



**Eclipse**   
**Version 10.0** IHE Integration Statement



P1016016-001-A

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**Abstract** The Eclipse IHE Integration Statement (P1016016-001-A) describes the intended conformance of Eclipse with the IHE Technical Framework.

**Manufacturer and European Representative**

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- International Classification of Diseases for Oncology, (ICD-0) 3rd edition, Geneva, World Health Organization, 2000.

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- International Statistical Classification of Diseases and Related Health Problems, Tenth Revision (ICD-10). Vols 1-3, Geneva, World Health Organization, 1992.



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# Introduction

The Integrating the Healthcare Enterprise (IHE) Integration Statement describes the intended conformance of Eclipse with the IHE Technical Framework. The IHE Technical Framework identifies a subset of the functional components of the healthcare enterprise called IHE Actors, and specifies their interactions in terms of a set of standard-based transactions. These transactions are organized into functional units called Integration Profiles that highlight their capacity to address specific clinical needs.

This IHE Integration Statement provides a high-level view of the supported IHE integration profiles.

## Important Remarks

The use of these IHE Integration Statements, by itself, is not sufficient to ensure that inter-operation will be successful. Eclipse users must be aware of the issues described in the sections below.

## Interoperability

Interoperability refers to the ability of application functions, distributed over two or more systems, to work together successfully. It is the user's responsibility to thoroughly analyze the application requirements and to specify a solution that integrates Eclipse with non-Varian equipment.

## Validation

Eclipse has been carefully tested to assure that the implementation of the IHE Integration Profiles corresponds with this Integration Statement. Where Eclipse is linked to non-Varian equipment, the first step is to compare the relevant Integration Statement. If the Integration Statement indicates that successful information exchange should be possible, additional validation tests are necessary to ensure the functionality, performance, accuracy and stability of data.

## New Versions of IHE Technical Framework

The IHE Technical Framework will evolve in the future to meet the growing user requirements and to incorporate new features and technologies. Varian Medical Systems is actively involved in the development of the IHE Technical Framework and the underlying standards. Such evolutions may require changes to installed systems. In addition, Varian Medical Systems reserves the right to discontinue or make changes to the support of the communications features (in Varian products) reflected by these IHE Integration Statements. The user should ensure that any non-Varian system that connects with Eclipse also has plans for the future evolution of the IHE. Failure to do so is likely to result in the loss of functionality and/or connectivity as the IHE Integration profiles evolve and Eclipse is enhanced to support these changes.

# Integration Statement

This product is intended to implement all transactions required in the IHE Technical Framework to support the IHE Integration Profiles, Actors and Options listed below.

IHE Integration Statement			
Vendor	Product Name	Version	Date
Varian Medical Systems	Eclipse™ Treatment Planning System	10.0	April 2010
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	
RT Objects Integration Rev 1.0	Contourer	Not applicable	
	Geometric Planner	Not applicable	
	Dosimetric Planner	Not applicable	
	Dose Displayer	Not applicable	
Image Registration Intregation	Registered Dose Display	Not applicable	
RT Advanced Objects Interoperability	Basic Static Beam Producer	Bolus Beam Modifier Storage Block Beam Modifier Storage Compensator Beam Modifier Storage	
	Basic Static Beam Consumer	Bolus Beam Modifier Retrieval Block Beam Modifier Retrieval Compensator Beam Modifier Retrieval	
	Motorized Wedge Beam Producer	Bolus Beam Modifier Storage Block Beam Modifier Storage Compensator Beam Modifier Storage	
	Motorized Wedge Beam Consumer	Bolus Beam Modifier Retrieval Block Beam Modifier Retrieval Compensator Beam Modifier Retrieval	
	Hard Wedge Beam Producer	Bolus Beam Modifier Storage Block Beam Modifier Storage Compensator Beam Modifier Storage	

Integration Profiles Implemented	Actors Implemented	Options Implemented
RT Advanced Objects Interoperability (cont.)	Hard Wedge Beam Consumer	Bolus Beam Modifier Retrieval Block Beam Modifier Retrieval Compensator Beam Modifier Retrieval
	Virtual Wedge Beam Producer	Bolus Beam Modifier Storage Block Beam Modifier Storage Compensator Beam Modifier Storage
	Virtual Wedge Beam Consumer	Bolus Beam Modifier Retrieval Block Beam Modifier Retrieval Compensator Beam Modifier Retrieval
	Arc Beam Producer	Bolus Beam Modifier Storage
	Arc Beam Consumer	Bolus Beam Modifier Retrieval
	Conformal Arc Beam Producer	Bolus Beam Modifier Storage
	Conformal Arc Beam Consumer	Bolus Beam Modifier Retrieval
	Step & Shoot Beam Producer	Bolus Beam Modifier Storage
	Step & Shoot Beam Consumer	Bolus Beam Modifier Retrieval
	Sliding Window Beam Producer	Bolus Beam Modifier Storage
	Sliding Window Beam Consumer	Bolus 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 Compensator Beam Modifier Storage
	Basic Static MLC Beam Consumer	Bolus Beam Modifier Retrieval Compensator Beam Modifier Retrieval
	MLC Arc Beam Producer	Bolus Beam Modifier Storage
MLC Arc Beam Consumer	Bolus Beam Modifier Retrieval	

Internet address for the vendor's IHE information: <a href="https://www.varian.com/oncology/service-education/interoperability/ihe-statements">https://www.varian.com/oncology/service-education/interoperability/ihe-statements</a>		
<b>Links to Standards Conformance Statements for the Implementation</b>		
<b>HL7</b>	Not Applicable	
<b>DICOM</b>	<a href="https://www.varian.com/oncology/service-education/interoperability/dicom-conformance-statements">https://www.varian.com/oncology/service-education/interoperability/dicom-conformance-statements</a>	
<b>Links to general information on IHE</b>		
North America: <a href="https://www.rsna.org/ihe.aspx">https://www.rsna.org/ihe.aspx</a>	Europe: <a href="http://www.ihe-europe.net">www.ihe-europe.net</a>	Japan: <a href="http://www.jira-net.or.jp/ihe-j">www.jira-net.or.jp/ihe-j</a>