

# Self-Screening Registration Criteria

## T04: Road Deactivation Prescriptions

The Ministry of Forests and Range will only contract with technical services consultants to prepare road deactivation prescriptions for forest roads under category T04, who have the mandatory knowledge and experience as detailed below.

### Mandatory Knowledge Requirements

1. have considerable recognized specialization in preparing deactivation prescriptions for forest roads, as required by the ministry, including:
  - an ability to recognize field indicators of slope instability and other signs of actual or probable environmental degradation
  - an ability to identify landslide hazards, soil erosion hazards, and public safety and worker safety hazards,
  - recording relevant field data
2. have considerable knowledge of:
  - road deactivation techniques such as water bars, cross ditches, road fill pull removal of; round pipe culverts, wood box culverts, and bridges, ford and armoured swale, insloping and outsloping, and end hauling;
  - ability of equipment to carryout deactivation and any limitations
3. have working knowledge of; a working knowledge of the principles of soil and rock mechanics, the principles of forest hydrology (both ground and surface water), and the principles of slope stability
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 road deactivation;
5. have knowledge and understanding of the principles and best management practices relevant to road deactivation 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 Soil Rehabilitation Guidebook
  - 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](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**

Consultants providing services for road deactivation prescriptions require a minimum of 5 years of demonstrated relevant experience in development of road deactivation prescriptions in forestry or related resource industries in British Columbia. At least two of these years must have been in responsible charge of overseeing the inspection or supervision of road deactivation works. Consultants must have specific work experience in the following deactivation prescription activities:

1. Fieldwork as necessary for:
  - inspection of the road (fill and cut slopes, stream crossings, and drainage system), identification of drainage, slope stability, and soil erosion hazards, and identify risk of damage or loss to forest resources and other values, including recognition of field indicators of slope stability hazards that will require further investigation by a professional engineer or professional geoscientist;
  - selection of appropriate (cost effective and cost efficient) deactivation techniques to address legislative requirements and risk to forest resources and other values, field marking of recommended actions, and preparation of detailed field notes.
2. Preparation of a road deactivation prescription that clearly communicated the objectives and works to be performed as described in the “Forest Road Engineering Guidebook”, and that addressed:
  - removal of stream crossing structures
  - stabilization of the road prism and clearing width, recognizing potential for further deterioration of the road prism
  - restoration or maintenance of the surface drainage patterns, consistent with natural drainage patterns.
  - requirements for providing safe fish passage and protection of fish habitat at stream crossings
  - minimization of the impact of silt and sediment transport on other forest resources
  - revegetation of exposed soils
3. Preparation of a deactivation map to an appropriate scale, and a tabular summary of prescribed actions, by station along the road as described in the “Forest Road Engineering Guidebook”
4. Preparation of a cost estimate in tabular format for equipment to carry out the prescribed works.