

# RAYSTATION 8B

IHE-R0 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 8B.

## 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	<a href="https://www.dicomstandard.org/">https://www.dicomstandard.org/</a>
IHE	<a href="https://www.ihe.net/">https://www.ihe.net/</a>
IHE-RO	<a href="https://www.ihe.net/ihe_domains/radiation_oncology/">https://www.ihe.net/ihe_domains/radiation_oncology/</a>

## 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-II	Basic RT Object Interoperability-II (IHE-RO Profile)
MMRO-III	Multi-Modality Registration in Radiation Oncology-III (IHE-RO Profile)
TPPC	Treatment Planning – Plan Content (IHE-RO Profile)

## 1.6 INTEGRATION STATEMENT

IHE-Integration Statement	Date	10 April 2019
Vendor	Product Name	Version
RaySearch Laboratories	RayStation	8B
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-II	Contourer	–
	Dosimetric Planner	–
	Dose Displayer	–
MMR0-III	Registrar	–
	Registered Contourer	–
	Registered Display	–
	Registered Dose Display	–
TPPC	Basic Static Beam Producer	Bolus beam modifier
	MLC Static Beam Producer	Bolus beam modifier
	Motorized Wedge Beam Producer	Bolus beam modifier
	Hard Wedge Beam Producer	Bolus beam modifier
	Virtual Wedge Beam Producer	Bolus beam modifier
	Arc Beam Producer	Bolus beam modifier
	MLC Fixed Aperture Arc Beam Producer	Bolus beam modifier
	MLC Variable Aperture Arc Beam Producer	Bolus beam modifier
	Step & Shoot Beam Producer	Bolus beam modifier
	Sliding Window Beam Producer	Bolus beam modifier
	Static Electron Beam Producer	Bolus beam modifier
	Photon Applicator Beam Producer	Bolus beam modifier
	Photon Applicator Arc Beam Producer	Bolus beam modifier
	IMAT/VMAT Beam Producer	Bolus beam modifier
	Basic Static Beam Consumer	Bolus beam modifier
	MLC Static Beam Consumer	Bolus beam modifier
	Motorized Wedge Beam Consumer	Bolus beam modifier
	Hard Wedge Beam Consumer	Bolus beam modifier
	Virtual Wedge Beam Consumer	Bolus beam modifier
	Arc Beam Consumer	Bolus beam modifier
MLC Fixed Aperture Arc Beam Consumer	Bolus beam modifier	

	MLC Variable Aperture Arc Beam Consumer	Bolus beam modifier
	Step & Shoot Beam Consumer	Bolus beam modifier
	Sliding Window Beam Consumer	Bolus beam modifier
	Static Electron Beam Consumer	Bolus beam modifier
	Photon Applicator Beam Consumer	Bolus beam modifier
	Photon Applicator Arc Beam Consumer	Bolus beam modifier
	IMAT/VMAT Beam Consumer	Bolus beam modifier
<b>Links to Standards Conformance Statements for the Implementation</b>		
<b>DICOM IHE</b>	<a href="https://www.raysearchlabs.com/product-configurations/">https://www.raysearchlabs.com/product-configurations/</a>	
<b>Links to general information on IHE</b>		
In North America: <a href="http://www.ihe.net">www.ihe.net</a>	In Europe: <a href="http://www.ihe-europe.org">www.ihe-europe.org</a>	In Japan: <a href="http://www.jira-net.or.jp/ihe-j">www.jira-net.or.jp/ihe-j</a>





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