

Self-Screening Registration Criteria

T03: Equipment Supervision

The Ministry of Forests and Range will only contract with technical services consultants to carry out equipment supervision for forest road projects under category T03, who have the mandatory knowledge and experience as detailed below.

Mandatory Knowledge Requirements

1. have considerable recognized specialization in supervision of equipment for the construction, maintenance and deactivation of forest service roads, as required by the ministry, including:
 - planning and supervision of multiphase projects with multiple pieces of equipment, including the provision of logistical support
 - construction equipment and construction techniques, including and understanding of the types and limitations of excavation and drilling
2. have considerable knowledge of:
 - conducting time studies of equipment to confirm production rates and costs, and comparing the project final costs to the original cost estimate
 - right-of-way logging operations, logging equipment, decking of logs and timber utilization specifications
3. have a working knowledge of:
 - ability to identify potential user safety hazards and potential risk of damage or loss to environmental values and other threatened values
 - principles of slope stability
 - ministry's contract administration process
 - worker safety provisions associated with general practices
4. be familiar with Provincial legislation such as the *Forest Practices Code of British Columbia Act*, *Forest and Range Practices Act*, and *Water Act*, and associated regulations under those acts, including the Water Regulation, Forest Road Regulation, and the Forest Planning and Practices Regulation, among other legislation relevant to specific projects in forest road and construction maintenance and deactivation;
5. have knowledge and understanding of the principles and best management practices relevant to road projects provided in publications such as:
 - Forest Practices Code of BC Fish-stream Crossing Guidebook (March 2002)
 - Forest Practices Code of BC Forest Road Engineering Guidebook (June 2002)
 - Forest Practices Code of BC Riparian Management Area Guidebook
 - Forest Practices Code of BC Fish-stream Identification Guidebook
 - Forest Practices Code of BC Mapping and Assessing Terrain Stability Guidebook (August 1999)

- Forest Practices Code of BC Gully Assessment Procedure (February 2001)
 - Best Management Practices Handbook: Hillslope Restoration in British Columbia (November 2001)
http://www.for.gov.bc.ca/hth/engineering/documents/publications_guidebooks/publications_reports/bmp_hndbk_nov_01.pdf
6. in the case of projects that come under the control and administration of BC Timber Sales (BCTS), obtain BCTS Environmental Management System (EMS) Level 3 training prior to commencing work on any BCTS Worksite.

Mandatory Experience Requirements

1. Consultants providing services for equipment supervision require a minimum of 5 years of demonstrated relevant experience in equipment supervision in British Columbia within the past 8 consecutive years in the forestry industry. Consultants must have specific work experience in the following activities:
 - the successful completion of roads (or related projects for bridges, major culverts, maintenance and deactivation) in accordance with construction drawings, plans, and specifications
 - the review and acceptance of appropriate materials and supplies delivered to the project site
 - the provision of recommendations to the ministry regarding changes to the construction, maintenance and deactivation for unforeseen circumstances
 - the establishment and implementation of a project safety plan
 - recording relevant field data, and reporting any potential non-compliance with contract, legislative, and Environmental Management Plan requirements to the ministry contract officer
 - confirming and recording the occurrence of unforeseen site conditions, and making recommendations to the ministry regarding necessary changes to the work
 - preparing detailed project records (including photos) and progress and summary reports by phase, including keeping daily diaries (site and weather conditions, type and number of pieces of equipment, observations of contractor performance, problems encountered, costs by piece of equipment by day)
 - acting as receiving authority for equipment invoices and preparing equipment time cards