

*Oncentra<sup>®</sup> MasterPlan v3.3*

*IHE Integration Statement*



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### Your Distributor / Agent

# Table of Contents

<b>1.</b>	<b>Introduction</b>	<b>1-1</b>
1.1	General.....	1-1
1.2	Intended Audience .....	1-1
1.3	Important Notes .....	1-1
1.3.1	Interoperability.....	1-1
1.3.2	Validation .....	1-1
1.3.3	Evolution of the IHE Technical Framework.....	1-1
<b>2.</b>	<b>Integration Statement</b>	<b>2-2</b>



# 1. Introduction

## 1.1 General

This document specifies the Integrating the Healthcare Enterprise (IHE) conformance of the radiotherapy treatment planning system Oncentra MasterPlan.

## 1.2 Intended Audience

This document is intended for system developers, system integrators, and users or potential users of the Oncentra MasterPlan system (or their agents).

It is assumed that the reader of this document is familiar with IHE.

## 1.3 Important Notes

The document itself does not guarantee successful IHE communication between Oncentra MasterPlan and non- Oncentra MasterPlan applications which claim conformance to IHE. It is, however, the user's (or the user's agent) responsibility to address at least the following issues:

### 1.3.1 Interoperability

Integration in terms of interoperability of modalities claiming conformance to IHE goes beyond the IHE Integration Statement.

When intending to connect to non-Oncentra MasterPlan applications, users or their agents are encouraged to examine carefully the IHE Integration Statements of the other application, to ensure that both applications offer support for the same actors.

### 1.3.2 Validation

IHE compliance of Oncentra MasterPlan has been carefully tested to assure compliance of the system with this IHE Integration Statement. However, connectivity and proper functionality with other vendors' products has to be verified prior to clinical use of the applications.

It is the responsibility of the user (or the user's agent) to verify IHE connectivity within the environment in which the Oncentra MasterPlan applications shall be used. In this respect Nucletron will assist the user as far as possible.

### 1.3.3 Evolution of the IHE Technical Framework

It is expected that the IHE Technical Framework will be further developed to meet future requirements. Nucletron is actively contributing to these developments. It is therefore natural that Nucletron will adapt its products due to changes in the IHE Technical Framework.

The user is encouraged to make sure that any product from another vendor is also continuously adapted to revisions of IHE. Ignoring this will increase the risk of losing connectivity and/or interoperability.

## 2. Integration Statement

<b>IHE Integration Statement</b>			
<b>Vendor</b>	<b>Product Name</b>	<b>Version</b>	<b>Date</b>
Nucletron B.V.	Oncentra Masterplan	V3.3	Dec-2009
This product implements all transactions required in the IHE Technical Framework to support the IHE Integration Profiles, Actors and Options listed below:			
<b>Integration Profiles Implemented</b>	<b>Actors Implemented</b>	<b>Options Implemented</b>	
RT Objects Integration Profile	Contourer	n/a	
	Geometric planner	n/a	
	Dosimetric planner	n/a	
	Dose Displayer	n/a	
Multi Modality Registration Profile.	Registrator	n/a	
	Registered Contourer	n/a	
	Registered Display	n/a	
	Registered Dose Display	n/a	
Advanced RT Objects Interoperability Profile.	Basic Static Beam Producer	Bolus Beam Modifier Storage	
		Block Beam Modifier Storage	
	Basic Static Beam Consumer	Bolus Beam Modifier Retrieval	
		Block Beam Modifier Retrieval	
	Motorized Wedge Beam Producer	Bolus Beam Modifier Storage	
		Block Beam Modifier Storage	
	Motorized Wedge Beam Consumer	Bolus Beam Modifier Retrieval	
		Block Beam Modifier Retrieval	
	Hard Wedge Beam Producer	Bolus Beam Modifier Storage	
		Block Beam Modifier Storage	
	Hard Wedge Beam Consumer	Bolus Beam Modifier Retrieval	
		Block Beam Modifier Retrieval	

	Virtual Wedge Beam Producer	Bolus Beam Modifier Storage
		Block Beam Modifier Storage
	Virtual Wedge Beam Consumer	Bolus Beam Modifier Retrieval
		Block Beam Modifier Retrieval
	Arc Beam Producer	Bolus Beam Modifier Storage
	Arc Beam Consumer	Bolus Beam Modifier Retrieval
	Conformal Arc Beam Consumer	Bolus Beam Modifier Storage
	Sliding Window Beam Consumer	Bolus Beam Modifier Retrieval
	Step & Shoot Beam Producer	Bolus Beam Modifier Storage
		Block Beam Modifier Storage
		Hard Wedge Beam Modifier Storage
	Step & Shoot Beam Consumer	Bolus Beam Modifier Retrieval
		Block Beam Modifier Retrieval
		Hard Wedge Beam Modifier Retrieval
	Static Electron Beam Producer	Bolus Beam Modifier Storage
		Block Beam Modifier Storage
	Static Electron Beam Consumer	Bolus Beam Modifier Retrieval
		Block Beam Modifier Retrieval
	IMAT/VMAT Beam Producer	Bolus Beam Modifier Storage
	IMAT/VMAT Beam Consumer	Bolus Beam Modifier Retrieval
Basic Static MLC Beam Producer	Bolus Beam Modifier Storage	
Basic Static MLC Beam Consumer	Bolus Beam Modifier Retrieval	
MLC Arc Beam Producer	Bolus Beam Modifier Storage	
MLC Arc Beam Consumer	Bolus Beam Modifier Retrieval	
Internet address for Nucletron's IHE information: <a href="http://www.nucletron.com/Oncentra/Pages/OncentraandIHEIntegrationstatement.aspx">http://www.nucletron.com/Oncentra/Pages/OncentraandIHEIntegrationstatement.aspx</a>		

<b>Links to Standards Conformance Statements for the Implementation</b>		
<b>HL7</b>	n/a	
<b>DICOM</b>	<a href="http://www.nucletron.com/Resources/Documents/77700089MAN-MasterPlan_DICOM_Conf_Statement.pdf">http://www.nucletron.com/Resources/Documents/77700089MAN-MasterPlan_DICOM_Conf_Statement.pdf</a>	
<b>Links to general information on IHE</b>		
In North America: <a href="http://www.rsna.org/IHE">www.rsna.org/IHE</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>