Recommended Standards

The following standards and related specifications were identified as the recommended approach to support the in-scope requirements. The table lists the summary with the rationale.

Standardization Requirement	Options	Choice	Rationale
Document and Image Sharing	IHE Cross-Enterprise Document Sharing - Imaging (XDS/XDS-I)	X	The IHE XDS-I.b profile specifies the use of existing standards including HL7 v2/CDA and DICOM to enable registration and sharing of images and reports. A Canadian XDS Affinity domain guide is available to support implementation of the profile.
	DICOM / HL7 v2 and Clinical Document Architecture (CDA)		
Imaging Report Format	Clinical Document Architecture (CDA) R2	X	It is the goal of the Canadian XDS Affinity domain that reports will be stored in HL7 CDA format (using the pan-Canadian header format) as these reports (a) support required metadata, and (b) can be transformed to all other formats.
	Portable Document Format (PDF)		
	DICOM SR / SC*		* Raw text based HL7 v2 ORU and DICOM SR are widely used and present in DI-R systems.
	Raw Text*		
Anatomic Region Code	Coarse Body Parts (SNOMED CT subset)	X	The DICOM CID 4 value set is very detailed and generally inconsistent with the general approach of "casting a wide net" employed when fetching content within the FEM use cases.
	Anatomic Region (DICOM Context Identifier/CID 4)		