

TITLE: TEAM LEAD REMOTE SENSING TECHNOLOGY

CLASSIFICATION: STO27

MINISTRY: WATER, LANDS AND RESOURCE SREWARDSHIP **WORK UNIT:** BASE MAPPING & REMOTE SENSING

SUPERVISOR TITLE: MANAGER, REMOTE SENSING & GEODETICS **SUPERVISOR POSITION #:** 00098924

JOB OVERVIEW

As a branch geomatics business and data expert, the position is responsible for leading the identification and development of new methods to create, search, examine and analyze data sets with an emphasis on lidar and remotely sensed information. The position also ensures the acquisition/measurement, storage, management and presentation of government geospatial data resources are continually improved, remain consistent with industry best practices and take advantage of emerging technologies.

This position oversees the Provincial LiDAR Program and is responsible for managing the operations and successful implementation of the LiDAR Program.

ACCOUNTABILITIES

- Provides authoritative advice and recommendations regarding geomatics infrastructure (data, processes, software, database, hardware) options to achieve business objectives.
- Lead long-term strategic planning for the design, implementation and evaluation of significant geomatics infrastructure strategies, programs and projects.
- Leads and manages major geomatics infrastructure projects through all phases of the life cycle within accepted standards and deliverables, including determination of project scope, defining deliverables and develops project charters to align with the direction of the program area.
- Leads and manages the development, implementation and evaluation of geomatics infrastructure governance models, operational frameworks and standards, ensuring integration of corporate goals into operational methodologies.
- Leads and manages the formation of consultative processes and acts as a facilitator to lead the identification and refinement of business requirements and geomatics management strategies.
- Leads, manages and/or conducts the evaluation of a broad range of geomatics infrastructure options (including traditional and new/emerging technologies) and provide recommendations to achieve internal and external communications goals.
- Leads, manages and/or conducts the design and implementation of formal research studies and pilot projects to design and test geomatics frameworks and infrastructure and their application to various

operational and information-requirement challenges and provide recommendations based on the evaluation of results.

- Leads the development, implementation, monitoring and evaluation of policies, guidelines, standards and strategies for geomatics-related business processes.
- Identifies and implements quantitative and qualitative methods to monitor the effectiveness, efficiency, integrity and other aspects of geomatics-related business processes, technologies and applications and makes recommendations to improve outcomes.
- Leads and contributes to the negotiation and management of partnerships and agreements with other ministries, other levels of government, industry clients and others (e.g. members of the public) to collaborate on projects and initiatives, identifies issues and implements solutions, conducts geomatics infrastructure pilot projects and promote the interests of the ministry.
- Leads and contributes to the negotiation and management of service level agreements with IM/IT agencies (e.g. for application operations, IT infrastructure and support, standards, capacity planning, IT planning, backups and disaster recovery planning); and other IT-related internal and external service providers to monitor performance and ensures IT-related services continue to support business requirements.
- Contributes to recommendations for changes to legislation, regulations, policies and business practices.
- Prepares and contributes to the preparation of briefing notes, reports, publications, project charters, presentation materials, contracts, training materials, correspondence, website content and other documents.
- Represents the interests of GeoBC and the ministry on international, national, provincial, government, industry, public/private, inter-ministry and ministry committees and project teams and at events.
- Manages procurement processes for vendors and contractors.
- Delivers briefings and presentations to interpret and explain technical concepts to non-technical audiences. Prepares and delivers or supervise the preparation and delivery of training seminars (to employees, and internal/external clients).
- Supervises staff including assignment of work, development and evaluation of performance plans and approval of leave (project teams (<12 FTEs), temporary employees (<3 FTEs) and co-op students (<2 FTEs).

JOB REQUIREMENTS

- A Bachelor's degree or diploma and three years experience in geomatics, resource management, geography, environmental science, computer science or related area; **OR**
- A minimum of 5 years of relevant experience in an appropriate discipline (e.g. geomatics, geography, computer science, etc.); **OR**
- An equivalent combination of education and experience may be considered;

Date: October 12, 2023

- Experience managing projects and project teams producing geospatial products. Preference may be given to those who have 5 or more years of experience.

Preference may be given to applicants with any of the following work experience with:

- Developing, maintaining, and advising on geospatial data workflows and processes.
- LiDAR post-processing, classification, and product generation
- Developing, explaining, and presenting findings, reports and summaries of results both verbally and in writing, in a clear and concise style that is appropriate to the audience
- Developing and managing large spatial and attribute data sets (e.g. digital imagery, LiDAR, inSAR)
- Diverse corporate datasets (e.g. BC base mapping products, services and tools, including TRIM, Fresh Water Atlas [FWA], Digital Road Atlas [DRA], Digital Elevation Model [DEM])
- Applying artificial intelligence to remote sensing
- More years of experience in the above statements.

KNOWLEDGE, SKILLS AND ABILITIES

- Effective written and verbal communication skills
- Geographic Information Systems, Remote Sensing, Survey principles and practices.
- Project Management

PROVISO

- Successful completion of security screening requirements of the BC Public Service, which may include a criminal records check, and/or Criminal Records Review Act (CRRRA) check, and/or enhanced security screening checks as required by the ministry (**Note: It is important that you read the job posting carefully to understand the specific security screening requirements pertaining to the position**).

BEHAVIOURAL COMPETENCIES

Change Management is the ability to support a change initiative that has been mandated within the organization. It involves helping the organization's members understand what the change means to them and providing the ongoing guidance and support that will maintain enthusiasm and commitment to the change process. People with this competency willingly embrace and champion change. They take advantage of every opportunity to explain their vision of the future to others and gain their buy-in.

Analytical Thinking is the ability to comprehend a situation by breaking it down into its components and identifying key or underlying complex issues. It implies the ability to systematically organize and compare the various aspects of a problem or situation and determine cause-and-effect relationships ("if...then...") to resolve problems in a sound, decisive manner. Checks to ensure the validity or accuracy of all information.

Expertise includes the motivation to expand and use technical knowledge or to distribute work-related knowledge to others.

Innovation indicates an effort to improve performance by doing or promoting new things, such as introducing a previously unknown or untried solution or procedure to the specific area or organization.

Long Term Focus combines reasoned and realistic judgement and commitment to key outcomes. It demands a blending of visionary thought and drive with pragmatism and perseverance and has been described as “steering a steady course through uncharted or difficult waters”. Individuals with this competency can maintain the commitment of others, and rely upon self-confidence and insight to meet individual, situational or organizational challenges.

Results Orientation is a concern for surpassing a standard of excellence. The standard may be one’s own past performance (striving for improvement); an objective measure (achievement orientation); challenging goals that one has set; or even improving or surpassing what has already been done (continuous improvement). Thus, a unique accomplishment also indicates a Results Orientation.

Teamwork and Cooperation is the ability to work co-operatively within diverse teams, work groups and across the organization to achieve group and organizational goals.

Service Orientation implies a desire to identify and serve customers/clients, who may include the public, colleagues, partners (e.g. educational institutes, non-government organizations, etc.), co-workers, peers, branches, ministries/agencies and other government organizations. It means focusing one's efforts on discovering and meeting the needs of the customer/client.

INDIGENOUS RELATIONS BEHAVIOURAL COMPETENCIES

Self-discovery and Awareness means understanding one's thoughts, feelings, values and background and how they impact the success of the interaction and relationship, or how they may influence one's work. It is recognizing one's own biases by tracing them to their origins, through reflection and by noticing one's own behaviour—and then intentionally seeking a way forward that positively impacts the interaction and relationship. It means maintaining new ways of thinking and acting when situations become difficult or uncertain, or in times of urgency.