

U-EYECARE Connectathon Test Mapping

Overview of this document

The purpose of this document is to give an overview of the Connectathon tests for the U-EYECARE profile.. There are three tables below, containing:

1. A copy of the Actor/Transaction table from U-EYECARE. The right-most column has been added containing the name of the peer-to-peer Connectathon test that exercises that actor/transaction. See pg 1-3.
2. A copy of the Options table from U-EYECARE. The right-most column is added to show the peer-to-peer Connectathon test that tests that option. See pg 4-7.
3. A list of U-EYECARE actors, with both “No peer” Connectathon tests for each actor. These primarily include tests where the contents of an HL7 message or DICOM object is examined/evaluated, or a test evaluating functional requirements that are demonstrated by the test system without the need to exchange messages with a partner. See pg 8.

Table 9.1.6-1: Unified Eye Care Workflow – Actors and Transactions

Actors	Transactions	Model I	Model II	Model III	Section	Connectathon Peer-to-peer tests
		Transaction Optionality				
Patient Registration Source	Patient Registration [EYECARE-15]	R	R	R	EYECARE TF-2: 4.15	EYECARE_Patient_Reg_and_Update EYECARE_Patient_Update_with_IM
Appointment Scheduler	Appointment Scheduling Management [EYECARE-16]	R	R	R	EYECARE TF-2: 4.16	EYECARE_Appointment_Scheduling
Patient Registration Consumer	Patient Registration [EYECARE-15]	R	R	R	EYECARE TF-2: 4.15	EYECARE_Patient_Reg_and_Update
Appointment Consumer	Appointment Scheduling Management [EYECARE-16]	R	R	R	EYECARE TF-2: 4.16	EYECARE_Appointment_Scheduling U-EYE_Automatic_Orders
Department System Scheduler/ Order Filler	Patient Demographics Update [EYECARE-19]	R		R	EYECARE TF-2: 4.19	EYECARE_Patient_Reg_and_Update
	Query Modality Worklist [EYECARE-1]	R	R		EYECARE TF-2: 4.1	WORKFLOW_Worklist-Query WORKFLOW_Broad_Query WORKFLOW_Patient-based_Query

Actors	Transactions	Model I	Model II	Model III	Section	Connectathon Peer-to-peer tests
		Transaction Optionality				
	Procedure Scheduled [EYECARE-21]	R		R	EYECARE TF-2: 4.21	Model I: U-EYE-Model_I_Sched_MWL_Store Model III: U-EYE_Model_III_Sched_MWL_Store
Image Manager/ Image Archive <i>(Not an Actor for Model II)</i>	Procedure Scheduled [EYECARE-21]	R		R	EYECARE TF-2: 4.21	Model I: U-EYE-Model_I_Sched_MWL_Store Model III: U-EYE_Model_III_Sched_MWL_Store
	Patient Demographics Update [EYECARE-19]	R		R	EYECARE TF-2: 4.19	EYECARE_Patient_Reg_and_Update
	Query Modality Worklist [EYECARE-1]			R	EYECARE TF-2: 4.1	Model III: WORKFLOW_Worklist-Query WORKFLOW_Broad_Query WORKFLOW_Patient-based_Query
	Modality Images/Evidence Stored [EYECARE-2]	R		R	EYECARE TF-2: 4.2	Model I: U-EYE-Model_I_Sched_MWL_Store Model III: U-EYE_Model_III_Sched_MWL_Store
	Query Images [EYECARE-5]	R		R	EYECARE TF-2: 4.5	WORKFLOW_Q/R RAD-14_Query-Return_Keys
	Retrieve Images [EYECARE-3]	R		R	EYECARE TF-2: 4.3	WORKFLOW_Q/R
Image Storage/Display <i>(Only required in Model II)</i>	Modality Images/Evidence Key Objects Stored [EYECARE-18]		R		EYECARE TF-2: 4.18	U-EYECARE-18_Send_Key_Objects EYE_Model_II_Sched_MWL_Store
Image Display <i>(Not an Actor for Model II)</i>	Query Images [EYECARE-5]	R		R	EYECARE TF-2: 4.5	WORKFLOW_Q/R RAD-14_Query-Return_Keys
	Retrieve Images [EYECARE-3]	R		R	EYECARE TF-2: 4.3	WORKFLOW_Q/R
Acquisition Modality	Query Modality Worklist [EYECARE-1]	R	R	R	EYECARE TF-2: 4.1	WORKFLOW_Worklist-Query

Actors	Transactions	Model I	Model II	Model III	Section	Connectathon Peer-to-peer tests
		Transaction Optionality				
	Modality Images/Evidence Stored [EYECARE-2]	R		R	EYECARE TF-2: 4.2	EYECARE_Validate_and_Store_Sample Model I: U-EYE- Model I Sched_MWL_Store Model III: U- EYE_Model_III_Sched_MWL_Store
	Modality Images/Evidence Key Objects Stored [EYECARE-18]		R		EYECARE TF-2: 4.18	EYECARE_Validate_and_Store_Sample EYECARE-18_Send_Key_Objects U-EYE Model II Sched MWL Store
Acquisition Modality Importer	Query Modality Worklist [EYECARE-1]	R	R	R	EYECARE TF-2: 4.1	WORKFLOW_Worklist-Query
	Modality Images/Evidence Stored [EYECARE-2]	R		R	EYECARE TF-2: 4.2	EYECARE_Validate_and_Store_Sample Model I: U-EYE-Model I Sched_MWL_Store Model III: U-EYE_Model III Sched_MWL_Store
	Modality Images/Evidence Key Objects Stored [EYECARE-18]		R		EYECARE TF-2: 4.18	EYECARE_Validate_and_Store_Sample EYECARE-18_Send_Key_Objects U-EYE_Model II Sched_MWL_Store
Charge Processor	Eye Care Charge Posted [EYECARE-17]	R	R	R	EYECARE TF-2: 4.17	EYECARE_Charge_Posting
Evidence Creator	Modality Images/Evidence Stored [EYECARE-2]	R		R	EYECARE TF-2: 4.2	
Performed Procedure Step Manager	Modality Procedure Step In Progress [RAD-6]	R			RAD TF-2: 4.6	PPS_Manager_Msg_Exchange
	Modality Procedure Step Completed [EYECARE-6]	R			EYECARE TF-2: 4.6	PPS_Manager_Msg_Exchange

Table 9.2-1: Unified Eye Care Workflow - Actors and Options

Actor	Option Name	Reference	Connectathon tests for options
Patient Registration Source	Patient Record Merging Option	EYECARE TF-1: 9.2.2	EYECARE_Patient_Merge
Appointment Scheduler	<i>No options defined</i>	--	n/a
Charge Processor	<i>No options defined</i>	--	n/a
Patient Registration Consumer	Patient Record Merging Option	EYECARE TF-1: 9.2.2	EYECARE_Patient_Merge
Appointment Consumer	<i>No options defined</i>	--	n/a
Department System Scheduler/Order Filler	Patient Record Merging Option	EYECARE TF-1: 9.2.2	EYECARE_Patient_Merge
	Imaging Procedure Instructions Option	EYECARE TF-1: 9.2.3	U-EYE_Img_Procedure_Instructions
	Imaging Procedure Status Update (DICOM) Option	EYECARE TF-1: 9.2.4	Model I & II: U-EYE_Procedure_Status_Upd_DICOM
	Imaging Procedure Status Update (HL7) Option	EYECARE TF-1: 9.2.5	Model I & III: U-EYE_Procedure_Status_Upd_HL7
	Charge Posting Option	EYECARE TF-1: 9.2.7	EYECARE-17_Scrutiny EYECARE_Charge_Posting
	Procedure Status Tracking (DICOM MPPS) Option	EYECARE TF-1: 9.2.9	U-EYE_Procedure_Status_Upd_DICOM
Image Manager/ Image Archive	Patient Record Merging Option	EYECARE TF-1: 9.2.2	EYECARE_Patient_Merge
	Eye Care Image Option	EYECARE TF-1: 9.2.1.1	U-EYE_Care_Image_Option
	Encapsulated PDF Option for Evidence Documents	EYECARE TF-1: 9.2.1.2	EYECARE_Encapsulated_PDF
	Eye Care Measurements Option	EYECARE TF-1: 9.2.1.3	EYECARE_Measurement_Option
	Imaging Procedure Status Update (DICOM) Option	EYECARE TF-1: 9.2.4	Model I & II: U-EYE_Procedure_Status_Upd_DICOM

Actor	Option Name	Reference	Connectathon tests for options
	Imaging Procedure Status Update (HL7) Option	EYECARE TF-1: 9.2.5	Model I & III: EYECARE-22_Scrutiny U-EYE_Procedure_Status_Upd_HL7
	Storage Commitment Option	EYECARE TF-1: 9.2.6	Model I & III: WORKFLOW_Store_and_SC
	Procedure Status Tracking (DICOM MPPS) Option	EYECARE TF-1: 9.2.9	U-EYE_Procedure_Status_Upd_DICOM
	PACS Key Images Sent Option	EYECARE TF-1: 9.2.8	EYECARE-18_Send_Key_Objects
	Stereo Relationship Option	EYECARE TF-1: 9.2.1.5	EYECARE_Stereo_Relationship
	Imaging Procedure Instructions Option	EYECARE TF-1: 9.2.3	IM Model III: U-EYE_Img_Procedure_Instructions
Image Display	Eye Care Image Option	EYECARE TF-1: 9.2.1.1	U-EYE_Care_Image_Option
	Encapsulated PDF Option for Evidence Documents	EYECARE TF-1: 9.2.1.2	EYECARE_Encapsulated_PDF
	Relative Image Position Coding Option	EYECARE TF-1: 9.2.1.4 EYECARE TF-2: 4.3.6	EYECARE_Relative_Img_Position
	Stereo Relationship Option	EYECARE TF-1: 9.2.1.5 EYECARE TF 2: 4.3.7	EYECARE_Stereo_Relationship
Image Storage/Display <i>(an optional actor in Model I and III)</i>	Eye Care Image Option	EYECARE TF-1: 9.2.1.1	U-EYE_Care_Image_Option
	Encapsulated PDF Option for Evidence Documents	EYECARE TF-1: 9.2.1.2	EYECARE_Encapsulated_PDF
	PACS Key Images Sent Option	EYECARE TF-1: 9.2.8	EYECARE-18_Send_Key_Objects
	Relative Image Position Coding Option	EYECARE TF-1: 9.2.1.4	EYECARE_Relative_Img_Position
	Eye Care Measurements Option	EYECARE TF-1: 9.2.1.3	EYECARE_Measurement_Option
Evidence Creator	Storage Commitment Option	EYECARE TF-1: 9.2.6	Model I & III: - WORKFLOW_Store_and_SC

Actor	Option Name	Reference	Connectathon tests for options
Acquisition Modality	Patient Based Worklist Query Option (See Note 1)	EYECARE TF-2: 4.1	WORKFLOW_Patient-based_Query
	Broad Worklist Query Option (See Note 1)	EYECARE TF-2: 4.1	WORKFLOW_Broad_Query
	Eye Care Image Option (See Note 2)	EYECARE TF-1: 9.2.1.1	U-EYE_Care_Image_Option
	Encapsulated PDF Option for Evidence Documents (See Note 2)	EYECARE TF-1: 9.2.1.2	EYECARE_Encapsulated_PDF
	Eye Care Measurement Option	EYECARE TF-1: 9.2.1.3	EYECARE_Measurement_Option
	Imaging Procedure Status Update (DICOM) Option	EYECARE TF-1: 9.2.4	Model I & II: - U-EYE_Procedure_Status_Upd_DICOM
	Storage Commitment Option	EYECARE TF-1: 9.2.6	Model I & III: - WORKFLOW_Store_and_SC
	Procedure Status Tracking (DICOM MPPS) Option	EYECARE TF-1: 9.2.9	U-EYE_Procedure_Status_Upd_DICOM
	Relative Image Position Coding Option	EYECARE TF-1: 9.2.1.4	EYECARE_Relative_Img_Position
	Stereo Relationship Option	EYECARE TF-1: 9.2.1.5	EYECARE_Stereo_Relationship
	Imaging Procedure Instructions Option	EYECARE TF-1: 9.2.3	U-EYE_Img_Procedure_Instructions
	Contrast Start Time Reporting in OP Images Option	EYECARE TF-1: 9.2.1.6	U-EYE_OP_Contrast_Start_Time
Acquisition Modality Importer	Patient Based Worklist Query Option (see Note 1)	EYECARE TF-2: 4.1	WORKFLOW_Patient-based_Query
	Broad Worklist Query Option (see Note 1)	EYECARE TF-2: 4.1	WORKFLOW_Broad_Query
	Eye Care Measurement Option	EYECARE TF-1: 9.2.1.3	EYECARE_Measurement_Option
	Eye Care Image Option (See Note 2)	EYECARE TF-1: 9.2.1.1	U-EYE_Care_Image_Option
	Encapsulated PDF Option for Evidence Documents (See Note 2)	EYECARE TF-1: 9.2.1.2	EYECARE_Encapsulated_PDF
	Imaging Procedure Status Update (DICOM) Option	EYECARE TF-1: 9.2.4	Model I & II: - U-EYE_Procedure_Status_Upd_DICOM

Actor	Option Name	Reference	Connectathon tests for options
	Storage Commitment Option	EYECARE TF-1: 9.2.6	Model I & III: - WORKFLOW_Store_and_SC
	Procedure Status Tracking (DICOM MPPS) Option	EYECARE TF-1: 9.2.9	U-EYE_Procedure_Status_Upd_DICOM
	Relative Image Position Coding Option	EYECARE TF-1: 9.2.1.4	EYECARE_Relative_Img_Position
	Stereo Relationship Option	EYECARE TF-1: 9.2.1.5	EYECARE_Stereo_Relationship
	Imaging Procedure Instructions Option	EYECARE TF-1: 9.2.3	U-EYE_Img_Procedure_Instructions
	Contrast Start Time Reporting in OP Images Option	EYECARE TF-1: 9.2.1.6	U-EYE_OP_Contrast_Start_Time
Performed Procedure Step Manager	<i>No options defined</i>	--	n/a

No-peer and functional Connectathon tests

Actors	No Peer or functional tests
Patient Registration Source	EYECARE-15_Scrutiny
Appointment Scheduler	EYECARE-16_Scrutiny
Patient Registration Consumer	n/a
Appointment Consumer	n/a
DSS/Order Filler	EYECARE_Codes_Do_This_First U-EYE MWL AE Title Handling
Image Manager/ Image Archive (Model I & III)	IM Model III only for MWL support: -- EYECARE_Codes_Do_This_First -- U-EYE MWL AE Title Handling
Image Storage/Display (Model II)	EYECARE_MOD_Image_Display
Image Display (Not an Actor for Model II)	EYECARE_MOD_Image_Display
Acquisition Modality	EYECARE_Codes_Do_This_First EYECARE_MOD_Image_Display
Acquisition Modality Importer	EYECARE_Codes_Do_This_First EYECARE_MOD_Image_Display
Charge Processor	EYECARE_Codes_Do_This_First
Evidence Creator	EC Validate and Store Sample
PPS Manager	n/a