

Job Description

Title: Remote Sensing Operator
Location: Aldergrove, BC
Duration: 7 Month Assignment with the possibility of conversion to Permanent Full-Time

Position Description:

MDA is seeking Remote Sensing Operators to join the Near Real-Time Ship Detection project team. The Operators form a team undertaking and overseeing the data reception from the satellite, the data processing, and the data product generation in accordance with the operations timelines. This involves pre-pass preparation activities, data reception, processing, and near-real time product generation and delivery for scheduled satellite passes. Outside scheduled passes, staff will undertake other product generation and GIS application tasks, and also system maintenance activities.

Responsibilities:

The Operator will be required to provide pre-pass, reception and processing and post-pass activities, which include, but are not limited to:

- Pre-pass system configuration verification and checks.
- Monitoring of reception progress, automated processing stages, verifying reception and processing reports, image quality checks, and general troubleshooting.
- Data exploitation through running proprietary software to produce time-critical SAR Detection Reports and also potential oil pollution identification, validation of detections, and data dissemination.
- Ongoing non near real-time activities to oversee processing, delivery, and archiving activity status reports, and other GIS application work and remote sensing product generation.
- Performing general system administration and maintenance tasks.

Mandatory Requirements:

- Successfully completed a post secondary degree, diploma or certificate from a recognized Canadian university or college in Geographic Information Systems (GIS), Remote Sensing, or Information Technology
- Worked at least 3 years in the last 5 years, in remote sensing or Geographic Information System (GIS) fields or a combination of both
- 10 months proven and current experience in a Microsoft Windows environment in the last year
- Worked at least 10 of the last 12 months on or with systems with two or more servers

Other Qualifications Required:

- Experience working in target detection, using a tool for automatic detection of targets with input from acoustic, infrared, optical or radar sensors and monitoring the effectiveness of the tool

- Experience as an imagery analyst using optical or infrared or radar sensors
- Working on the interpretation of active or passive sonar images, and radar images for non-traffic management purposes
- Working on the interpretation of optical or infrared images in the context of determining characteristics of natural or artificial objects within a natural environment to produce technical or scientific information
- Experience using a radar sensor, or passive or active acoustic sensor to:
 - Determine ground or air vehicles, or surface or subsurface marine vessels; or
 - Track ground or air vehicles, or surface or subsurface marine vessels; or
 - Identify ground or air vehicles, or surface or subsurface marine vessels; or as an aid to navigation of a surface or subsurface marine vessel of a least 300 tons gross displacement or any jet aircraft or any aircraft rated for 25 passengers
- Proven ability to be a team player, but also work unsupervised on a daily basis
- Excellent verbal and written communications skills

Comments/Special Considerations:

- Candidate must hold or be eligible to obtain Secret Security Clearance
- Must be willing to work flexible hours – shift work (including weekends) are required

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To apply for this position, please submit your resume through our on-line application at <http://www.mdacorporation.com/careers/jobs/postings/T1174.cfm>.

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