

Fire Protection Certification Policy

CORE COMPETENCIES FOR ALL ENDORSEMENTS

Appendix 2: RFPT Competency Standards

Competencies	To demonstrate achievement of each competency you should be able to explain or describe how to:
1.0 Apply fundamental occupational skills	
1.1 Maintain a professional work ethic	<ul style="list-style-type: none"> • Assess, apply ASTTBC Code of Ethics and Practice Guidelines • Apply general principles of professionalism, diligence. • Advocate best practices. • Promote regulatory compliance. • Promote fire and life safety.
1.2 Employ effective business practices	<ul style="list-style-type: none"> • Determine liability risks and mitigating strategies. • Obtain written declarations from owners to confirm permission to enter property, structures and to conduct inspections. • Provide written quotes with fixed pricing. • Use written contracts. • Maintain insurance coverage. • Use effective office filing systems with backup.
1.3 Apply effective communication skills	<ul style="list-style-type: none"> • Attain verbal and written English literacy suited for a Canadian technical workplace. • Use communication skills to define expectations and agreements with clients and owner education. • Convey limitations of the inspection processes.
1.4 Apply math and science concepts	<ul style="list-style-type: none"> • Apply metric and imperial systems of measurement: <ul style="list-style-type: none"> ○ Calculate conversions. ○ Interpret specifications and regulatory requirements that are expressed in systems of measurement. • Apply basic math concepts including: <ul style="list-style-type: none"> ○ Decimal and percentage expressions. ○ Fractions. ○ Order of arithmetic operations. ○ Exponential functions. ○ Rounding and significant figures. ○ Algebraic equation solving.
1.5 Differentiate systems	<ul style="list-style-type: none"> • Define terminology, nomenclature in common usage for each endorsement category. • Describe types and configurations of systems ...identify purposes and function of hardware as applicable to endorsement including: <ul style="list-style-type: none"> ○ Fire and smoke alarms systems. ○ Extinguishers. ○ Emergency lighting, ○ Sprinklers.
1.6 Use equipment and tools	<p>Explain purposes, demonstrate proper selection, use, and care of tools and equipment applicable to the various endorsements:</p> <ul style="list-style-type: none"> • Hand tools. • Ladders.

Competencies	To demonstrate achievement of each competency you should be able to explain or describe how to:
	<ul style="list-style-type: none"> • Canned smoke. • Heat gun. • Electrical testing equipment: <ul style="list-style-type: none"> ○ Multimeter. ○ Voltage tick meter. ○ Battery load tester. • Pressure differential manometer (for smoke control). • Smoke detector sensitivity testers.
2.0 Work Safely	
2.1 Apply applicable OH&S regulations	<ul style="list-style-type: none"> • Outline and apply portions of the following OH&S regulations that have applicability to the personal safety of the RFPT: <ul style="list-style-type: none"> ○ Part 3 Rights and Responsibilities ○ Part 4 General Conditions ○ Part 7 Noise, Vibration and Temperature ○ Part 8 Personal Protective Clothing and Equipment ○ Part 9 Confined Spaces ○ Part 10 De-energize and lockout ○ Part 11 Fall protection ○ Part 13 Ladders, Scaffolds and Temporary Work Platforms ○ Part 19 Electrical Safety
2.2 Evaluate risks associated with worksites	<ul style="list-style-type: none"> • Identify risks to the personal safety of the RFPT and adopt strategies to eliminate or reduce those risks, including the following: <ul style="list-style-type: none"> ○ Electrical safety. ○ Gas safety. ○ Confined space. ○ Hazardous materials. ○ Driving, traffic risks, security of loads. ○ Working in vicinity of mobile equipment, manufacturing equipment, material moving equipment, conveyors, other industrial hazards. ○ Transport of dangerous goods. • Identify the purposes, proper use and adjustment, inspection and maintenance procedures for the types of PPE commonly used in the specific industry of the RFPT, including: <ul style="list-style-type: none"> ○ High visibility apparel. ○ Safety headgear. ○ Eye protection. ○ Hand protection/gloves. ○ Respiratory protection.
3.0 Test and inspect fire protection systems	
3.1 Develop a work plan	<ul style="list-style-type: none"> • Gather background information including previous inspection reports (incl. fire safety plan if applicable). • Identify types of systems, scope of work. • Select and use appropriate equipment and tools. • Consult, confirm plan with property management.

Competencies	To demonstrate achievement of each competency you should be able to explain or describe how to:
3.2 Analyse regulatory compliance	<ul style="list-style-type: none"> • Identify impact of circumventing systems (if applicable), contact authority having jurisdiction (as applicable to task). • Determine access to system components, • Identify impediments to accessing components and mitigation strategies. Access, outline, apply relevant portions of the following: <ul style="list-style-type: none"> • Occupational Health and Safety Regulation. • BC Building Code. • Fire Codes (national, provincial and local codes, standards and bylaws). Including ULC/CAN S 536. • Electrical code including section 32, 10.
4.0 Create documentation	
4.1 Produce field notes	<ul style="list-style-type: none"> • Include date, time, location, weather, and persons in attendance. • Ensure sufficient clarity to allow another competent person to understand. • Include adequate detail to support conclusions and reports.
4.2 Prepare tags	<ul style="list-style-type: none"> • Complete and affix tags as per regulatory requirements and standard practice.
4.3 Prepare a photographic record	<ul style="list-style-type: none"> • Select number of photos and orientation to record the following: <ul style="list-style-type: none"> ○ Convey understanding of the site/workplace conditions. ○ Support conclusions and recommendations. ○ Provide evidence of diligent scope of work.
4.4 Create written report	<ul style="list-style-type: none"> • Select format and scope of reports depending on regulatory reporting requirements and workplace policies/expectations (often checklist forms). • Include sufficient information to convey findings and to support recommendations and conclusions. • Include evidence such as photographs, supporting documents.