
RAYSTATION 6

IHE-RO Integration Statement



Declaration of conformity



Complies with 93/42/EEC Medical Device Directive as amended by M1 to M5. A copy of the corresponding Declaration of Conformity is available on request.

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INTEGRATION STATEMENT

1.1 INTRODUCTION

This IHE Integration Statement is prepared and published to describe the conformance of RayStation with the IHE-RO Technical Framework. It identifies specific IHE-RO capabilities that are supported in terms of actors and integration profiles described in the technical frameworks of each domain.

Users familiar with these concepts can use Integration Statements to determine the integration of RayStation with complementary systems and what clinical and operational benefits such integration might provide. This Integration Statements is intended to be used in conjunction with the RayStation DICOM Conformance Statement.

1.2 PRODUCT VERSION

This Integration Statement is valid for RayStation 6.

1.3 ABOUT THE TESTING PROCESS

IHE provides a process for vendors to test their implementations of IHE actors and integration profiles. The IHE testing process, culminating in a multi-party interactive testing event called the Connect-a-thon, provides vendors with valuable feedback and provides a baseline indication of the conformance of their implementations. The process is not intended to independently evaluate, or ensure, product compliance. In publishing the results of the Connect-a-thon and facilitating access to vendors' IHE Integration Statements, IHE and its sponsoring organizations are in no way attesting to the accuracy or validity of any vendor's IHE Integration Statements or any other claims by vendors regarding their products.

RaySearch Laboratories has done further validation beyond the IHE-RO Connect-a-thon to ensure that RayStation conforms to applicable standards. This Integration Statement shall not be used a guarantee that RayStation will work in any environment or with any external system.

1.4 REFERENCES

Reference	Resource
DICOM	https://www.dicomstandard.org/
IHE	https://www.ihe.net/
IHE-RO	https://www.ihe.net/ihe_domains/radiation_oncology/

1.5 DEFINITIONS

Term	Meaning
CE	CE marking is a certification mark that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA)
DICOM	Digital Imaging and Communications in Medicine
EEC	European Economic Community
IHE	Integrating the Healthcare Enterprise
IHE-RO	Integrating the Healthcare Enterprise Radiation Oncology
BRT0	Basic RT Object Interoperability (IHE-RO Profile)
MMRO-II	Multi-Modality Registration in Radiation Oncology-II (IHE-RO Profile)
ARTI	Advanced RT Integration (IHE-RO Profile)

1.6 INTEGRATION STATEMENT

IHE-Integration Statement	Date	10 April 2019
Vendor	Product Name	Version
RaySearch Laboratories	RayStation	6
This product implements all transactions required in the IHE Technical Framework to support the IHE Integration Profiles, Actors and Options listed below:		
Integration Profiles Implemented	Actors Implemented	Options Implemented
BRT0	Contourer	–
MMRO-II	Registrar	–
	Registered Contourer	–
	Registered Display	–
ARTI	Basic Static Beam Producer	Bolus beam modified
	Basic Static MLC Beam Producer	Bolus beam modified
	Motorized Wedge Beam Producer	Bolus beam modified
	Hard Wedge Beam Producer	Bolus beam modified
	Virtual Wedge Beam Producer	Bolus beam modified
	Arc Beam Producer	Bolus beam modified
	MLC Arc Beam Producer	Bolus beam modified
	Step & Shoot Beam Producer	Bolus beam modified
	Sliding Window Beam Producer	Bolus beam modified
	IMAT/VMAT Beam Producer	Bolus beam modified
	Stereotactic Beam Producer	Bolus beam modified
	Stereotactic Arc Beam Producer	Bolus beam modified
	Static Electron Beam Producer	Bolus beam modified
	Basic Static Beam Consumer	Bolus beam modified
	Basic Static MLC Beam Consumer	Bolus beam modified
	Motorized Wedge Beam Consumer	Bolus beam modified
	Hard Wedge Beam Consumer	Bolus beam modified
	Virtual Wedge Beam Consumer	Bolus beam modified
	Arc Beam Consumer MLC Arc Beam Consumer	Bolus beam modified
	Conformal Arc Beam Consumer	Bolus beam modified
	Step & Shoot Beam Consumer	Bolus beam modified
	Sliding Window Beam Consumer	Bolus beam modified
	IMAT/VMAT Beam Consumer	Bolus beam modified
	Stereotactic Beam Consumer	Bolus beam modified
Stereotactic Arc Beam Consumer	Bolus beam modified	
Static Electron Beam Consumer	Bolus beam modified	

Links to Standards Conformance Statements for the Implementation		
DICOM IHE	https://www.raysearchlabs.com/product-configurations/	
Links to general information on IHE		
In North America: www.ihe.het	In Europe: www.ihe-europe.org	In Japan: www.jira-net.or.jp/ihe-j



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