



Job Specification

Position Title: GEOMATICS ANALYTICAL TECHNICIAN
Job Code: OPSEU - Systems Officer 2, 17154
Job ID: 13677

Purpose of Position:

To assist in coordinating specific project components related to the delivery of the Information Management Activities of the Geomatics Service Centre.

Duties/Responsibilities:

70% Provide advanced Geographic Information System and Remote Sensing support by:

- Assisting in GIS project requirements analysis;
- Assisting in coordination of GIS projects;
- Conducting complex analysis using GIS/remote sensing software;
- Designing simple and complex maps;
- Conducting complex queries and analysis;
- Generating detailed project reports;
- Responding to requests for various types of information products;
- Writing complex AML or Avenue scripts for the automation of GIS tasks;
- Participate and lead application development activities.

20% Provide system support and data management support by:

- Installing software upgrades;
- Maintaining necessary supplies
- Trouble-shooting and assisting in the resolution of complex operating problems with Windows 95, Windows NT and Unix based computer systems;
- Trouble-shooting and assisting in the resolution of complex operating problems with colour plotters, printers, etc.;
- Participate and lead data cataloguing and project specific archiving activities.

10% Provide assistance in the maintenance and development of Internet/Intranet sites by:

- Creating data layers for display with Internet GIS software;
- Creating map and graphic images for display on Internet;
- Writing HTML code for Internet/Intranet pages;
- Creating GIS internet applications with application/Web development tools (MapObjects, Internet Map Servers).

Knowledge:

- Proven ability to work effectively within a multi-disciplinary team and with non-government clients and partners.
- Proven ability to work independently and prioritize/work within tight deadlines.
- Excellent analytical and organizational skills.
- Job requires knowledge of personal computers/software/hardware (e.g. word processing, database, electronic mail and spreadsheet applications) and peripherals (e.g. plotter, printer).
- Working knowledge of resource management principles and management techniques.
- Excellent oral and communication skills.

Skills:

- Excellent knowledge of digital map production, data management and GIS analysis
- Thorough knowledge of GIS/remote sensing concepts in raster and vector data models, map projections, scale and resolution, accuracy and precision.
- Working knowledge of ARC/INFO and ARC/VIEW (and common extensions for modelling and analysis) and PCI
- Proven experience with Windows NT, and Unix operating systems.
- Proven experience with file transfer, Internet technology and network protocols.

Freedom of Action:

This position operates under general supervision. Position works with individual clients to scope projects. Once a project is assigned, the incumbent will need to be able to recognize new priorities and adjust

individual tasks as required. Position works in an open concept, multi team environment. Position makes recommendations to team member on the approaches to resolving work-flow issues.