

FOREST TECHNOLOGIST PROFESSIONAL STANDARDS

Forest Professional Regulators of Canada



FOREST PROFESSIONAL
REGULATORS OF CANADA

ORGANISME DE
RÉGLEMENTATION DES
PROFESSIONNELS
DE LA FORÊT DU CANADA

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Introduction

Professional practice standards contribute to public protection by informing the public and forest technologists of their accountabilities.

Professional practice standards* provide an overall framework for the practice of forest technologists. The standards describe, in broad terms, the professional expectations of forest technologists and apply to all forest technologists, regardless of area of practice.

Each standard includes a broad description, one or more demonstrable competencies* and multiple measures* articulating how the standard is demonstrated.

Professional practice standards are an authoritative document that sets out the legal and professional basis of the practice of forest technologists.

The standards provide the framework for forest technologist practice in Canada by:

- describing performance criteria for forest technologists,
- defining scope of practice to the public and other professionals,
- providing a framework for professional practice*, and
- providing a foundation to all aspects of the regulation of the profession including registration, practice standards and professional exams.

Forest technologists applying for registration as a professional must meet all the measures within the standards.

These standards were developed with a holistic view of the work that forest technologists undertake while looking to the future and how the breadth of the work forest technologists carry out may change as societal expectations evolve.

FPRC recognizes that a broad variety of user groups, First Nations and/or Indigenous groups have vested interests in the forest as an ecosystem and that a broad variety of values are identified with forest resource utilization and intrinsic attributes.

Specific examples of industry tools are not provided in the measures as it is recognized that different tools may be developed and implemented over time.

Who is a Forest Technologist?

A forest technologist, as a practitioner of forest management, has:

- the background to research, select, design, supervise, and apply different methodologies, technical procedures, and equipment options required to complete assigned tasks given environmental conditions and project objectives,
- completed a two to three year diploma, advanced diploma or applied degrees (or equivalent) in forestry or related natural resources,
- completed sufficient hours in order to satisfy the measures within these standards, which has typically meant programs of 1800 to 2500 instructional hours.

Typical Duties May Include:

- Supervise forest inventory surveys and field measurements,
- Prepare operational management plans and related activities,
- Make operational decisions,
- Coordinate field activities,
- Implement silviculture programs,
- Analyze and report on data,
- Monitor resource management,
- Communicate and coordinate activities with other qualified professionals, individuals, and groups.

FPRC recognizes these standards are relevant at the time of adoption and the demonstrable competencies and measures may change in the future and will be adjusted accordingly.

Indigenous Acknowledgement

The Forest Professional Regulators of Canada acknowledge that its member organizations and registrants work and reside in the ancestral lands and territories of First Nations, Inuit, and Métis peoples across Canada.

The standards incorporate the recognition of Indigenous rights and titles and the expectation of skills forest technologists must have in order to effectively respect and honour those rights and titles.

Where measures identify Indigenous measures, a forest technologist would be applying or incorporating information that has been provided by Indigenous peoples / communities.

Structure

All standards have equal importance and are interconnected.

The professional practice standards articulate the knowledge, skills, attitudes, and values that are required by forest technologists in professional practice. The standards describe what each forest technologist is responsible and accountable for in their practice.

Each standard includes one or more demonstrable competencies (DC) and measures that indicate how the competency must be demonstrated.

A demonstrable competency is a comprehensive statement of the nature of the work forest technologists can do.

The demonstrable competencies and measures are written using action verbs such as “describe”, “apply”, “analyze”, “design” or “develop” as commonly found in Bloom’s Taxonomy Revised (2001)¹. The taxonomy classifies verbs into levels of complexity and specificity. The taxonomy has been used to articulate the required level of understanding and ability that forest technologists must demonstrate for each of the measures.

When a measure corresponds to a variety of skills/knowledge, footnotes are provided as guidance for users of the standards.

Measures focused specifically on Indigenous peoples' contemporary and traditional practices are coloured in orange.

1. Armstrong, P. (2010). Bloom’s Taxonomy. Vanderbilt University Center for Teaching. Retrieved June 2023 from <https://cft.vanderbilt.edu/guides-sub-pages/blooms-taxonomy/>. Retrieved from <https://cft.vanderbilt.edu/guides-sub-pages/blooms-taxonomy/>