RAYSTATION 10B

IHE-RO Integration Statement

RaySearch
Laboratories

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 10B.

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
BRTO-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	13 September 2021
Vendor	Product Name	Version
RaySearch Laboratories	RayStation	10B
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**
BRTO-II	Contourer	Resampled CT, Feet First, Structure Set Retrieval
	Dosimetric Planner	Feet First, Plan Retrieval, Re-orient
	Dose Displayer	-
MMRO-III	Registrator	SRO Retrieval
	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
	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
	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
	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

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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