

**TITLE: OPERATION TECHNOLOGIST**

**CLASSIFICATION: STO 21**

**JOB OVERVIEW**

*The Operations Technologist is responsible for developing operating standards, implementing new forest management practices, contract management, coordinating technical activities, monitoring adherence to legislative and environmental standards and The Operations Technologist Operations Technologist providing technical expertise to staff in one or more of the following areas: tenure development, road and block layout, silviculture, timber tenure administration and forestry contract administration.*

**ACCOUNTABILITIES**

**Planning:**

- Develop operational plans in support of the business area's annual business plan with goals, priorities, project proposals and proposed budgets.
- Recommend operational forest management practices for inclusion in business area standard operating procedures and best management practices.
- Decide which harvesting/development areas are forwarded to planning staff for First Nation and stakeholder referrals, and completion of professional assessments as required.
- Decide which blocks to include within Timber Sales Licenses, and recommend TSLs for inclusion in the business area sales schedule.
- Recommend road construction/upgrade/maintenance and log handling projects to support the delivery of the business area sales schedule.

**Harvest tenure development and operations:**

- Responsible for all aspects (planning, coordinating, managing, and providing expertise) of complex multi-year contracts for timber development (recce, harvesting, layout, cruising and engineering).
- Responsible for all key decisions related to timber development, and providing operational direction to Forest Technologists.
- Coordinate specialized services for the completion of various assessments such as stream, terrain, visual impact, marine and wildlife. Review reports and integrate recommendations into TSL development as required.
- Assess and adequately protect archaeological and cultural heritage resource values consistent with the *Heritage Conservation Act* and the *Forest and Range Practices Act*.
- Communicate and resolve conflict with stakeholders, First Nations, and other government agencies in making operational decisions.
- Conduct quality assurance and approve/reject timber cruise plans and cruise submissions.
- Prepare, analyse, professionally peer review, and submit appraisal data leading to development of upset stumpage rates.
- Collate and decide on allocation of phase costs, and calculate Variable Cost Upset TSL rates for comparison with Market Pricing System rates, consistent with FLNRO Appraisal Manual.
- Prepare requests to the Executive Director for approval of modified upset stumpage rates where required.

- Assess TSL holder revisions to harvesting plans and make recommendations to TSM where the revision is anticipated to breach licence conditions, legislation, or BCTS' Forest Stewardship Plan.
- Make Annual Developed Volume declarations creating Ready to Sell Inventory for current- and long-term sales plans.
- Lead the analysis and determine timber valuations and logging chance using cost/benefit analysis to provide data that enable decisions which ensure optimum economic return from timber sales.
- Prepare TSL packages and provide quality assurance reviews prior to advertising.

#### **Silviculture:**

- Develop, implement, and manage all silviculture plans, budget estimates, and contracts to ensure compliance with legislative, Forest Stewardship Plan, Sustainable Forest Management Plan and Site Plan requirements.
- Complete all statutory declarations to document the achievement of silviculture activities to ensure compliance with legislation and Forest Stewardship Plans.

#### **Forest Health initiatives/activities:**

- Develop, implement, and manage plans, budget estimates, and contracts for all forest health activities.

#### **GENERAL ACCOUNTABILITIES**

- Provide mentoring, expertise, advice and assistance to Forest Technologists.
- Plan, coordinate and manage large-scale, complex, and high-value contracts.
- Provide expertise in the development of technical specifications and clauses for operational contracts with consideration of environmental, financial and safety risks.
- Coordinate and conduct contractor pre-work meetings and monitor operations to confirm conformance and compliance with contractual and legal obligations, and initiate corrective action as required.
- Act as Qualified Receiver in accordance with ministry contract policies and accounting requirements.
- Use related hardware and software to collect, analyse, validate and maintain data to enable and make evidence-based operational decisions, and to ensure data integrity.
- Monitor, evaluate and report on licensee, permittee and contractor operations to confirm conformance related to the Sustainable Forest Management system and Environmental Management System implemented by BCTS.
- Take corrective action required to rectify non-conformance and make recommendations for improvements to all management systems.
- Integrate the requirements of BCTS' Safety Program into licensee, permittee, contractor and staff activities.
- Supervise the learning, safety, development and activities of seasonal, auxiliary, and temporary staff.
- Lead continuous improvement by testing, evaluating and developing new technologies, practices, and processes for operational consideration and implementation.

#### **JOB REQUIREMENTS**

- Graduation from an approved technical institute with a diploma or degree in resource or forestry management.

- Two years (gained within the last five years) of experience in one or more operational field-based forestry activities such as tenure development, road and block layout, silviculture, timber tenure administration and forestry contract administration.
- Or an equivalent combination of education or experience such as, or five years (gained within the last seven years) of experience in one or more operational field-based forestry activities such as tenure development, road and block layout, silviculture, timber tenure administration and forestry contract administration.
- Applicants must be registered or eligible for registration with the Association of British Columbia Forest Professionals (ABCFP) as a Registered Forest Technologist or equivalent.
- Must possess at minimum a valid Class 5 B.C. Driver's License that does not limit or restrict the ability to conduct the duties of the job.

#### **PROVISOS**

- Must be willing and able to withstand the rigors of fieldwork.
- Must be willing to work in adverse weather conditions.
- Must be willing and able to travel to meet job requirements.
- Must be willing and able to travel in fixed and or rotary winged aircraft and or watercraft.

#### **PREFERENCE STATEMENT**

- Applicants with three years (gained within the last five years) of experience with specific forestry experience in one or more operational field-based forestry activities (such as tenure development, road and block layout, silviculture, timber tenure administration or forestry contract administration).

#### **KNOWLEDGE, SKILLS AND ABILITIES**

- Basic knowledge of the structures and mandates of the Ministry of Forests, Lands and Natural Resource Operations and BC Timber Sales.
- Knowledge of related legislation and regulations and the ability to interpret and apply legislation, policy and procedures.
- Knowledge of cost and benefit analysis and financial management and control.
- Knowledge of contract and project administration.
- Knowledge of safety procedures and practices as they relate to forestry activities.
- Knowledge in one or more of the following forestry fields: timber development, appraisals, or silviculture.
- Ability to plan, organize, administer and monitor multiple projects and contracts simultaneously.
- Ability to identify, analyze and solve operational and technical problems.
- Ability to conduct and analyse data for technical reviews and inspections.
- Ability to assess situations quickly and take appropriate and safe action.
- Ability to observe, report and maintain accurate records
- Ability to communicate clearly and effectively both verbally and in writing.
- Ability to use computer applications (such as spreadsheets, databases, electronic mail, and word processing) to enter and retrieve data and create and edit a variety of effective correspondence and reports.



## BEHAVIOURAL COMPETENCIES

- Building Partnerships with Stakeholders is the ability to build long-term or on-going relationships with stakeholders (e.g. someone who shares an interest in what you are doing). This type of relationship is often quite deliberate and is typically focused on the way the relationship is conducted. Implicit in this competency is demonstrating a respect for and stating positive expectations of the stakeholder. (L2)
- Business Acumen is the ability to understand the business implications of decisions and the ability to strive to improve organizational performance. It requires an awareness of business issues, processes and outcomes as they impact the client's and the organization's business needs. (L2)
- Improving Operations is the ability and motivation to apply one's knowledge and past experience for improving upon current modes of operation within the Ministry. This behaviour ranges from adapting widely used approaches to developing entirely new value-added solutions. (L2)
- Planning, Organizing and Coordinating involves proactively planning, establishing priorities and allocating resources. It is expressed by developing and implementing increasingly complex plans. It also involves monitoring and adjusting work to accomplish goals and deliver to the organization's mandate. (L3)
- 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. (L3)
- Service Orientation implies a desire to identify and serve customers/clients, who may include the public, co-workers, other branches/divisions, other ministries/agencies, other government organizations, and non-government organizations. It means focusing one's efforts on discovering and meeting the needs of the customer/client. (L3)
- Teamwork and Co-operation is the ability to work co-operatively within diverse teams, work groups and across the organization to achieve group and organizational goals. It includes the desire and ability to understand and respond effectively to other people from diverse backgrounds with diverse views. (L3)