:

- a) Review of project progress and provision of recommendations on project management issues;
- b) Recommendations on amendment of project documents, within the scope of the project, based on the needs emerging during the project implementation process;
- c) Conduct review of the testing and piloting results, provide recommendations on them, and review the acceptance documents;
- d) Provide assistance in developing or amending of various documents, including but not limited to requirements defined in purchaser's requirements, project management requirements, and any other necessary documents.

Expected Output/Deliverables and Reporting Format:

N	Output/Deliverables	Timeline
1.	The draft of purchaser's requirements, including SIP and telecom infrastructure and service mapping functionality. Note: 2-3 iterations are expected per each ToR section, though some sections may require more attention.	4-6 weeks following the contract signature

Consultant should provide feedback within maximum 5 business days after receiving a relevant document from ComCom.

All deliverables must be submitted in English.

C. REQUIREMENTS

QUALIFICATION AND EXPERIENCE REQUIREMENTS

- Bachelor's degree in telecommunications engineering, Information technologies, physics, geography, geophysics, or related field;
- At least 10 years of relevant ICT experience;
- At least 5 years of experience during the last 10 years working on telecommunication infrastructure or services mapping projects, including up to date GIS technologies
- Experience working on digital map projects for international or state agencies (government, telecom regulators), telecom operators, mapping software development or consulting companies.
- Successful experience in at least one digital mapping project for state agency or private telecom operator in a key role responsible for successful project implementation – project manager, lead technology expert, head / deputy head of department, or other relevant position
- Familiarity with ITU, EU, BEREC recommendations for development of digital mapping services.
- Strong analytical and research skills;
- Ability to work collaboratively in a team and deliver outputs on time;
- Excellent speaking and writing skills in English.