

# RAYSTATION 9A

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 9A.

## 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 January 2020
Vendor	Product Name	Version
RaySearch Laboratories	RayStation	9A
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	Feet First, Decubitus, Multi-Series
	Dosimetric Planner	Feet First, Decubitus
	Dose Displayer	Feet First, Decubitus
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
	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
	Photon Applicator Beam Producer	Bolus beam modifier
	Photon Applicator Arc Beam Producer	Bolus beam modifier
	IMAT/VMAT Beam Producer	Bolus beam modifier
	MLC Variable Aperture Arc Beam Consumer	–
<b>Links to Standards Conformance Statements for the Implementation</b>		
DICOM IHE	<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>





## CONTACT INFORMATION



**RaySearch Laboratories AB (publ)**  
Eugeniavägen 18  
SE-113 68 Stockholm  
Sweden

### Contact details head office

P.O. Box 3297  
SE-103 65 Stockholm, Sweden  
Phone: +46 8 510 530 00  
Fax: +46 8 510 530 30  
info@raysearchlabs.com  
www.raysearchlabs.com

### RaySearch Americas

Phone: +1 877 778 3849

### RaySearch France

Phone: +33 1 76 53 72 02

### RaySearch Korea

Phone: +82 10 2230 2046

### RaySearch Australia

Phone: +61 411 534 316

### RaySearch Belgium

Phone: +32 475 36 80 07

### RaySearch Germany

Phone: +49 30 893 606 90

### RaySearch Singapore

Phone: +65 81 28 59 80

### RaySearch China

Phone: +86 137 0111 5932

### RaySearch Japan

Phone: +81 3 44 05 69 02

### RaySearch UK

Phone: +44 2039 076791