



# **IHE Integration Statement**

# **RT Elements 2.5**

**Document Revision 1**

**December 14, 2018**

**2018 © Copyright Brainlab AG**



---

# 1 Introduction

## 1.1 Revision History

Document Version	Date of Issue	Author	Description
1	December 14, 2018	SSI	Initial release for RT Element Suite 2.5

## 1.2 Overview

This IHE Integration Profile document prepared and published by Brainlab describes the intended conformance of the RT Elements with the IHE-RO Technical Framework, see [1].

Users familiar with IHE concepts (Actors and Transactions, see [2] for more information) can use Integration Statements as an aid to determine the level of integration of Brainlab's RT Elements.

IHE Integration Statements are intended to be used in conjunction with statements of conformance to specific standards (such as DICOM, see [3]).



## 2 Integration Statement

IHE Integration Statement			
Vendor	Product Name	Version	Date
Brainlab AG	Brain Metastases	2.0	Dec. 14, 2018
This product is intended to implement all transactions required in the IHE-RO Technical Framework to support IHE Integration Profiles, Actors and Options below:			
Integration Profiles Implemented	Actors Implemented	Options Implemented	
Treatment Planning Plan Content (TPPC) <sup>1</sup>	MLC Variable Aperture Arc Beam Producer	None	
Internet address for vendor's IHE information: <a href="http://www.brainlab.com/ihe">http://www.brainlab.com/ihe</a>			
Links to Standards Conformance Statements for the Implementation			
HL7	n.a.		
DICOM	<a href="http://www.brainlab.com/dicom">http://www.brainlab.com/dicom</a> [4]		
Links to general information on IHE: <a href="http://www.ihe.net">http://www.ihe.net</a>			

<sup>1</sup> Rev. 1.4 of the TPPC Profile (Trial Implementation, updated July 16, 2018) was tested, see [6] for profile status

<b>IHE Integration Statement</b>			
<b>Vendor</b>	<b>Product Name</b>	<b>Version</b>	<b>Date</b>
Brainlab AG	Cranial SRS	1.5	Dec. 14, 2018
This product is intended to implement all transactions required in the IHE-RO Technical Framework to support IHE Integration Profiles, Actors and Options below:			
<b>Integration Profiles Implemented</b>	<b>Actors Implemented</b>	<b>Options Implemented</b>	
Treatment Planning Plan Content (TPPC) <sup>1</sup>	IMAT/VMAT Beam Producer	None	
Internet address for vendor's IHE information: <a href="http://www.brainlab.com/ihe">http://www.brainlab.com/ihe</a>			
<b>Links to Standards Conformance Statements for the Implementation</b>			
HL7	n.a.		
DICOM	<a href="http://www.brainlab.com/dicom">http://www.brainlab.com/dicom</a> [4]		
Links to general information on IHE: <a href="http://www.ihe.net">http://www.ihe.net</a>			

<b>IHE Integration Statement</b>			
<b>Vendor</b>	<b>Product Name</b>	<b>Version</b>	<b>Date</b>
Brainlab AG	Dose Review	1.0	Aug. 19, 2015
This product is intended to implement all transactions required in the IHE-RO Technical Framework to support IHE Integration Profiles, Actors and Options below:			
<b>Integration Profiles Implemented</b>	<b>Actors Implemented</b>	<b>Options Implemented</b>	
Basic RT Objects (BRTO)	Dose Displayer	None	
Internet address for vendor's IHE information: <a href="http://www.brainlab.com/ihe">http://www.brainlab.com/ihe</a>			
<b>Links to Standards Conformance Statements for the Implementation</b>			
HL7	n.a.		
DICOM	<a href="http://www.brainlab.com/dicom">http://www.brainlab.com/dicom</a> [4]		
Links to general information on IHE: <a href="http://www.ihe.net">http://www.ihe.net</a>			

<b>IHE Integration Statement</b>			
<b>Vendor</b>	<b>Product Name</b>	<b>Version</b>	<b>Date</b>
Brainlab AG	Image Fusion	4.0	Dec. 14, 2018
This product is intended to implement all transactions required in the IHE-RO Technical Framework to support IHE Integration Profiles, Actors and Options below:			
<b>Integration Profiles Implemented</b>	<b>Actors Implemented</b>	<b>Options Implemented</b>	
Multi-Modality Image Registration for Radiation Oncology III (MMRO-III) <sup>2</sup>	Registrator	None	
<b>Internet address for vendor's IHE information:</b> <a href="http://www.brainlab.com/ihe">http://www.brainlab.com/ihe</a>			
<b>Links to Standards Conformance Statements for the Implementation</b>			
HL7	n.a.		
DICOM	<a href="http://www.brainlab.com/dicom">http://www.brainlab.com/dicom</a> [4]		
<b>Links to general information on IHE:</b> <a href="http://www.ihe.net">http://www.ihe.net</a>			

<sup>2</sup>Revision 1.9 Off MMRO-III Profile (Trial Implementation, updated Mar 19,2018) was tested, see [6] for profile status



<b>IHE Integration Statement</b>			
<b>Vendor</b>	<b>Product Name</b>	<b>Version</b>	<b>Date</b>
Brainlab AG	Spine SRS	1.5	Dec. 14, 2018
This product is intended to implement all transactions required in the IHE-RO Technical Framework to support IHE Integration Profiles, Actors and Options below:			
<b>Integration Profiles Implemented</b>	<b>Actors Implemented</b>	<b>Options Implemented</b>	
Treatment Planning Plan Content (TPPC) <sup>1</sup>	IMAT/VMAT Beam Producer	None	
<b>Internet address for vendor's IHE information:</b> <a href="http://www.brainlab.com/ihe">http://www.brainlab.com/ihe</a>			
<b>Links to Standards Conformance Statements for the Implementation</b>			
HL7	n.a.		
DICOM	<a href="http://www.brainlab.com/dicom">http://www.brainlab.com/dicom</a> [4]		
<b>Links to general information on IHE:</b> <a href="http://www.ihe.net">http://www.ihe.net</a>			



---

## 3 References

- [1] IHE, IHE-RO Technical Framework, Vols. 1-2, IHE, 2014.
- [2] IHE, "IHE Integrating the Healthcare Enterprise," [Online]. Available: <http://www.ihe.net>. [Accessed 2018].
- [3] Digital Imaging and Communications in Medicine (DICOM) 3.0, Vols. PS 3.1-20, NEMA, 2018d.
- [4] Brainlab, "DICOM Conformance Statement RT Elements Rev. 5," Brainlab, 2018.
- [5] Brainlab, "Brainlab IHE Integration Statements," [Online]. Available: <http://www.brainlab.com/ihe>. [Accessed 2018].
- [6] "IHE-RO Profiles at wiki.ihe.net," [Online]. Available: [https://wiki.ihe.net/index.php/Profiles#IHE\\_Radiation\\_Oncology\\_Profiles](https://wiki.ihe.net/index.php/Profiles#IHE_Radiation_Oncology_Profiles). [Accessed 2018].