

PRACTICE ADVISORY

PROFESSIONAL ROLES AND RESPONSIBILITIES FOR THE LIFE CYCLE OF FOREST ROADS

Version 1.0, Published August 23, 2022

INTRODUCTION

This practice advisory explains:

- a) the roles and responsibilities of project participants involved in the planning and layout, design, construction, maintenance, and deactivation of forest roads; and
- b) the regulation of the relevant areas of practice by professional regulatory bodies and by the government.

A road project described in this practice advisory may include one or more of the life-cycle phases referred to herein.

Tables A to H categorize and distinguish the roles and responsibilities of the following persons and entities at the various life-cycle phases:

- Professionals carrying out work relating to forest roads ("Practitioners")
- Forest road operators with legislated performance obligations ("Road Operators")
- The professional regulatory bodies that license the Practitioners ("Regulatory Bodies")
- The provincial Ministry responsible for regulating such forest roads, and oversight of the delivery of those obligations ("Government/Governance")

It is expected that all parties proactively support and foster the appropriate application of professional reliance principles and practices for all forest road activities in which they are involved.

This practice advisory complements and is generally consistent with the guidance of the Engineers and Geoscientists British Columbia/Association of British Columbia Forest Professionals (ABCFP) joint professional practice guidelines titled [*Guidelines for Professional Services in the Forest Sector: Forest Roads*](#), dated June 2012 (the "Roads Guidelines"). As such, the definitions listed in Section 1 of the Roads Guidelines apply to this document. Note that the role of the Coordinating Member ("CM") is used as defined in the Roads Guidelines and has not been changed or redefined herein.

Note, however, that [Attachment 1: Assurance Statements](#) of this advisory includes two new assurance statements: the “Road Project Assurance Statement” and the “Coordinating Member – Transfer of Professional Responsibility Statement – Forest Roads.” These statements align with the best practices developed for the most recent update to the [Joint Professional Practice Guidelines: Professional Services in the Forest Sector – Crossings](#), Version 3.0.

Throughout each of the road activities and across all the activities for the life cycle of forest roads, there must be clear professional oversight and responsibility, in accordance with currently applicable legislation and regulations.

Note, that there may also be site-specific situations that require professional input or oversight that are required by other agencies' statutes and regulations. One example may be the *Occupational Health and Safety Regulation* under WorkSafe BC as applied to worker safety.

The direction and guidance provided in this advisory apply to professional roles and responsibilities only, and there is no intent to provide insight into detailed and specific technical and professional practices that may be found in other publications or developed through professional training and experience.

While the principles provided here could be considered for various types of roads, the specific guidance and the embedded hyperlinks to external sources apply only to forest roads permitted or tenured under the *Forest Act* or the *Forest and Range Practices Act* (for example, these acts do not include roads on private managed forest land or non-status roads).

The content in the tabular matrix portion of this document (Tables A to H) is summarized, to remind experienced participants of the various project pieces and the corresponding elements in each, and to introduce inexperienced participants to the topics.

ACKNOWLEDGEMENTS

This practice advisory was prepared by a task force of the ABCFP/Engineers and Geoscientists BC Joint Practice Panel with guidance from the Ministry of Forests (formerly the Ministry of Forests, Lands, Natural Resource Operations and Rural Development) and the Engineers and Geoscientists in the Resource Sector Division. Funding for the advisory was provided jointly by the ABCFP, Engineers and Geoscientists BC, and the Ministry of Forests. The regulatory bodies thank all of the partners for their generous support and guidance.

OVERVIEW OF PROJECT PHASES

For each phase or project associated with a forest road project, a Practitioner must be assigned overall professional responsibility. The overview table ([Table A](#)) explains definitions and summarizes the roles and responsibilities of project participants.

The subsequent tables describe five forest road phases:

- General ([Table B](#))
- Road Planning and Layout ([Table C](#))
- Road Survey and Design ([Table D](#))
- (Preparation of) Road Plans ([Table E](#))
- Construction ([Table F](#))
- Road Use, Inspection, and Maintenance ([Table G](#))
- Road Deactivation ([Table H](#))

Professional responsibility can be handed off within or between the project phases, when circumstances are not suitable for a single continuing coordinating professional.

HOW TO USE THIS DOCUMENT

The tables in this document describe the roles and responsibilities of project participants who are involved in the life cycle of forest roads. The overview table ([Table A](#)) explains definitions and summarizes the roles and responsibilities of project participants, and subsequent tables are presented in order of each project phase, as described above.

Each table contains numbered notes, hyperlinks, and references that correspond to the content of that particular table. Links to detailed information related to each topic appear in the corresponding Notes sections that follow each table.

Therefore, each individual project phase table may be used either as a “stand-alone” document or as the set of tables. Note, however, that the responsibilities listed in the General table ([Table B](#)) may still need to be referred to along with some of the project phase tables, where indicated.

VERSION HISTORY

VERSION NUMBER	PUBLISHED DATE	DESCRIPTION OF CHANGES
1.0	August 23, 2022	Initial version.

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TABLE A: OVERVIEW AND DEFINITIONS

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>“Practitioners” are the professionals who are typically involved in a forest road project. This column describes the roles, responsibilities, and qualifications of Practitioners.</p> <p>Practitioners include:</p> <ul style="list-style-type: none"> • Coordinating Members (CM) [Note A1]; and • Specialists [Note A2] and other Members [Note A3]. <p>Practitioners are typically registrants of Engineers and Geoscientists British Columbia (Engineers and Geoscientists BC) or the Association of British Columbia Forest Professionals (ABCFFP) who are responsible for overall project professional work or individual phase preparation.</p> <p>These include:</p> <ul style="list-style-type: none"> • professional engineers; • professional licensees engineering; • professional foresters; and • registered forest technologists. <p>Other professional specialists may be consulted by the CM, including registrants of the College of Applied Biologists.</p> <p>For any project, there must be a CM who takes professional responsibility for the professional work; however, the role of CM may be transferred or handed off as necessary, where more than one CM is needed during the lifespan of the project. If a transfer of professional responsibility is needed, it should be documented using the CM Transfer of Professional Responsibility Statement – Forest Roads [Note A4].</p>	<p>“Road Operators” are authorized in respect of a road under the <i>Forest Planning and Practices Regulation</i> (FPPR) [Note A5], and may include the following:</p> <ul style="list-style-type: none"> • Tenure holders, forest licensees, timber sale licence (TSL) holders, woodlot holders, or other industrial users. • BC Timber Sales (BCTS). <ul style="list-style-type: none"> – For forest service roads operated and maintained by BCTS where no TSL holder has been assigned the responsibility for maintenance, BCTS is defined as a Road Operator. – Where BCTS has provided a road design to a TSL holder, and the TSL holder is implementing that design, BCTS must provide for a CM during the preparation of the design and ensure the transfer of professional responsibility to the TSL holder. The TSL holder must, in turn, provide for a CM moving forward during construction of the road. • Ministry of Forests Districts/Engineering Branch. <p>For forest service roads operated and maintained by Ministry of Forests districts where no industrial user has been assigned responsibility for maintenance, the Ministry of Forests district is defined as a Road Operator.</p>	<p>The “Regulatory Bodies” provide regulatory oversight for registrants whose right to practice includes works on forest roads.</p> <p>For the purposes of this document:</p> <ul style="list-style-type: none"> • the primary Regulatory Bodies are Engineers and Geoscientists BC and ABCFFP, whose registrants would be the CM; registrants of either or both Regulatory Bodies would be involved in all road projects; and • other Regulatory Bodies that may provide ancillary and specialist professional guidance as needed for individual road projects. <p>These Regulatory Bodies have statutory mandates to establish, monitor, and enforce standards of practice and professional ethics. From time to time, the Regulatory Bodies publish professional practice guidelines on specific professional services or activities where additional guidance is necessary.</p>	<p>The Ministry of Forests (or “Ministry”) develops and enforces adherence to legislation and regulations that govern the construction of forest roads by the Road Operators.</p> <p>Note that:</p> <ul style="list-style-type: none"> • for forest service roads operated by BCTS, where a TSL holder has been assigned the responsibility for maintenance, BCTS is defined as “Government”; and • for forest service roads operated by Ministry of Forests districts where an industrial user has been assigned the responsibility for maintenance, the Ministry of Forests district is defined as “Government.”

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NOTES

NOTE NO.	DESCRIPTION	SOURCE	SECTION / PAGE NO.	LINK
A-1	Definition of “Coordinating Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
A-2	Definition of “Specialist”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
A-3	Definition of “Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
A-4	CM Transfer of Professional Responsibility Statement – Forest Roads	This document	Attachment 1	Attachment 1: Assurance Statements
A-5	Definition of “Authorized in respect of a road”	<i>Forest Planning and Practices Regulation</i>	Section 1	https://www.bclaws.gov.bc.ca/civix/document/id/complete/statreg/14_2004#section1

ABBREVIATIONS AND ACRONYMS

ABBREVIATION	TERM	ABBREVIATION	TERM
ABC FP	Association of BC Forest Professionals	CM	Coordinating Member
BC	British Columbia	TSL	Timber sale licence
BCTS	BC Timber Sales		

REGULATIONS AND REFERENCES

Forest and Range Practices Act, [SBC 2002], Chapter 69.

Forest and Range Practices Act, Forest Planning And Practices Regulation, B.C. Reg. 14/2004.

Engineers and Geoscientists British Columbia and Association of British Columbia Forest Professionals (ABC FP). 2012. Joint Professional Practice Guidelines – Guidelines for Professional Services in the Forest Sector – Forest Roads. June 2012. Burnaby, BC: Engineers and Geoscientists BC and ABC FP. [accessed: 2022 Mar 02]. <https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Document/01525AMW5METJUAIYWUNH2S4DZCHLUH5UF/Professional%20Services%20in%20the%20Forest%20Sector%20-%20Forest%20Roads>.

TABLE B: PROJECT PHASE – GENERAL

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>The Coordinating Member (CM) [Note B1] is responsible for:</p> <ul style="list-style-type: none"> delivering professional work in accordance with legislation, professional bylaws, and codes of ethics, including documentation requirements [Note B2]; carrying out works [Note B3] in a manner consistent with Regulatory Bodies' practice guidelines; considering user safety and other resources at risk due to the road; coordinating or carrying out the professional work and its documentation as required for a road project; engaging qualified Specialists [Note B4] and other Members [Note B5], and assigning tasks to the Specialists and other Members, as required; and completing and authenticating (signing and sealing) the appropriate Road Project Assurance Statement [Note B6] and CM Transfer of Professional Responsibility Statement [Note B7], where applicable. <p>Specialists [Note B4] and other Members [Note B5] are responsible for:</p> <ul style="list-style-type: none"> obtaining relevant project information from the CM, and carrying out the specific duties and tasks that have been assigned to the Specialist by the CM; and authenticating (signing and sealing) output documents (where appropriate) to demonstrate professional responsibility for their work. <p>Non-registrant specialists cannot undertake work that is the reserved practice of professional engineering or forestry. Non-registrants may work under the direct supervision of registrants where appropriate.</p>	<p>Road Operators are responsible for:</p> <ul style="list-style-type: none"> assigning or retaining a CM to coordinate and carry out professional works on forest roads; clarifying the roles and responsibilities of each Member, including the CM and Specialists, and their reporting relationships, at the outset of the project; providing a project framework and working with professionals to comply with statutory requirements and best practices for road planning, layout, design, construction, inspection and maintenance, and deactivation; obtaining approvals, licenses, and permits; directing their own employees to appropriately provide professional services and/or oversight of external professionals, from project inception to completion (project tracking); including details of acceptable practices and applications of professional works in contracts with outside professionals; ensuring the project documents, including those for field reviews and design reviews, are completed and provided by the CM [Note B8]; ensuring project professionals possess the necessary skills to coordinate a project or carry out portions of the project; ensuring Assurance Statements are completed and signed off; and reviewing, accepting, and integrating the products of professional work. 	<p>The Association of British Columbia Forest Professionals (ABCFFP) is responsible for:</p> <ul style="list-style-type: none"> regulating the practice of professional forestry in accordance with the <i>Professional Governance Act</i> (the Act) [Note B9] and the <i>Forest Professionals Regulation</i> [Note B10], which defines the practice of professional forestry and stipulates the requirements of a registrant of the ABCFFP for carrying out professional forestry; governing the registrants of ABCFFP in accordance with the Act and the <i>Forest Professionals Regulation</i>; and establishing and enforcing bylaws [Note B11] that include: <ul style="list-style-type: none"> requirements for signing and sealing of professional work; a code of ethics (defined principles and rules of conduct for all Members); and professional practice standards (dealing with competence, independence, integrity, due diligence, and stewardship). <p>Engineers and Geoscientists British Columbia (Engineers and Geoscientists BC) is responsible for:</p> <ul style="list-style-type: none"> establishing, monitoring, and enforcing standards of engineering practice in accordance with the <i>Professional Governance Act</i> [Note B9] and the <i>Engineers and Geoscientists Regulation</i> [Note B12], which defines the practices of professional engineering and professional geoscience, and stipulates the requirement to be a registrant of Engineers and Geoscientists BC to carry out such professional work; and establishing and enforcing bylaws [Note B13] that include items of professional practice, such as: <ul style="list-style-type: none"> a code of ethics (that provides defined principles and rules of conduct for all Members, including the undertaking of professional assignments only when qualified by training or experience); and quality management standards. 	<p>The Ministry of Forests is responsible for:</p> <ul style="list-style-type: none"> administering legislation and regulations respecting applications to forest roads (<i>Forest and Range Practices Act</i>, Section 22 [Note B14]) and compliance with plans [Note B15]; reviewing project proponents' adherence to the legislation and regulations, and enforcing penalties and mitigation for non-compliance; developing documents, policy, and guidelines to apply to Ministry staff carrying out professional works or oversight of such works on its road projects; and preparing and delivering training on documents, policy, and guidelines for Ministry staff.

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Table B: Project Phase – General, continued

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
		Other Regulatory Bodies are responsible for: <ul style="list-style-type: none"> regulating the practices of their registrants. 	

NOTES

NOTE NO.	DESCRIPTION	SOURCE	SECTION / PAGE NO.	LINK
B-1	Definition of “Coordinating Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
B-2	Quality Management	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 5.1 Page 21	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
B-3	Skill Sets	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 6.0 Page 23	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
B-4	Definition of “Specialist”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
B-5	Definition of “Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
B-6	Road Project Assurance Statement	This document	Attachment 1	Attachment 1: Assurance Statements
B-7	CM Transfer of Professional Responsibility Statement	This document	Attachment 1	Attachment 1: Assurance Statements
B-8	Drawings	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 4.5.2 Page 16	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
B-9	“General duty and responsibilities of regulatory bodies”	<i>Professional Governance Act</i>	Section 22	https://www.bclaws.gov.bc.ca/civix/document/id/complete/statreg/18047#section22
B-10	Definition of “practice of professional forestry”	<i>Forest Professionals Regulation</i>	Section 1	https://www.bclaws.gov.bc.ca/civix/document/id/complete/statreg/15_2021
B-11	Bylaws	ABCFFP	Bylaw 9	https://abccfp.ca/web/ABCFFP/ABCFFP/Governance/Bylaws-2021/Bylaw-9-Standards-of-Ethical-and-Professional-Conduct.aspx
B-12	Definition of “practice of professional engineering” and “practice of professional geoscience”	<i>Engineers and Geoscientists Regulation</i>	Section 2	https://www.bclaws.gov.bc.ca/civix/document/id/complete/statreg/14_2021#section2
B-13	Bylaws	Engineers and Geoscientists BC	Section 7	https://www.egbc.ca/getmedia/ff95a29b-64f6-49c8-8000-e98c8479248e/Engineers-and-Geoscientists-BC-Bylaws.pdf.aspx
B-14	“Application”	<i>Forest and Range Practices Act</i>	Part 3, Division 2, Section 22	http://www.bclaws.ca/civix/document/id/complete/statreg/02069_01#section22

Table B: Project Phase – General, continued

NOTE NO.	DESCRIPTION	SOURCE	SECTION / PAGE NO.	LINK
B-15	"Compliance with Plans"	<i>Forest and Range Practices Act</i>	Part 3, Division 1, Section 21	http://www.bclaws.ca/civix/document/id/complete/statreg/02069_01#section21

ABBREVIATIONS AND ACRONYMS

ABBREVIATION	TERM	ABBREVIATION	TERM
ABCFFP	Association of BC Forest Professionals	CM	Coordinating Member
BC	British Columbia		

REGULATIONS AND REFERENCES

Forest and Range Practices Act, [SBC 2002], Chapter 69.

Professional Governance Act, [SBC 2018], Chapter 47

Professional Governance Act, Engineers and Geoscientists Regulation, B.C. Reg. 14/2021.

Professional Governance Act, Forest Professionals Regulation, B.C. Reg. 15/2021.

Engineers and Geoscientists British Columbia and Association of British Columbia Forest Professionals (ABCFFP). 2012. Joint Professional Practice Guidelines – Guidelines for Professional Services in the Forest Sector – Forest Roads. June 2012. Burnaby, BC: Engineers and Geoscientists BC and ABCFFP. [accessed: 2022 Mar 02]. <https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Document/01525AMW5METJUAIYWUNH2S4DZCHLUH5UF/Professional%20Services%20in%20the%20Forest%20Sector%20-%20Forest%20Roads>.

TABLE C: PROJECT PHASE – ROAD PLANNING AND LAYOUT

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>In addition to the responsibilities detailed in the General section (Table B), Practitioners have the following responsibilities.</p> <p>The Coordinating Member (CM) [Note C1] is responsible for:</p> <ul style="list-style-type: none"> ensuring conformance with plans such as the Forest Stewardship Plan (FSP) and site plan, under the <i>Forest and Range Practices Act</i> and the <i>Forest Act</i>; ensuring approvals, licenses, and permits have been obtained by the Road Operator; ensuring other users are contacted and potential forest practice impacts are considered (e.g., water licences); ensuring other legislation and regulations related to the road have been considered, and plans and procedures are consistent with those statutes, regulations, and policies (e.g., <i>WorkSafeBC</i>, <i>Water Sustainability Act</i>, fish habitat, archaeological); locating the road, selecting an optimal location that: <ul style="list-style-type: none"> meets operational needs, including the design alignment speed; meets safety requirements; meets regulatory requirements for protection of the environment and other resources; satisfies risk management objectives; and meets objectives that may have been set through other planning processes (e.g., forest management plans, watershed management strategies, community forests). ensuring Specialists [Note C2] and other Members [Note C3] are engaged as necessary. 	<p>In addition to the responsibilities detailed in the General section (Table B), Road Operators are responsible for:</p> <ul style="list-style-type: none"> ensuring plans, such as FSPs and site plans, are signed off and made available to the practitioners; and ensuring planning and layout documentation is obtained and retained. 	<p>No additional responsibilities beyond those detailed in the General section (Table B).</p>	<p>In addition to the responsibilities detailed in the General section (Table B), the Ministry of Forests is responsible for:</p> <ul style="list-style-type: none"> providing for compliance and enforcement of legislation and regulations related to the planning and layout of roads. <p style="text-align: right;"><i>Continued...</i></p>

Table C: Project Phase – Road Planning and Layout, continued

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>Specialists [Note C2] and other Members [Note C3] are responsible for carrying out specific duties assigned to them by the CM, which may include:</p> <ul style="list-style-type: none"> • completing a desktop review of the proposed road alignment; • carrying out reconnaissance surveys and field-marking the proposed location; • evaluating potential safety issues affecting the public, the environment, and road users (e.g. landslides, rockfalls, avalanches, karst features, dangerous trees); • assessing terrain-related concerns for road construction, such as slope stability, gullies, fans, floodplains, erosion, or avalanches; • assessing the need for earth-retaining structures; • identifying fish habitat and other environmental constraints; • assessing the need for stream crossings; and • identifying other forest and non-forest resources (e.g., archaeological sites or cultural heritage resources). <p>Non-registrant specialists cannot undertake work that is the reserved practice of professional engineering or forestry. Non-registrants may work under the direct supervision of registrants where appropriate.</p>			

NOTES

NOTE NO.	DESCRIPTION	SOURCE	SECTION / PAGE NO.	LINK
C-1	Definition of “Coordinating Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional-Services-in-the-Forest-Sector - Forest Roads
C-2	Definition of “Specialist”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional-Services-in-the-Forest-Sector - Forest Roads
C-3	Definition of “Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional-Services-in-the-Forest-Sector - Forest Roads

ABBREVIATIONS AND ACRONYMS

ABBREVIATION	TERM	ABBREVIATION	TERM
CM	Coordinating Member	FSP	Forest Stewardship Plan

REGULATIONS AND REFERENCES

Forest Act, [RSBC 1996], Chapter 157.

Forest and Range Practices Act, [SBC 2002], Chapter 69.

Water Sustainability Act, [SBC 2014], Chapter 15.

Engineers and Geoscientists British Columbia and Association of British Columbia Forest Professionals (ABC FP). 2012. Joint Professional Practice Guidelines – Guidelines for Professional Services in the Forest Sector – Forest Roads. June 2012. Burnaby, BC: Engineers and Geoscientists BC and ABCFP. [accessed: 2022 Mar 02]. <https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Document/01525AMW5METJUAIYWUNH2S4DZCHLUH5UF/Professional%20Services%20in%20the%20Forest%20Sector%20-%20Forest%20Roads>.

TABLE D: PROJECT PHASE – ROAD SURVEY AND DESIGN

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>In addition to the responsibilities detailed in the General section (Table B), Practitioners have the following responsibilities.</p> <p>The Coordinating Member (CM) [Note D1] is responsible for:</p> <ul style="list-style-type: none"> • determining whether the road is either a basic one or a complex one [Note D2]; • choosing the survey methods and instrumentation based on the accuracy and type of data required to facilitate the planning and design of the road; • ensuring that suitable survey work has been carried out <ul style="list-style-type: none"> – to avoid encroachment on resource features or private property, or at approaches to stream crossings, – where information is required to facilitate geometric design or design through unstable terrain, – where control of road geometry is necessary to achieve stable cuts, fills, or specialized designs, – where control of vertical or horizontal alignment is critical to meet design criteria for the proposed alignment speed and other grade or curvature limitations, such as in steep or irregular terrain, – where material movements must be accurately controlled/measured during construction, or – where regulatory requirements exist; and • ensuring that the road design <ul style="list-style-type: none"> – has been developed with the optimal road geometry to accommodate the design vehicle configuration for load and alignment and for traffic volume, and to provide for user safety, and – has been developed to provide for protection of the environment, limit impacts on other resources, and strives to limit the cost of construction, transportation, maintenance, and deactivation. <p>Specialists [Note D3] may be required to carry out the design of elements by providing specialized prescriptions for difficult and complex [Note D2]</p>	<p>In addition to the responsibilities detailed in the General section (Table B), Road Operators are responsible for:</p> <ul style="list-style-type: none"> • ensuring that survey and design documentation is completed and provided by the CM. 	<p>No additional responsibilities beyond those detailed in the General section (Table B).</p>	<p>In addition to the responsibilities detailed in the General section (Table B), the Ministry of Forests is responsible for:</p> <ul style="list-style-type: none"> • providing for compliance and enforcement of legislation and regulations related to the survey and design of roads.

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Table F: Project Phase – Construction, continued

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>terrain or soils, or for engineered structures, such as bridges, major culverts, or retaining walls [Note D4]. Specialists, along with other Members [Note D5], are responsible for carrying out works assigned by the CM with respect to:</p> <ul style="list-style-type: none"> road surveys, site plans, and other related tasks. <p>Non-registrant specialists cannot undertake work that is the reserved practice of professional engineering or forestry. Non-registrants may work under the direct supervision of registrants where appropriate.</p>			

NOTES

NOTE NO.	[CODE] DESCRIPTION	SOURCE	SECTION / PAGE NO.	LINK
D-1	Definition of “Coordinating Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
D-2	Complexity	Guidelines for Professional Services in the Forest Sector – Forest Roads	Appendix 3 Page 33	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
D-3	Definition of “Specialist”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
D-4	Specialist Input	Guidelines for Professional Services in the Forest Sector – Forest Roads	Appendix 3 Page 34	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
D-5	Definition of “Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads

ABBREVIATIONS AND ACRONYMS

ABBREVIATION	TERM	ABBREVIATION	TERM
CM	Coordinating Member		

REGULATIONS AND REFERENCES

Forest and Range Practices Act, [SBC 2002], Chapter 69.

Forest and Range Practices Act, Forest Planning And Practices Regulation, B.C. Reg. 14/2004.

Engineers and Geoscientists British Columbia and Association of British Columbia Forest Professionals (ABCFFP). 2012. Joint Professional Practice Guidelines – Guidelines for Professional Services in the Forest Sector – Forest Roads. June 2012. Burnaby, BC: Engineers and Geoscientists BC and ABCFFP. [accessed: 2022 Mar 02]. <https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Document/01525AMW5METJUAIYWUNH2S4DZCHLUH5UF/Professional%20Services%20in%20the%20Forest%20Sector%20-%20Forest%20Roads>.

TABLE E: PROJECT PHASE – ROAD PLANS

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>In addition to the responsibilities detailed in the General section (Table B), Practitioners have the following responsibilities.</p> <p>The Coordinating Member (CM) [Note E1] is responsible for:</p> <ul style="list-style-type: none"> documentation of the road design, including the design and construction standards (i.e., standard operating procedures [SOPs] for basic road sections, and integration of Specialist procedures for complex roads [Note E2]), road layout, surveys, and geometric road design, to provide sufficient information and instruction <ul style="list-style-type: none"> – to enable construction of the road in conformity to the road plan; and – as required, for future maintenance and deactivation. Authenticating (signing and sealing) the road plan, to confirm that <ul style="list-style-type: none"> – the road standard is appropriate for the intended road type, road life, and use; – the road layout and design has been reviewed by the CM and is appropriate; – Specialist assessments or designs have been obtained where needed (e.g., terrain stability assessments [TSAs], crossing designs, engineered structures), and the assessments or designs recommended by the Specialists have been either incorporated into the design or referenced and provided as separate documents; and – the Specialist’s work provides suitable input for road construction. <p>Specialists [Note E3] and other Members [Note E4] are responsible for carrying out works assigned by the CM with respect to:</p> <ul style="list-style-type: none"> road assessments and designs (e.g., TSAs, crossing designs, and engineered structures), and other tasks that may have been assigned to them by the CM; and 	<p>In addition to the responsibilities detailed in the General section (Table B), Road Operators are responsible for:</p> <ul style="list-style-type: none"> ensuring that assessments and road design documentation are completed and provided by the CM. 	<p>No additional responsibilities beyond those detailed in the General section (Table B).</p>	<p>In addition to the responsibilities detailed in the General section (Table B), the Ministry of Forests is responsible for:</p> <ul style="list-style-type: none"> providing for compliance and oversight of legislation and regulations related to the preparation of road plans.

Continued...

Table F: Project Phase – Construction, continued

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<ul style="list-style-type: none"> ensuring independent reviews or peer reviews of professional work are completed as required [Note E5]. <p>Non-registrant specialists cannot undertake work that is the reserved practice of professional engineering or forestry. Non-registrants may work under the direct supervision of registrants where appropriate.</p>			

NOTES

NOTE NO.	[CODE] DESCRIPTION	SOURCE	SECTION / PAGE NO.	LINK
E-1	Definition of “Coordinating Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
E-2	Complexity	Guidelines for Professional Services in the Forest Sector – Forest Roads	Appendix 3 Page 33	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
E-3	Definition of “Specialist”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
E-4	Definition of “Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
E-5	Peer review	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 5.3 Page 22	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads

ABBREVIATIONS AND ACRONYMS

ABBREVIATION	TERM	ABBREVIATION	TERM
CM	Coordinating Member	TSA	Terrain Stability Assessment

REGULATIONS AND REFERENCES

Forest and Range Practices Act, [SBC 2002], Chapter 69.

Forest and Range Practices Act, Forest Planning And Practices Regulation, B.C. Reg. 14/2004.

Engineers and Geoscientists British Columbia and Association of British Columbia Forest Professionals (ABCFFP). 2012. Joint Professional Practice Guidelines – Guidelines for Professional Services in the Forest Sector – Forest Roads. June 2012. Burnaby, BC: Engineers and Geoscientists BC and ABCFFP. [accessed: 2022 Mar 02]. <https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Document/01525AMW5METJUAIYWUNH2S4DZCHLUH5UF/Professional%20Services%20in%20the%20Forest%20Sector%20-%20Forest%20Roads>.

TABLE F: PROJECT PHASE – CONSTRUCTION

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>In addition to the responsibilities detailed in the General section (Table B), Practitioners have the following responsibilities:</p> <p>The Coordinating Member (CM) [Note F1] is responsible for:</p> <ul style="list-style-type: none"> determining whether standard operating procedures (SOPs) are required for basic road sections [Note F2]; identifying what field reviews are required and what notification should be given to allow the field reviews to be carried out; ensuring that required field reviews are completed by qualified personnel, including <ul style="list-style-type: none"> where the CM is a registrant, either conducting, or ensuring someone under their direct supervision conducts, required field reviews; when conditions have changed during construction, either <ul style="list-style-type: none"> taking responsibility for any changes needed to the road plan, and obtaining input from appropriate Specialists when changed conditions warrant, or contacting the CM who prepared the road plan to inform the CM of the changed conditions, obtain instruction on required changes to the road plan, and ensure the original CM takes responsibility for the changes; ensuring that all of the Specialists' reviews have been completed and documented, and that associated construction conformance statements that may be required for particular aspects of the construction have been obtained; and preparing and authenticating (signing and sealing) a construction conformance statement or the Road Project Assurance Statement [Note F3], to confirm that the completed works generally conform to the intent of the road plan, and that an appropriate level of professional services has been provided. 	<p>In addition to the responsibilities detailed in the General section (Table B), Road Operators are responsible for:</p> <ul style="list-style-type: none"> ensuring that suitable notice is provided for road construction in a community watershed [Note F6]; providing any Standard Operating Procedures that that are proposed to be used, and have been developed or reviewed and approved by the CM, for routine road construction practices; ensuring that the CM authenticates (signs and seals) a Road Project Assurance Statement [Note F3] for the construction; and ensuring that record (as-built) drawings, as well as other relevant construction documentation, are completed and provided by the CM. 	<p>No additional responsibilities beyond those detailed in the General section (Table B).</p>	<p>In addition to the responsibilities detailed in the General section (Table B), the Ministry of Forests is responsible for:</p> <ul style="list-style-type: none"> providing for compliance and enforcement of legislation and regulations related to the construction of roads.

Continued...

Table G: Project Phase – Road Use, Inspection, and Maintenance, continued

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>Specialists [Note F4] and other Members [Note F5] are responsible for carrying out works assigned by the CM with respect to:</p> <ul style="list-style-type: none"> • project management; • quality control; • quality assurance; • contract administration; and • construction supervision and/or field reviews. <p>Non-registrant specialists cannot undertake work that is the reserved practice of professional engineering or forestry. Non-registrants may work under the direct supervision of registrants where appropriate.</p>			

NOTES

NOTE NO.	[CODE] DESCRIPTION	SOURCE	SECTION / PAGE NO.	LINK
F-1	Definition of “Coordinating Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
F-2	Basic Road Sections	Guidelines for Professional Services in the Forest Sector – Forest Roads	Appendix 3 Page 33	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
F-3	Road Project Assurance Statement	This document	Attachment 1	Attachment 1: Assurance Statements
F-4	Definition of “Specialist”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
F-5	Definition of “Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
F-6	Notice – Road in a community watershed	Forest Planning and Practices Regulation	Section 84	https://www.bclaws.ca/civix/document/id/complete/statreg/14_2004#section84

ABBREVIATIONS AND ACRONYMS

ABBREVIATION	TERM	ABBREVIATION	TERM
CM	Coordinating Member		

REGULATIONS AND REFERENCES

Forest and Range Practices Act, [SBC 2002], Chapter 69.

Forest and Range Practices Act, Forest Planning And Practices Regulation, B.C. Reg. 14/2004.

Engineers and Geoscientists British Columbia and Association of British Columbia Forest Professionals (ABCFP). 2012. Joint Professional Practice Guidelines – Guidelines for Professional Services in the Forest Sector – Forest Roads. June 2012. Burnaby, BC: Engineers and Geoscientists BC and ABCFP. [accessed: 2022 Mar 02]. <https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Document/01525AMW5METJUAIYWUNH2S4DZCHLUH5UF/Professional%20Services%20in%20the%20Forest%20Sector%20-%20Forest%20Roads>.

TABLE G: PROJECT PHASE – ROAD USE, INSPECTION, AND MAINTENANCE

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>In addition to the responsibilities detailed in the General section (Table B), Practitioners have the following responsibilities:</p> <p>The Coordinating Member (CM) [Note G1] is responsible for:</p> <ul style="list-style-type: none"> ensuring that periodic road inspections are scheduled and carried out by qualified individuals, including Specialists [Note G2] where necessary, and capture all elements impacting safe use of a road (e.g., engineered structures, such as bridges, major culverts, and retaining walls); if the CM takes professional responsibility for the inspection, ensuring the inspection is conducted under the CM's direct supervision; ensuring an annual Road Maintenance Plan is completed and considers or includes <ul style="list-style-type: none"> the original or amended planning objectives, including intended road use, existing road conditions, and safety and environmental considerations, the dates and details of road inspections, any proposed remedial measures for roads and engineered structures (such as bridges, major culverts, and retaining walls), including those specified by Specialists or by reference to standard operating procedures (SOPs), requirements for field reviews and professional signoff where required, and documentation and tracking of work that has been completed and work that remains outstanding; preparing, or reviewing and approving, any SOPs that are proposed to be used for road maintenance works under the CM's professional responsibility; and 	<p>In addition to the responsibilities detailed in the General section (Table B), Road Operators are responsible for:</p> <ul style="list-style-type: none"> preparing a service (implementation) plan, including the required levels of inspection, that describes the maintenance work to be carried out for those roads for which the Road Operator is responsible for inspection and maintenance; ensuring that a CM is assigned the responsibility for developing and implementing a Road Maintenance Plan consistent with that service plan; providing any SOPs that are proposed to be used, and have been developed or reviewed and approved by the CM, for routine road maintenance practices; ensuring that inspections and remedial works on roads are scheduled and carried out; and ensuring that inspection and maintenance documentation is obtained and retained. 	<p>No additional responsibilities beyond those detailed in the General section (Table B).</p>	<p>In addition to the responsibilities detailed in the General section (Table B), the Ministry of Forests is responsible for:</p> <ul style="list-style-type: none"> providing for compliance and enforcement of legislation and regulations related to the inspection and maintenance of roads. <p style="text-align: right;"><i>Continued...</i></p>

Table G: Project Phase – Road Use, Inspection, and Maintenance, continued

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<ul style="list-style-type: none"> preparing and authenticating (signing and sealing) the Road Project Assurance Statement [Note G3], to confirm preparation of an annual Road Maintenance Plan and completion of the inspection works in accordance with and at the conclusion of that plan. <p>Specialists [Note G2] and other Members [Note G4] are responsible for carrying out works assigned by the CM with respect to:</p> <ul style="list-style-type: none"> road inspections; preparing a Road Maintenance Plan; providing remedial measures for roads and engineering structures; and providing field reviews and/or input into complex [Note G5] road element inspection or maintenance projects and repairs to engineered structures. <p>Non-registrant specialists cannot undertake work that is the reserved practice of professional engineering or forestry. Non-registrants may work under the direct supervision of registrants where appropriate.</p>			

NOTES

NOTE NO.	DESCRIPTION	SOURCE	SECTION / PAGE NO.	LINK
G-1	Definition of “Coordinating Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional-Services-in-the-Forest-Sector-Forest-Roads
G-2	Definition of “Specialist”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional-Services-in-the-Forest-Sector-Forest-Roads
G-3	Road Project Assurance Statement	This document	Attachment 1	Attachment 1: Assurance Statements
G-4	Definition of “Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional-Services-in-the-Forest-Sector-Forest-Roads
G-5	Complexity	Guidelines for Professional Services in the Forest Sector – Forest Roads	Appendix 3 Page 33	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional-Services-in-the-Forest-Sector-Forest-Roads

ABBREVIATIONS AND ACRONYMS

ABBREVIATION	TERM	ABBREVIATION	TERM
CM	Coordinating Member	SOP	Standard Operating Procedure

REGULATIONS AND REFERENCES

Forest and Range Practices Act, [SBC 2002], Chapter 69.

Forest and Range Practices Act, Forest Planning And Practices Regulation, B.C. Reg. 14/2004.

Engineers and Geoscientists British Columbia and Association of British Columbia Forest Professionals (ABC FP). 2012. Joint Professional Practice Guidelines – Guidelines for Professional Services in the Forest Sector – Forest Roads. June 2012. Burnaby, BC: Engineers and Geoscientists BC and ABCFP. [accessed: 2022 Mar 02]. <https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Document/01525AMW5METJUAIYWUNH2S4DZCHLUH5UF/Professional%20Services%20in%20the%20Forest%20Sector%20-%20Forest%20Roads>.

TABLE H: PROJECT PHASE – ROAD DEACTIVATION

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>In addition to the responsibilities detailed in the General section (Table B), Practitioners have the following responsibilities:</p> <p>The Coordinating Member (CM) [Note H1] is responsible for:</p> <ul style="list-style-type: none"> • preparing, or reviewing and approving, any standard operating procedures (SOPs) that are proposed to be used for road deactivation works under the CM’s professional responsibility; • preparing a Road Deactivation Plan for those roads determined to be suitable for deactivation by the Road Operator, that provides for stabilizing the road prism, removing drainage structures, protecting the environment, and limiting erosion, and that considers or includes <ul style="list-style-type: none"> – dates and details of road deactivation works, – proposed deactivation measures for roads and engineered structures, including those specified by Specialists, or by reference to SOPs, and – requirements for field reviews and professional signoff where required; • ensuring required field reviews are completed at an appropriate frequency and documented by appropriately qualified personnel; • tracking of work that has been completed; • coordinating road deactivation with any Specialist [Note H2] for dealing with complex [Note H3] roads and engineered structures (such as crossing or retaining wall removal requirements); and • preparing and authenticating (signing and sealing) the Road Project Assurance Statement [Note H4], to confirm preparation of a Road Deactivation Plan and completion of the deactivation works in accordance with that plan. 	<p>In addition to the responsibilities detailed in the General section (Table B), Road Operators are responsible for:</p> <ul style="list-style-type: none"> • determining which roads should be deactivated, which is normally based upon future operational needs and recommendations of the CM with respect to risk, cost-benefit considerations, and silvicultural objectives; • ensuring that a CM is assigned the responsibility for developing and implementing a Road Deactivation Plan, and understanding the scope of work required, including the number of field reviews; • ensuring that suitable notice is provided for road deactivation in a community watershed [Note H6]; • providing any SOPs that are proposed to be used, and have been developed or reviewed and approved by the CM, for routine road deactivation practices; • ensuring that deactivation works on roads are scheduled and carried out; • ensuring that signs are posted during deactivation works, to warn users of potential hazards; and • ensuring that deactivated roads are suitably barricaded in accordance with the <i>Forest Planning and Practices Regulation</i>, section 82 [Note H7] to preclude access by vehicles other than all-terrain vehicles (ATVs). 	<p>No additional responsibilities beyond those detailed in the General section (Table B).</p>	<p>In addition to the responsibilities detailed in the General section (Table B), the Ministry of Forests is responsible for:</p> <ul style="list-style-type: none"> • approving proposals to deactivate roads, cancelling or amending permits as required, and preparing the documentation on the maps to confirm that end result; and • providing for compliance and enforcement of legislation and regulations related to the deactivation of roads. <p style="text-align: right;"><i>Continued...</i></p>

Table H: Project Phase – Road Deactivation, continued

PROJECT PARTICIPANTS, REGULATORS, AND THEIR RESPECTIVE ROLES AND RESPONSIBILITIES			
PRACTITIONERS	ROAD OPERATORS	REGULATORY BODIES	GOVERNMENT / GOVERNANCE
<p>Specialists [Note H2] and other Members [Note H5] are responsible for carrying out works assigned by the CM with respect to:</p> <ul style="list-style-type: none"> providing deactivation measures for complex roads [Note H3], as well as engineered structures that require non-routine practices not found in SOPs; and providing on-site input into complex road deactivation projects, including the treatment of engineered structures. <p>Non-registrant specialists cannot undertake work that is the reserved practice of professional engineering or forestry. Non-registrants may work under the direct supervision of registrants where appropriate.</p>			

NOTES

NOTE NO.	DESCRIPTION	SOURCE	SECTION / PAGE NO.	LINK
H-1	Definition of “Coordinating Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
H-2	Definition of “Specialist”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
H-3	Complexity	Guidelines for Professional Services in the Forest Sector – Forest Roads	Appendix 3 Page 33	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
H-4	Road Project Assurance Statement	This document	Attachment 1	Attachment 1: Assurance Statements
H-5	Definition of “Member”	Guidelines for Professional Services in the Forest Sector – Forest Roads	Section 1.0 Page 1	https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Professional Services in the Forest Sector - Forest Roads
H-6	Notice – Road in a community watershed	<i>Forest Planning and Practices Regulation</i>	Section 84	https://www.bclaws.ca/civix/document/id/complete/statreg/14_2004#section84
H-7	Road deactivation	<i>Forest Planning and Practices Regulation</i>	Section 82	https://www.bclaws.ca/civix/document/id/complete/statreg/14_2004#section82

ABBREVIATIONS AND ACRONYMS

ABBREVIATION	TERM	ABBREVIATION	TERM
CM	Coordinating Member	SOP	Standard Operating Procedure

REGULATIONS AND REFERENCES

Forest and Range Practices Act, [SBC 2002], Chapter 69.

Forest and Range Practices Act, Forest Planning And Practices Regulation, B.C. Reg. 14/2004.

Engineers and Geoscientists British Columbia and Association of British Columbia Forest Professionals (ABCFP). 2012. Joint Professional Practice Guidelines – Guidelines for Professional Services in the Forest Sector – Forest Roads. June 2012. Burnaby, BC: Engineers and Geoscientists BC and ABCFP. [accessed: 2022 Mar 02]. <https://www.egbc.ca/app/Practice-Resources/Individual-Practice/Guidelines-Advisories/Document/01525AMW5METJUAIYWUNH2S4DZCHLUH5UF/Professional%20Services%20in%20the%20Forest%20Sector%20-%20Forest%20Roads>.

ATTACHMENT 1: ASSURANCE STATEMENTS

- Road Project Assurance Statement
- Coordinating Member – Transfer of Professional Responsibility Statement – Forest Roads

ROAD PROJECT ASSURANCE STATEMENT

Note: This Assurance Statement is to be completed by the Coordinating Member (CM) after completion of a project phase.

Road name and location:	Project No:	Operating Area:
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This Assurance Statement is for a project that includes (*check one*):

<input type="checkbox"/> Preparation of a road plan	<input type="checkbox"/> Preparation of a road maintenance plan and its implementation
<input type="checkbox"/> Road construction	<input type="checkbox"/> Preparation of a road deactivation plan and its implementation

This is to advise that I am the responsible **Coordinating Member (CM)** for the activities above, and I am:

- an Engineering Professional (P.Eng., P.L.Eng.), registered with Engineers and Geoscientists British Columbia; or
- a Forest Professional (RPF, RFT, Limited Licensee), registered with the Association of British Columbia Forest Professionals (ABCFFP).

I hereby give my assurance* that,

- I have led and coordinated responsibilities for the professional services associated with this project, the scope of which includes reviewing any existing Assurance Statements for earlier project activities, as well as any necessary field reviews** and reviews of office works and outputs;
- I have completed the work as required under the legislation for my profession and following the joint professional practice guidelines titled, [Guidelines for Professional Services in the Forest Sector: Forest Roads](#), as applicable to this project, and following my Regulatory Body's standards of professional and ethical practice;
- the work substantially complies in all material respects with the intent reflected in any finalized documents and assessments provided by Members or Specialists; and
- select one:
 - any significant modifications from those documents or assessments have been approved by the Member or Specialist that prepared the documents or assessments, OR (when that preparer is no longer available)
 - I take full responsibility for the modifications, and these modifications have been documented and marked on the record drawings.

Name and title of Coordinating Member (CM): (<i>print</i>)		<i>(Affix professional seal, signature, and date here; Permit to Practice number to be included if applicable)</i>
Company name and address: (<i>print</i>)		
Telephone:	Email:	

NOTES:

- * "Assurance" means that the CM has undertaken the quality management processes and/or field reviews that, in their professional judgment, are considered necessary to ascertain whether the significant aspects of the project substantially comply in all material aspects with approved plans, designs, or other documents.
- ** "Field reviews" means reviews conducted at the site of any field works undertaken by the CM, as appropriate, or a subordinate acting under the CM's direct supervision, that the CM in their professional discretion considers necessary to ascertain whether the implementation of the work substantially complies in all material respects with the intent reflected in any approved documents and assessments provided by the Ministry of Forests, Lands, Natural Resource Operations and Rural Development, other Members, or Specialists.

1. This is to advise that as of this date I am transferring my role as the **Coordinating Member (CM)**, and I am:
 - an Engineering Professional (P.Eng., P.L.Eng.), registered with Engineers and Geoscientists British Columbia; or
 - a Forest Professional (RPF, RFT, Limited Licensee), registered with the Association of British Columbia Forest Professionals (ABCFFP).
2. I am responsible for the planning and coordination of all completed/compiled professional services listed above, and I have determined that this work has been done to an acceptable standard and listed all known outstanding relevant information for this Road project up to this date, as required under the legislation and bylaws for my profession and the joint professional practice guidelines titled, [Guidelines for Professional Services in the Forest Sector: Forest Roads](#), as applicable to this project, and following my Regulatory Body’s standards of professional and ethical practice.
3. I have either:
 - provided all relevant information for the incoming CM; or
 - reviewed/discussed all of the relevant information with the incoming CM, and have transferred the information to the possession of the CM.

OUTGOING COORDINATING MEMBER		<i>(Affix professional seal, signature, and date here; Permit to Practice number to be included if applicable)</i>
Name:		
Company name and address: <i>(print)</i>		
Telephone:	Email:	

1. This is to advise that as of this date I am taking over in the capacity of the **Coordinating Member (CM)** for this project, and I am:
 - an Engineering Professional (P.Eng., P.L.Eng.), registered with Engineers and Geoscientists British Columbia; or
 - a Forest Professional (RPF, RFT, Limited Licensee), registered with the Association of British Columbia Forest Professionals (ABCFFP)
2. I have received the information listed above from the outgoing CM.

INCOMING COORDINATING MEMBER		
Name:		
Company name and address: <i>(print)</i>		
Telephone:	Email:	
Signature:	Date:	

NOTES:

* “Effective date” refers to the end date for which the outgoing Coordinating Member (CM) has taken professional responsibility for the list of relevant information.