Standards for Inspection Agencies (2025)

An XRAA inspection agency must ensure it meets the following business requirements:

1. fulfilling the roles and responsibilities as outlined by BC X-Ray Safety;
    a. if applying to become an agency, confirming in writing that all roles and responsibilities will be fulfilled;
    b. having a data management system to store inspection reports for a minimum of five years; and
    c. correcting in a timely way any gaps in qualifications that are identified in an audit or by XRAA.
2. An inspection agency must ensure that their staff:
    a. understand this Program, their roles and responsibilities under the Program, and are competent to perform their role;
    b. are trained on applicable OHS legislation to the degree that is relevant to their role in the agency;
    c. only inspect x-ray equipment if they meet the inspector qualifications outlined below; and
    d. understand Part 20 of the OHS Code and the standards adopted under Part 20 of the OHS Code to the degree that is relevant for the inspections (scope of work) the staff perform.
3. The inspection agency must retain, and have available for audit, documentation of inspector qualifications for at least 5 years after the last inspection conducted by an inspector.. Examples of documentation include curriculum vitae (CV), confirmation of education (degrees, course certificates, etc.), confirmation of professional designation, confirmation of experience (e.g., letters from current or past employers verifying the type and years of experience).

Standards for Inspectors

	Education or professional designation	Required Experience
1	Qualified Medical Physicist (by the definition of COMP) certified in ● Radiation Oncology Physics ● Nuclear Medicine Physics ● Diagnostic Radiological Physics	As per accreditation standards
2	Other relevant professional designation, combined with documented training relevant to radiation protection for the equipment they will be inspecting ● Qualified Medical Physicist (by the definition of COMP) certified in Magnetic Resonance Imaging ● Professional Engineer ● Certified Industrial Hygienist ● Registered Occupational Hygienist	As per accreditation standards
3	Relevant science-based degree combined with documented training relevant to radiation protection for the equipment they will be inspecting ● Physics ● Biophysics ● Health Physics ● Medical Physics ● Nuclear Engineering ● Biomedical Engineering	Two years' full-time** experience in a relevant radiation field with supervision by an inspector meeting the qualifications of Row 1 or 2.
4	Relevant diploma of technology combined with documented training relevant to radiation protection for the equipment they will be inspecting ● Medical Radiation Technology (nuclear medicine, radiography,	Three years' full-time** experience in a relevant radiation field with supervision by an inspector

	or radiation therapy) ● Biomedical Engineering Technologist	meeting the qualifications of Row 1 or 2.
5	Radiation Safety Officer or X-ray Safety Officer training certificate combined with documented training relevant to radiation protection for the equipment they will be inspecting	Five years' full-time** experience in a relevant radiation field with supervision by an inspector meeting the qualifications of Row 1 or 2.

* An inspector meeting the qualifications of Row 1 or 2 of the table is permitted to supervise, sign off, and take responsibility for another inspector's report if the inspector meets the education/professional requirements but not the experience requirements. The inspection and report are otherwise required to adhere to the same standards.
** Part time work experience, or roles that only part of the work is relevant, will be credited based on the percentage of FTE devoted to relevant radiation work.

Exclusions

Certain categories of inspectors with inherent conflicts of interest will be excluded from accreditation testing:

- Equipment vendors, who benefit from passing results
- Repair service providers, who benefit from either passing or failing results, depending if a service contract exists and/or whether the facility or the service provider is responsible for the costs of a repair
- Employees of the equipment owner, who benefit from passing results

Approval Process

Potential inspectors will submit their CV and record of credentials for review and approval by XRAA's board in order to be added to XRAA's list of accredited inspectors. This will be accompanied by a processing and five-year renewal fee to cover costs of reviewing applications and maintaining an up-to-date list of inspectors.

Membership Fees (Inspectors)

New inspectors	$200
Renewing inspectors (5 years)	$100

Suggested Fee Schedule (Surveys)

Unit	**2025 Price**	**2026 Price**
Registration (XRAA)	$35ea* renewal $50ea new registration *PAN/CEPH/CBCT = 1 x-ray	
Standard Intra-oral	$210	
Handheld X-ray	$260	
Pan	$260	
Pan/Ceph	2 × $260 = $520	
Pan/Ceph/CBCT	$260 + $900 = $1160	

Pan/CBCT	$900	
Travel Rates	$250/hr travel time Split between the clinics on the trip Includes gas and vehicle expenses	
Per Diem (Meals and other basic expenses)	$80/day (5-8 h) $120/day (> 8 h)	
Expenses (flights, parking, hotel etc.)	At cost Split between clinics on the trip	