UNSC seeks qualified applicants for short-term engagements as:

GIS Consultant – Feature Extract and Quality Control (multiple)

Candidates will only be contacted when a requirement arises. UN Personal History Form (P11 or PHP) of potential candidates will be stored in UNGSC Human Resources roster. Only candidates under consideration will be contacted for an interview.

The selected candidate will be offered an Individual Contractor’s contract.

Please note that for established fixed-term positions advertised on GSC/UNLB website, it is necessary to submit a separate application, quoting relevant VA No. in order to be considered.

Terms of Reference (TOR) for Consultant

DUTIES AND RESPONSIBILITIES

Objectives and targets:
Extraction of terrain, topographic and urban features from high resolution satellite data in Multinational Geospatial Co-production Program (MGCP), Topographic Data Store (TDS) standards and/or customized data models to produce Topographic Line (TLM) Maps in 1:50,000 scale and the urban map in large scale (1:10 000 and 1:5000) for the areas of interest.

Topographic data conversion into MGCP, TDS and customized data models in 1:100k, 1:50k, 1:25k, 1:10k and/or large scale: Tasks will be performed using the ESRI ArcGIS - Defense Solution (formerly known as PLTS) version 10.x to develop interoperable geo-databases. The targeted services are in line with the work program of the UNGSC/SGITT-GIS in order to provide geo-spatial services to UN field missions operations.

Tangible outputs of the work assignment:
Production of TLM 50 (1:50,000) map sheets based on MGCP standards.
Production of Urban maps in large scales (1:10 000 and 1:5000).
Production of MGCP geo-database.
Production of TDS geo-database.
Production of geo-database based on customized data models.
Harmonization of MGCP/TDS geo-database.
QC reports for geo-database and map sheet production.

Each consultant will be required to provide to the SGITT-GIS error-free and topologically clean/correct MGCP and/or TDS Geo-databases for further QA/QC. The SGITT-GIS will designate QA/QC Officers (UN staff or consultants) to undertake Multi-phase QA/QC on each map sheet and each topographic feature classes in MGCP/TDS geo-database submission from Consultants. The feature extractor will undertake any additional edits and improvements to the geo-database as directed by the QA/QC Officer. Base on the skills, the consultant can be tasked either as a Feature Extractor or as a QA/QC.

Consultants for geo-database production will perform data conversation, data upload, topographic error checks and data cleaning. The consultant will undertake any additional data edits and cleaning to the geo-database as directed by the QA/QC officer.

Work place:
Consultants (Feature extraction) are expected to perform the feature extraction remotely and/or not necessary in the UNGSC/SGITT-GIS in Brindisi, Italy, using their own ArcGIS software (ESRI- Defense Solution - PLTS). Consultants (Geo-database production) are expected to perform the tasks in the UNGSC/SGITT-GIS in Brindisi, Italy. Hardware and software will be provided.

The consultants, according to Article 4 of their contract, will be responsible and liable to ensure and respect the confidentiality of the data entrusted on them and will remain responsible for any unauthorized release to third parties.
Performance indicators:
The required knowledge for performing this work is based on a clear and demonstrated understanding of topographic and urban features extraction from satellite imagery and hands-on experience in using ESRI ArcGIS Defense Solution and ERDAS Imagine image processing software for production of topographic line (TLM) and urban maps. The provision of the service also requires extraction of topographic and urban features in accordance with the international military mapping standards (MGCP and TDS schemas). In addition, to adherence to these standards, feature extractors are expected to comply with SGITT-GIS's theater specific specialized feature catalogues. Concerning the SGITT-GIS QA/QC assessment, in the event of noncompliance, the work will be returned to the feature extractor for appropriate modifications and further adjustments. Continuous non-compliance will lead to cancellation of consultant's contract on the basis of not meeting the quality of feature extraction and data conversation required by the SGITT-GIS.

MINIMUM QUALIFICATIONS AND SKILLS

Education: High school diploma or equivalent is required. Technical or vocational training in Cartography, Geographic Information Systems (GIS) and/or equivalent, which involves geographic information and image processing programs is desirable.

Experience: Minimum two (2) years of experience in topographic and urban map production and geo-database development using ESRI software is required.

Language: English and French are the working languages of the United Nations Secretariat. For the post advertised, fluency in oral and written English is required.

Other Desirable Skills:
- Knowledge of topographic and urban features in Saharan and Sub Saharan Africa.
- Experience in working with MGCP and TDS standards is desired.
- Experience in building and customizing data model is advantage.
- Knowledge of VMap2 is advantage.

The United Nations is an Equal Opportunity Employer. In an effort to improve the gender balance within the organization, female candidate are strongly encouraged to apply.

Interested candidates who possess the relevant qualifications and experience, are either EU nationals or possess the right to live and work in the EU and able to commence work on short notice in Brindisi, Italy, are invited to submit their UN Personal History Form (P.11), BY EMAIL ONLY to: ungsc-hr@un.org quoting the Reference No. “Roster-17-18 (002)” in the subject line.

PLEASE INDICATE “Roster 17-18 (002)” IN THE SUBJECT LINE OF YOUR E-MAIL.

APPLICATIONS RECEIVED AFTER THE DEADLINE WILL NOT BE CONSIDERED.