

Integrating the Healthcare Enterprise



5

IHE Technical Frameworks General Introduction

10

Appendix A: IHE Actor Definitions

15

20

**Revision 2.0
March 9, 2018**

25

Please verify you have the most recent version of this document, which is published [here](#).

IHE Actor Definitions

Actors are information systems or components of information systems that produce, manage, or act on information associated with operational activities in the enterprise.

30

Actor Name	Actor Description
Access Control Service	Access Control Service
Acquisition Modality	Acquires medical images, waveforms or measurements while a patient or specimen is present (e.g., a Computed Tomography scanner, a specimen microscope or a hemodynamic measurement system).
Acquisition Modality	Acquires and creates medical images (e.g., a Computed Tomography scanner or Nuclear Medicine camera). A modality may also create Grayscale Softcopy Presentation States for the consistent viewing of images and create Key Image Notes.
Acquisition Modality Importer	Integrates a non-DICOM-ready modality into workflows.
Acquisition Modality Importer	A system that interfaces to a non-DICOM ready modality in order to integrate that modality into the Eye Care workflow.
Acquisition Modality Importer in U-EYECARE - Model II	Acquisition Modality Importer in U-EYECARE - Model II
Acquisition Modality in U-EYECARE Model II	Acquisition Modality in U-EYECARE Model II
ADT Patient Registration	Responsible for adding and/or updating patient demographic and encounter information. In particular, it registers a new patient with the Order Placer and Department System.
ADT/Patient Registration	Adds or updates patient demographic and encounter information, (Admission/Discharge/Transfer) to a Practice Management System (PMS) or a Hospital Information System (HIS), for example.
Alarm Archiver	The Alarm Archiver sends alarm subscription requests to the AM actor and receives report alarm responses from the AM actor.
Alert Aggregator	This actor receives alerts from the Alert Reporter and collects status events related to the dissemination of the alert.
Alert Communicator	The Alert Communicator (AC) receives the alert from the Alert Manager (AM) and sends the alert to the client application in the endpoint device and reports the dissemination status back to the Alert Manager (AM).
Alert Consumer	The Alert Consumer (ACON) receives the alert from the Alert Reporter (AR) and uses the alert information strictly as a consumer of the alert being raised. There is no implementation requirement for how the ACON ultimately uses the alert information.
Alert Manager	The Alert Manager (AM) receives the alerts from the Alert Reporter (AR), potentially analyzes the alert, and dispatches the alert to the Alert Communicator (AC), and optionally, provides the alert to the Alert Archiver (AA) or Alert Consumer (ACON) upon subscription.
Alert Manager	This actor receives alerts from an Alert Reporter, manages them according to business context and disseminates them to an Alert Communicator.
Alert Message Receiver	Alert Message Receiver
Alert Message Transmitter	Alert Message Transmitter

Actor Name	Actor Description
Alert Reporter	This actor originates the alert (an alarm, either physiological or technical, or an advisory). May also query the Alert Aggregator for the status of the alert.
Analyzer	Performs testing on biological specimens and reports the resulting observations.
Analyzer	An actor which is an automated device which fulfills clinical tests on biologic specimen. An Analyzer performs analyzing for a specimen according to AWOS, and return the result to the AM.
Analyzer Manager	An Automation Manager that manage the analytical part of the laboratory. This actor is involved in the LAW profiles. Change requested by PaLM : Schedules and manages analytical work order steps (AWOS) to be performed on biological specimens by a set of Analyzers.
Appointment Consumer	An information system responsible for consuming patient appointment information. It updates its system with the appointment information and statuses.
Appointment Requester	A system that sends requests for appointments and/or schedules and displays the results of those requests.
Appointment Scheduler	A system that handles requests for appointments and requests for appointment information. The system is responsible for providing schedule information including both appointments requested by the Appointment Requester Actor and those that were not.
Arc Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with non-MLC Fixed Aperture arc treatment beams.
Arc Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with non-MLC Fixed Aperture Arc treatment beams.
Archive	Stores the radiotherapy (RT) DICOM SOP Classes in addition to the computed tomography (CT) images and is capable of transmitting them.
Archive (including RT)	A system that stores the RT SOP Classes in addition to the CT images and is capable of transmitting them.
Audit Consumer	Query for syslog and ATNA audit records using Syslog metadata and ATNA audit record content. Subsequent processing of the query event is not defined.
Audit Record Forwarder	This actor filters audit records that have been received and forwards selected audit records to an Audit Record Repository. Added to the ATNA profile in Sept 2015 in CP-ITI-872
Audit Record Repository	A system unit that receives and collects audit records from multiple systems.
Audit Repository	Stores audit events.
Authorization Client	A client that presents authorization tokens as part of transactions.

Actor Name	Actor Description
Authorization Decisions Manager	Actor that can perform Access Control decision, evaluating requests for authorization. The result of this evaluation is the creation of an Authorization Decision that certifies the decision made.
Authorization Decisions Verifier	This actor queries for Authorizations Decision related to the Requester Entity before disclosing specific documents. An Authorization Decision is stored and managed by the Authorization Decisions Manager actor and certifies that a decision was made by a trustable actor.
Authorization Server	A server that provides authorization tokens to requesting clients
Automation Manager	Schedules and manages operations on biological specimens on a set of robotic devices in a clinical laboratory.
Automation Manager	A system or component that manages the automation in the laboratory or a part of it. Automation involves the integration or interfacing of automated or robotic transport systems, analytical instruments, and pre- or post-analytical process equipment such as automated centrifuges and aliquoters, decappers, recappers, sorters, and specimen storage and retrieval systems. This actor receives work orders from the Order Filler. It manages the processing of the ordered tests on the appropriate devices, and sends technically validated results back to the Order Filler. This actor must be considered even if it manages a small part of the analytical process; e.g. if it manages one single analytical instrument. Multiple Automation Managers can be related to one Order Filler. The Automation Manager can match unexpected results produced by an analyzer with the appropriate incoming Work Order, or create a new Work Order to fit the unsolicited observations and send them to the OF.
Barcode Processor	Receives data from the barcode reader / consumer and sends the decoded barcode content.
Barcode Reader / Consumer	Device capable of scanning barcodes. It sends the barcode data for decoding by another system, and receives encoded information, like GTIN, expiry date, batch/lot number from the barcode decoder
Basic Static Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with static, non-MLC, treatment beams.
Basic Static Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with static, non-MLC, treatment beams.
Basic Static MLC Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with static, MLC, treatment beams.
Basic Static MLC Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with static, MLC, treatment beams.

Actor Name	Actor Description
Bed Manager	A hospital or enterprise-wide system used to coordinate the identification and requisitioning of beds for incoming admissions and transfers and manage intra- and inter-hospital transfers. First defined in PCC BED Supplement, 8/2016.
Care Manager	The Care Manager Actor is responsible for supporting the management of the care of patients with respect to a specific health condition. It gathers information about the care provided and current health status of the patient. A Care Manager Actor may be designed for management of a single condition, such as management of Diabetes, or may be a general purpose system supporting management of multiple conditions.
Care Plan Contributor	This actor reads, creates and updates Care Plans hosted on a Care Plan Service. First defined in PCC DCP Supplement, 8/2016.
Care Plan Service	This actor manages Care Plans received from Care Plan Contributors, and provides updated Care Plans to subscribed Care Plan Contributors. First defined in PCC DCP Supplement, 8/2016.
Care Services Directory	The Care Services Directory Actor is responsible for returning an XML document in response to a request from a Care Services InfoManager. The response document contains all the content which has been inserted or updated in the Directory since the specified timestamp and is expressed in the format defined by the CSD Profile's XML schema.
Care Services InfoManager	The Care Services InfoManager Actor has two roles. The Care Services InfoManager maintains a local cache of information that represents cross-referenced data from one or more Care Services Directory actors. The Care Services InfoManager periodically refreshes this cache by querying Care Services Directory actors for updated content. The Care Services InfoManager's other role is to process inbound queries from Service Finder actors. These queries are executed against the cached content and the results are returned as a reply document.
Care Services Selective Consumer	The Care Services Selective Consumer queries the Care Services Selective Supplier for information about healthcare practitioners, organizations, locations, and services.
Care Services Selective Supplier	The Care Services Selective Supplier processes received queries from Care Services Selective Consumers and returns information about healthcare practitioners, organizations, locations, and services.
Care Services Update Consumer	The Care Services Update Consumer can query for updates since a previous refresh, to information about healthcare practitioners, organizations, locations, and services from one or more Care Services Update Suppliers.

Actor Name	Actor Description
Care Services Update Supplier	The Care Services Update Supplier can provide updates about healthcare practitioners, organizations, locations, and services information in response to a refresh request from a Care Services Update Consumer. The updates include new or modified information since a previous refresh.
Care Summary Generator	The actor participates in the EHDI workflow. It generates and shares the Care Summary for the encounter associated with the patient's birth. The summary is generated at the point newborn is discharged or transferred. See EHDI-WD TI Supplement 2016, Vol 1, Sec X.1.1.4
Care Team Contributor	This actor reads, creates and updates Care Teams hosted by a Care Team Service.
Care Team Service	This actor manages Care Teams received from Care Team Contributors, and provide notification of updates and access to updated Care Teams to subscribers.
Change Requester	A system that communicates changes to an Image Manager / Archive, indicating that certain imaging instances should be deleted. In addition, it may also send new versions of these imaging instances containing corrected information
Charge Processor	Receives posted charges and serves as a component of the financial system (for instance a PMS or billing system).
Client Authentication Agent	Provides local management of user authentication.
Clinical Data Consumer	A Clinical Data Consumer makes use of clinical patient data.
Clinical Data Source	A Clinical Data Sources maintains patient information about vital signs, problem and allergies, results from diagnostic tests (e.g., Lab, Imaging, or other test results), medications, immunizations or historical or planned visits and procedures.
Clinical Knowledge Directory	A Clinical Knowledge Directory receives requests for clinical knowledge and returns a list of relevant clinical knowledge resources based on the content of the knowledge request.
Clinical Knowledge Requester	A Clinical Knowledge Requester collects appropriate clinical context and uses it to request clinical knowledge, and presents the resulting knowledge to the user.
Clinical Knowledge Resource Repository	A Clinical Knowledge Resource Repository stores documents providing clinical knowledge and returns them to Requesters on demand.
Clinical Mapper	The Clinical Mapper selects appropriate mappings for terms that it has been requested to map. First seen: PCC Clinical Mapping Supplement, May 2015
Clinical Mapping Requestor	The Clinical Mapping Requestor identifies terms that need to be mapped and requests mappings for them. First seen: PCC TF Clinical Mapping Supplement, May 2015

Actor Name	Actor Description
Code Set Consumer	Maintains its internal dictionary of laboratory panels, tests and observations relying on an external code set provided by a Code Set Master.
Code Set Consumer	A system which receives code sets from Code Set Master(s) and updates its internal tables to reflect the code set as maintained by the Code Set Master. This system may also be an Order Placer, an Order Result Tracker, an Automation Manager, or an Order Filler.
Code Set Master	Manages and provides code sets for laboratory panels, tests and observations
Code Set Master	A system which owns (is responsible for the maintenance of) one or several code sets. This system may also be an Order Filler or an Enterprise Common Repository. Code sets can be sent on a routine basis (e.g. every week) or every time the code set changes. A code set may contain battery, test and observation codes.
Community Pharmacy Manager	The role of this actor consists in providing the business logic for status management and other purposes. As a second role it acts as a “relaying role” where certain standard XDS communication is routed through for providing the possibility of applying project-specific business logic on it. It provides special query-transactions which consuming actors (prescription placer, pharmaceutical adviser or medication dispenser) used for reducing the amount of data flowing to them. They return just “relevant” information for specific purposes (e.g., returning just all “active” prescriptions ready for being validated or dispensed together with all related documents). This actor is usually a system actor without human participation.
Conformal Arc Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with conformal arc treatment beams.
Conformal Arc Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with conformal arc treatment beams.

Actor Name	Actor Description
Consult Manager	The participant that performs the following actions and related tasks: - Analyzing any alarm situations and deciding how to manage them – tasks ANALYZE AND REQUEST VISIT, ANALYZE AND CHANGE PROTOCOL, ANALYZE AND TAKE CLINICAL ACTION and ANALYZE AND TAKE NO ACTION; -If a specialist visit is needed, producing an eReferral Document and creating the related eReferral Workflow Document or a Consult Note – task ANALYZE AND REQUEST VISIT; -After receive the Clinical Report of the visit by the specialist as the end of the eReferral process, checking the visit’s outcomes and confirming the telemonitoring protocol – task VISIT RESULT; -If a change of protocol is decided, updating the Telemonitoring Protocol Document – task ANALYZE AND CHANGE PROTOCOL; -If clinical actions are decided (e.g., change therapy) – task ANALYZE AND TAKE CLINICAL ACTION; -If no action is decided – task ANALYZE AND TAKE NO ACTION. -Request of closing for the service or acceptance/refusing of closing for the service when requested by the Care Manager – task “Close Telemonitoring Service”
Content Agent	The Content Agent actor accesses clinical information in structured and non-structured form. It provides a mechanism for a clinician to add new information to the structured and nonstructured information. It authenticates the clinician prior to storage of the additional information data (this step may be combined with other authentication steps used to finalize the record).
Content Consumer	The Content Consumer is responsible for viewing, importing, or other processing of content created by a Content Creator.
Content Consumer	Views, imports, or processes content created by a Content Creator.
Content Creator	The Content Creator is responsible for the creation of content and transmission to a Content Consumer.
Content Creator	Creates content for later consumption by a Content Consumer.
Content Data Structure Consumer	The Content Data Structure Consumer consumes a message structure definition that may be employed by a Content Creator to develop profile-conformant messages for exchange with a Content Consumer.
Content Data Structure Creator	The Content Data Structure Creator creates a message structure definition that may be employed by a Content Creator to develop profile-conformant messages for exchange with a Content Consumer.
Content Updater	
Context Manager	Brokers context information (such as current patient subject) between context.

Actor Name	Actor Description
Context Manager	This actor serves as a broker for the communication between two or more context participant actors (either Patient Context Participant or User Context Participant). It supports the passing of the user and patient subjects
Contourer	A system that consumes CT and creates RT Structure Set. If the Contourer consumes multiple series CT or has an internal requirement for resampling, it also will generate a single series CT to which the RT Structure Set maps.
Contourer	Consumes CTs and creates RT Structure Sets.
Data Consumer	The Data Consumer is responsible for initiating a query to a Data Responder for resource information, and receiving the result of the query. VRDR Supplement (2017) TF 2:3.47.2 The Data Consumer is responsible for creating a FHIR-based request for death reporting related health information and retrieving this information from the Data responder.
Data Element Extractor	The Data Element Extractor extracts data elements from documents along with the associated provenance information that traces back to the source document.
Data Element Provenance Consumer	The Data Element Provenance Consumer uses the provenance information associated with data elements to access the source information.
Data Responder	A Data Responder is a system that may have information that can be used by a Form Manager in preparation of form data. It is available to respond to RESTful queries from trusted Form Manager systems.
Data Responder	The Data Responder is responsible for receiving a query and supplying the corresponding resource information
Decision Support Service	The Decision Support Service processes the result and returns a response to the Care Manager Actor in that same transaction.
Dental Document Recipient	Receives DICOM SOP Instances and image reports and associated documents.
Dental Document Source	Sends DICOM SOP Instances and image reports and associated documents.
Department System Scheduler/Order Filler	Manages the scheduling and performance of orders for diagnostic services (e.g., cardiology, radiology, cytology & anatomic pathology examinations, in vitro diagnostic testing) in a department or setting offering such services.
Department System Scheduler/Order Filler	A department-based information system (for instance, Radiology or Laboratory) that provides functions related to the management of orders received from external systems or through the department system s user interface. Upon a defined workflow action, makes procedures available for charge posting. The action/event that actually causes charges to post is defined by the actor.

Actor Name	Actor Description
Device Gateway	The Device Gateway Actor coordinates communication between the recording/viewing equipment and specialized monitoring (e.g., electronic fetal monitoring) or treatment (e.g., Infusion Pump) devices.
Device Management Information Consumer	The DMIC is a new and distinct destination actor and is likely to be a Computerized Maintenance Management System (CMMS), or more specifically a Clinical Equipment Management System (CEMS), but may also be an actor in a different profile (DEC DOC, ACM AM, IPEC DOC).
Device Management Information Reporter	The Device Management Information Reporter (DMIR) produces observations. The Device Management Information Reporter (DMIR) may also be an observation transaction sending actor in other IHE PCD profiles, such as a DEC DOR, an ACM AR, or an IPEC DOR. If that is the case then the observations defined in this document may be included in existing observation content for those profiles without adoption of this profile, unless the destination to which the observations are being sent is a CMMS and not an EMR/EHR system. If that the case then this profile should be implemented.
Device Observation Consumer	The actor responsible for receiving Patient Care Device data from the Device Observation Reporter, the Device Observation Filter, or both.
Device Observation Consumer / Alarm Manager	The Device Observation Consumer / Alarm Manager Actor accepts monitoring and alarm data from the Device Gateway and makes it available to healthcare providers.
Device Observation Filter	Provides publish/subscribe-based filtering of Patient Care Device data.
Device Observation Filter	The Device Observation Filter (DOF) actor is responsible for providing PCD data filtering services based on publish/subscribe predicates negotiated with client applications implementing the Device Observation Consumer.
Device Observation Reporter	Receives data from patient care devices and makes it available with consistent syntax and semantics.
Device Observation Reporter	The Device Observation Reporter (DOR) actor receives data from PCDs, including those based on proprietary formats, and maps the received data to transactions providing consistent syntax and semantics.
Device Observation Reporter	The Device Observation Reporter communicates information from the Hearing Screening Device, and may accept information from the Order Placer to identify the newborn being screened.
Device Observation Source	Referenced in PCC Remote Monitoring Supplement. Have not yet found the formal definition.

Actor Name	Actor Description
Dispensed Medication Repository	This repository contains the medication actually dispensed to the patient; this information is received from the medication dispenser. The dispensed medication repository provides the medication record of the patient to other actors such as the dispensed medication consumer.
Display	Requests and displays preformatted (“presentation-ready”) data.
Display	A system that offers requesting of specific information or documents for display the healthcare information returned
Distribution Message Receiver	The Distribution Message Receiver is responsible for receiving and processing the communications from the Distribution Message Transmitter.
Distribution Message Transmitter	The Distribution Message Transmitter is responsible for transmitting the source data that is communicated to the Distribution Message Receiver.
DNS Server	Provides authoritative network location information.
Document Administrator	The Document Administrator is an actor capable of updating and/or removing metadata from the Document Registry. This actor may also be capable of removing associated documents from the Document Repository.
Document Administrator	The Document Administrator supports metadata update by issuing the Update Document Set [ITI-57] transaction and Delete Document Set [ITI-62] transaction to the Document Registry.
Document Consumer	The Document Consumer queries for document metadata meeting certain criteria, and may retrieve selected documents
Document Consumer	The Document Consumer queries a Document Registry Actor for documents meeting certain criteria, and retrieves selected documents from one or more Document Repository actors.
Document Metadata Notification Broker	The Document Metadata Notification Broker is the receiver of the Document Metadata Subscribe transaction containing a subscription request, or a subscription cancellation. It keeps track of all subscriptions in the Metadata Notification domain, including the time limits of subscriptions. Based on the metadata associated with document registrations, this actor sends notifications to interested subscribers.
Document Metadata Notification Recipient	The Document Metadata Notification Recipient actor receives the notification about an event, when the subscription filters specified for this Document Metadata Notification Recipient are satisfied.
Document Metadata Publisher	The Document Metadata Publisher actor sends a Document Metadata Publish transaction to the Document Metadata Notification Broker for any event for which a subscription exists.
Document Metadata Subscriber	The Document Metadata Subscriber actor initiates and terminates subscriptions on behalf of a Document Metadata Notification Recipient.

Actor Name	Actor Description
Document Recipient	The Document Recipient receives documents and metadata sent by another actor
Document Registry	Manages and provides query access to meta-data about registered documents such as the document type, subject and where it is stored.
Document Registry	The Document Registry Actor maintains metadata about each registered document in a document entry. This includes a link to the Document in the Repository where it is stored. The Document Registry responds to queries from Document Consumer actors about documents meeting specific criteria. It also enforces some healthcare specific technical policies at the time of document registration.
Document Repository	Persistently stores documents and makes them available.
Document Repository	The Document Repository is responsible for both the persistent storage of these documents as well as for their registration with the appropriate Document Registry. It assigns a URI to documents for subsequent retrieval by a Document Consumer.
Document Responder	The receiver of and responder to requests for document entries and documents.
Document Responder	The Document Responder sends documents and/or metadata in response to a request from another actor.
Document Source	The Document Source is the producer and publisher of documents and metadata.
Dose Displayer	A system that consumes a Dosimetric Plan, CT, Structure Set and an RT Dose and displays the dose
Dose Information Consumer	Responsible for supplemental handling of irradiation events, generally on an individual basis, e.g. display, analysis, or further processing.
Dose Information Reporter	Responsible for the aggregation, analysis, reporting and business logic related to irradiation events, which may include meeting facility obligations to de-identify and submit data to various dose registers.
Dose Register	Collates information about irradiation events from a number of facilities, generally to perform analysis.
Dosimetric Planner	A system that consumes (single series) CT, an RT Structure Set, a Geometric Plan, and creates a Dosimetric Plan and an RT Dose.
DSS Order Filler Actor in U-EYECARE - Model I	DSS Order Filler Actor in U-EYECARE - Model I
DSS Order Filler in U-EYECARE - Model II	DSS Order Filler in U-EYECARE - Model II
DSS Order Filler in U-EYECARE - Model III	DSS Order Filler in U-EYECARE - Model III

Actor Name	Actor Description
eCR Client	eCR client actor is a grouping of the actors IHE Document Consumer, IHE Document Source, and IHE X-Service User.
eCR Provider	eCR provider is a grouping of the actors IHE Document Registry, IHE Document Repository, and IHE X-Service Provider. eCR Provider actor shall be deployed as a secure node.
Electronic Health Record System	Electronic Health Record System (EHR-S) is an actor supporting the functions of patient administration, scheduling, clinical records management, decision support, and external orders and referrals.
Eligibility Information Receiver	The system that initiates an inquiry to the Eligibility Information Source about an individual's insurance eligibility, coverage and benefits
Eligibility Information Source	The system which holds and maintains the information regarding the individual's insurance eligibility, coverage and benefits, and responds to the queries initiated by the Eligibility Information Receiver
Emergency Department Information System	A departmental system that supports management of the course of care in the ED and supports communications with other hospital systems. First defined in PCC BED Supplement, 8/2016.
Enterprise Report Repository	Receives Structured Report Export Transactions from the Report Manager and stores the report.
Event Consumer	Processes event reports.
Event Reporter	Composes and sends event reports to other actors.
Event Repository	Receives and manages event reports.
Evidence Creator	Creates evidence objects such as derived images, presentation states, Key Image Notes, and/or measurements (Evidence Documents), and transmits them to an Image Archive.
Evidence Creator	A system that creates additional evidence objects such as images, presentation states, Key Image Notes, and/or Evidence Documents and transmits them to an Image Archive. It also makes requests for storage commitment to the Image Manager for the data previously transmitted. It may also retrieve worklist entries for post-processing steps from the Post-Processing Manager and provide notification of completion of the step, allowing the enterprise to track the status of post-processing work.
Execution Information Creator	The actor that provides endoscopy execution information to the OP.
Export Manager	De-identifies, pseudonymizes and exports imaging data.
Export Manager	A system that can de-identify and pseudonymize the attributes, and optionally the pixel data, of a selected list of instances, before exporting them.
Export Selector	Selects and tags imaging data for export, e.g. to a teaching file or a clinical trial.

Actor Name	Actor Description
Export Selector	A system that allows a user to select one or more instances, series or studies for export, for a specific purpose, with a specific disposition, optionally with the inclusion of additional information.
External Report Repository Access	Retrieves clinical reports generated outside the imaging department.
External Report Repository Access	A system that performs retrieval of clinical reports containing information generated outside the Radiology department and presented as DICOM Structured Reporting Objects.
Extraction Specification Manager	Deprecated with QRPH RSP Profile.
File Consumer	The File Consumer queries a File Manager for file metadata meeting certain criteria, and may retrieve selected files.
File Manager	This actor stores files provided by the File Source and maintains related metadata. The File Manager responds to search and retrieve requests initiated by the File Consumer. The File Manager responds to metadata update requests initiated by the File Source.
File Source	The File Source publishes and updates files produced by either the File Source or by other systems. It is responsible for sending files and related metadata to a File Manager.
Form Archiver	The actor responsible for receiving form instance data for archival purposes.
Form Archiver	A system or module in a CRD framework, the purpose of which is to receive the raw CCD and the completed form from the Form Filler.
Form Filler	The actor responsible for retrieving a form from a Form Manager, and for submitting form instance data to a Form Receiver.
Form Filler	A system or module in a CRD framework, the purpose of which is to retrieve a form from the Form Manager and provide pre-population data.
Form Filler	A Form Filler is a system that needs to complete forms that are managed by an external entity.
Form Manager	The actor that supplies a form based upon a request that supplies a unique form identification.
Form Manager	A system or module in a CRD framework, the purpose of which is to provide a form to the Form Filler, to apply pre-population data.
Form Manager	A Form Manager is a system that maintains form definitions and can provide them to systems that need to fill them out.
Form Processor	The Form Processor is an integrated Form Manager and Form Receiver, supporting all of the transactions and options of those actors. The Form Processor constructs form such that form data is submitted back to itself.
Form Processor CDA Exporter	The Form Processor CDA Exporter receives data submitted through the Submit Form [ITI-35] transaction, transforms that data to create a CDA document, and shares that newly created CDA document with a Content Consumer.

Actor Name	Actor Description
Form Processor Message Exporter	The Form Receiver Message Exporter receives data submitted through the Submit Form [ITI-35] transaction, transforms that data to an HL7 message, and sends that message to an Information Recipient.
Form Receiver	The actor that receives form instance data.
Form Receiver	A system or module in a CRD framework, the purpose of which is to receive completed forms from the Form Filler.
Form Receiver CDA Exporter	This Form Receiver CDA Exporter receives data submitted through the Submit Form Transaction (ITI-35), transforms that data to create a CDA document, and shares that newly created CDA document with a Content Consumer.
Form Receiver CDA Exporter	The Form Receiver CDA Exporter SHALL conform to the requirements specified for the Form Receiver in the ITI RFD Profile. Additionally, this actor SHALL create and export a CDA document that meets the requirements of a specified document template defined by the profile in which the actor appears. Profiles that use this actor SHALL include a mapping from the data elements of the form data to the data elements of the CDA document template used to create the exported CDA.
Form Receiver Message Exporter	This Form Receiver Message Exporter receives data submitted through the Submit Form Transaction (ITI-35), transforms that data to an HL7 message and sends that message to an Information Recipient.
General Clinician Manager	The participant that performs the following actions and related tasks: - Creates the Workflow Document for the telemonitoring of the patient, - creates the Request Activation Document - task REQUEST ACTIVATION
Generic HITSP Actor	
Geometric Planner	A system that consumes (single series) CT and RT Structure Set and creates a Geometric Plan
Guideline Manager	The guideline manager actor is responsible for managing the guidelines used to create care plans, and for communicating those guidelines to other systems.
Hard Wedge Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with static treatment beams using physical wedges.
Hard Wedge Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with static treatment beams using physical wedges.

Actor Name	Actor Description
Heart Team Manager	The Heart Team Manager (or HT Manager) is responsible for accepting/refusing the management of HT received from the HT Requester by initiating the Accept/Reject HT Management transaction. The HT Manager is responsible for assigning staff to the HT by initiating the “Assign HT Participation” transaction. The process of defining the list of participants is outside the scope of this profile. The HT Manager is also responsible for planning the team’s communication, initiating the “Plan HT Discussion” transaction, and creating the Final Report as part of the “Perform HT evaluation” transaction. First defined in PCC XCHT-WD Supplement, 8/2016.
Heart Team Participant	A Heart Team Participant (HT Participant) is responsible for accepting or refusing to participate in the HT initiating the “Accept/Reject HT” transaction and for requesting more information. Heart Team Participant is also responsible of providing individual evaluation reports, which will be needed in preparation for HT discussion. First defined in PCC XCHT-WD Supplement, 8/2016.
Heart Team Requester	The Heart Team Requester (HT Requester) is responsible for initiating the workflow of the HT process. The HT Requester is responsible for assigning a HT Manager to this workflow instance by invoking the “Assign HT Management” transaction. The HT Requester is responsible for making available more clinical information (reports, images or eReferral workflow) to all HT members using the “Add results of more clinical information Transaction”. The HT Requester is responsible for completing the workflow by receiving the Final Report, acknowledging the receipt of the report, and making available new clinical results, if requested, with the Finalization transaction. This transaction completes the workflow. First defined in PCC XCHT-WD Supplement, 8/2016.
HITSP Administrative Transport Client	A provider sending a request to a health plan has a client role
HITSP Administrative Transport Server	A health plan responding to a request from a provider has a server role
HITSP Information Receiver for Health Plan Authorization	The system that initiates a request to the Information Source for Health Plan Authorization about an individuals health insurance requirements to obtain an authorization approval for purposes of benefit coverage determination in order to refer a patient for healthcare services
HITSP Information Source for Health Plan Authorization	The system which holds and maintains the information regarding the individual’s health insurance requirements related to an authorization for benefit coverage
HITSP Laboratory Result Message Sender	The holder of a laboratory result who is communicating a laboratory result message to another actor

Actor Name	Actor Description
HITSP Medication Formulary and Benefits Retriever	The entity that is asking about an individual's formulary and benefits information. It initiates queries to the Medication Formulary and Benefits Source
HITSP Medication Formulary and Benefits Source	The entity that maintains individual's formulary and benefits information. It responds to queries from the Medication Formulary and Benefits Retriever
HITSP Medication Order Filler	The Medication Order Filler responds to the requests for medication orders/prescriptions. This includes the ability to respond to: new orders, refill orders, change orders and cancel orders. These responses are sent to the Medication Order Prescriber.
HITSP Medication Order Prescriber	The Medication Order Prescriber initiates requests for medication orders/prescriptions. This includes the ability to: create new orders, refill orders, change orders and cancel orders. These requests are sent to the Medication Order Filler.
HITSP Medication Status Dispenser	The Medication Status Dispenser provides a dispensing status (RXFILL message) to a Medication Status Receiver about a previously performed medication order / prescription.
HITSP Medication Status Receiver	The Medication Status Receiver receives a dispensing status (RXFILL message) from a Medication Status Dispenser about a previously performed medication order / prescription.
HITSP Pseudonymization Services	Module or service that can be invoked by Patient Identifier Cross-Reference (PIX) Manager (see next section) to return pseudo-identifier upon request.
HITSP Service User	The entity represents any individual entity (such as an EHR/PHR system) that needs to make a service request of a Service Provider. The Entity may also be known as a principal and/or entity, which represents an application, a machine, or any other type of entity that may act as a requester in a transaction. A principal is typically represented in a transaction with a digital identity and the principal may have multiple valid digital identities to use with different transactions. Any Service User may also be a Service Provider
HL7 Message Router	A system that receives HL7 messages, routes them to one or more configured actors, and handles transport level acknowledgements. The HL7 Message Router may also provide modification of the messages in accordance with specific profiles.
Hosted Application	an application (program) runs in an environment provided by a host.
Hosting System	a system that hosts applications, including providing an execution environment and mediating interactions with resources.
HT Manager	The actor is responsible for : -accepting/refusing the management of HT by HT Requester, -staffing of HT, -performing the HT, planning team's communication, if requested, and creating Final Report

Actor Name	Actor Description
HT Participant	The actor is responsible for: -accepting/refusing to participate to HT, - providing request more clinical information, if needed, -providing individual evaluation reports
HT Requestor	The actor is responsible for: -initiating the workflow of HT process for clinical support, -assigning the management of HT to a HT Manager, -providing more clinical information, if requested, -completing the workflow by receiving the Final Report, and acknowledging the receiving of that report, providing also new clinical results.
Image Archive	Provides long term storage of imaging data such as images, measurements, presentation states, and manifests (e.g., a PACS).
Image Capturer	A creator of DICOM® composite instances.
Image Display	Queries for, retrieves and displays imaging data.
Image Display	A part of a system that can access imaging evidence objects (images, Presentation States, Key Image Notes, Evidence Documents) through network query/retrieve or reading interchange media and allow the user to view these objects.
Image Display Invoker	Requests display of DICOM image studies.
Image Manager	Manages and provides access to stored imaging objects.
Image Manager	Stores DICOM objects without guarantee of long-term storage.
Image Manager/Archive	A system that provides functions related to safe data storage and image data handling. It supplies image availability information to the Department System Scheduler. It is always grouped with an Image Archive to provide long term storage of images, presentation states, Key Image Notes, and Evidence Documents.
Image Manager-Image Archive in U-EYECARE - Model I	Image Manager-Image Archive in U-EYECARE - Model I
Image Manager-Image Archive in U-EYECARE Model III	Image Manager-Image Archive in U-EYECARE Model III
Image Storage/Display	A system responsible for receiving DICOM SOP Instances, storing those SOP Instances, and the ability to present them for viewing to the user.
Imaging Document Consumer	Retrieves imaging data based on references in a retrieved imaging manifest.
Imaging Document Consumer	The Imaging Document Source actor is the producer and publisher of imaging documents. It is responsible for providing imaging documents and meta-data to the Document Repository actor, which subsequently registers the imaging documents with the Document Registry actor. It also supports the retrieval services for DICOM SOP Instances referenced in a published imaging manifest document.
Imaging Document Recipient	Receives DICOM SOP Instances and image reports.
Imaging Document Source	Publishes imaging data and makes it available for retrieval.
Imaging Document Source	Sends DICOM SOP Instances and image reports.

Actor Name	Actor Description
Imaging Order Filler	The Imaging Order Filler Actor represents the information system that receives and processes orders for imaging services. The Imaging Order Filler is a minor variation of Order Filler in the Structured Workflow (SWF) profile of the IHE Radiology Technical Framework. It supports the same ordering transactions as found in the SWF profile, but has one required and two optional transactions. From the perspective of the care providers in this profile, an Imaging Order Filler is a single information system that manages orders and results for a given type of study.
IMAT/VMAT Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with VMAT/IMAT IMRT treatment beams.
IMAT/VMAT Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with VMAT/IMAT IMRT treatment beams.
Implantable Device Cardiac Consumer	Receives cardiac implantable device data.
Implantable Device Cardiac Reporter	Reports (sends) data from Cardiac Implantable Devices.
Importer	Imports and reconciles imaging data.
Importer	A system that imports evidence documents such as images, presentation states, Key Image Notes or Evidence Documents from hardcopy or digital media.
Information Recipient	Receives event notification information from the Information Source, applies matching and filtering rules to determine which content to accept and which content to reject. It receives or rejects event notification information based on the content matching and filtering rules.
Information Recipient	A system that receives event notification information from another system. The system determines if it should receive and consume the event information. It uses the event notification information to trigger a workflow.
Information Recipient (HL7)	The Information Recipient Actor is responsible for receiving the HL7 V2.6 message from an Information Source or from a Form Receiver Message Exporter.
Information Source	Provides presentation-ready information or documents.
Information Source	A system that responds to requests for specific information or documents and returns ready for presentation information to be displays on the requesting actor.
Information Source	A system that populates and communicates event notification information.
Information Source (HL7)	The Information Source Actor is responsible for creating and transmitting an HL7 V2.6 message to an Information Recipient.

Actor Name	Actor Description
Information Src	Provides notification of an admission or discharge of a patient or person known to the Information Source. The event message includes information about the patient needed by the Information Resource.
Infusion Order Consumer	Programs an infusion pump based on order information.
Infusion Order Consumer	The Infusion Order Consumer (IOC) actor receives the order information from the IOP actor and in turn programs the pump.
Infusion Order Programmer	Provides infusion pump order information.
Infusion Order Programmer	The Infusion Order Programmer (IOP) actor sends the information comprising an order to the Infusion Order Consumer (IOC).
Initiating Gateway	Supports all outgoing inter-community communications.
Initiating Imaging Gateway	The Initiating Imaging Gateway Actor proxies Imaging Document Set Retrieve requests from an Image Document Consumer to a Responding Imaging Gateway with a Cross Gateway Retrieve Imaging Document Set transaction.
Integrated Document Source/Repository	The Integrated Document Source/Repository is an XDS combination of Document Source and Document Repository that does not expose the interface between the Source and Repository. That is, this Source only publishes documents to its own Repository. It does register documents with a Document Registry
Integrated ECG Manager	A system that manages the acquisition workflow of resting ECGs.
Integrated Electronic Health Record System	The Integrated Electronic Health Record System combines the functionality of the EHR-S, DSS/OS, and PPS Manager actors in an integrated implementation. In such an integrated implementation, the transactions between the EHR-S and the DSS/OF are not externalized; i.e., patient and order management are solely the internal responsibility of the Integrated EHR-S implementation.
Integrated Report Manager/Repository	A system that manages the status of reporting, and additionally maintains an internal report repository.
Kerberized Server	Receives user authentication information for further use by the service that contains this actor.
Kerberos Authentication Server	Provides central authentication of enterprise users.
Knowledge Requestor	The system that formulates and sends a contextual request for ancillary information about a medical concept. Takes the parameters and sends to the resource available
Knowledge Resource	The system that holds the information requested and responds to the request from the Knowledge Requestor
Label Broker	Delivers pre-identified labels or labeled containers for the collection of biological specimens requested for the performance of in vitro diagnostic testing orders.
Label Broker	The Label Broker receives label information, and delivers these labels in appropriate operations, and may notify the status of this process.

Actor Name	Actor Description
Label Information Provider	An actor that provides the actor Label broker with label information
Label Information Provider	Manages and provides specimen labeling instructions.
Laboratory Order Filler	The Laboratory Order Filler Actor represents the information system that receives and processes orders for laboratory testing. The Laboratory Order Filler actor is a simplification of the Order Filler in the Laboratory Testing Workflow (LTW) profile of the IHE Laboratory Technical Framework. It supports the same ordering transactions as found in the LTW profile, but has one optional transaction. The Laboratory Order Filler implementing the Content Exchange option also supports the direct exchange of laboratory reports via the PCC-0 Exchange Content transaction using the content specified in XD-LAB profile.
Laboratory Result Message Receiver	An authorized entity that is receiving a laboratory result message
Location Observation Consumer	The profile actor that receives Location Services observations. The LOC may also be an actor in a different profile (DEC DOC, ACM AM, IPEC DOC). It is highly likely that the Location Observation Consumer (LOC) may also be an observation transaction receiving actor in other IHE PCD profiles. If the observation is simply to be recorded it is likely to be a DEC DOC or IPEC DOC actor. If the observation is to be acted upon it is likely to be an ACM AM Actor. If the location observation is to be used for equipment management the LOC actor is likely to be a MEMDMC DMIC actor (a CMMS).
Location Observation Reporter	The profile actor that sends Location Services observations of location for devices or people and data from Location Services tags. The LOR is likely to be a Location Services system (LS) also recognized by the underlying technology used for equipment and people tracking, such as Radio Frequency Identification (RFID) or Real Time Location Services (RTLS), but may also be an actor in a different profile (DEC DOR, ACM AR, IPEC DOR), assuming the location tracking and reporting capability is embedded into the medical device or the location observation is merged with the medical device data in a gateway system prior to it being sent to the observation consumer
Master Patient Index (MPI)	Maintains unique enterprise-wide identifiers for patients.
Medical Device Reporter	Reports on uses of medical devices. First defined in PMDT Profile
Medical Device Requester	Requests for uses of medical devices. First defined in PCC:PMDT Supplement
Medical Device Server	Reports on uses of medical devices. First defined in PMDT supplement
Medication Administration Consumer	Receives the reports of administration of medications

Actor Name	Actor Description
Medication Administration Informer	Sends the reports of the administration actions performed.
Medication Administration Performer	Receives instructions for administration of medications to patients, to perform the necessary checks and display it to the user (patient or healthcare professional)
Medication Administration Request Placer	Submits the instance orders of medication administrations to the medication Administration Performer.
Medication Dispenser	This actor is responsible for the process of dispensing medication to the patient, fulfilling the prescription. Therefore it produces the information on the medication dispensed to the patient. In order to achieve this, it receives prescriptions already validated. It also confirms drug availability for administration and it receives the administration plan and administration reports. This actor may be implemented as the point of sale software of a community pharmacy or the hospital pharmacy module of a hospital information system. The human actor behind this system actor is usually a pharmacist or a pharmacist assistant. In addition to the dispense, in this version this actor is considered to take care of all the dependencies to ensure a proper dispensing.
Medication Treatment Planner	The main role of this actor consists in adding a new Medication Treatment Plan Item. It sends the cancelation of the planned item or its discontinuation, as well. In order to fulfill this task, the 290 Medication Treatment Planner retrieves the current set of planned medications of the patient.
Metadata Consumer	The Metadata Consumer is responsible for the importation of metadata created by the Metadata Source. The Metadata Consumer can optionally query the Metadata Source for a list of Data Elements matching a selection criteria.
Metadata Source	The Metadata Source is responsible for creation of the Data Element list matching a selection criteria and the creation of metadata for a selected Data Element per request from the Metadata Consumer. The Metadata Source is associated with a metadata registry.
Metadata-Limited Document Source	The Metadata-Limited Document Source sends documents and metadata similar to a Document Source but is limited in the quantity of metadata it is able to provide.
MLC Fixed Aperture Arc Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with MLC Fixed Aperture arc treatment beams.
MLC Fixed Aperture Arc Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with MLC Fixed Aperture arc treatment beams.

Actor Name	Actor Description
MLC Variable Aperture Arc Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with MLC Variable Aperture arc treatment beams.
MLC Variable Aperture Arc Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with MLC Variable Aperture arc treatment beams.
Motorized Wedge Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with static treatment beams using motorized wedges.
Motorized Wedge Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with static treatment beams using motorized wedges.
National Contact Point Country A	This is the country of affiliation of the patient
National Contact Point Country B	This is the country of care
Newborn Admission Notification Manager	A system or a module in a NANI framework, the purpose of which is to process subscription/un-subscription requests, to keep track of existing subscriptions, to receive information, and based on the set of filters for each subscription to send a notification about the received information to the appropriate Newborn Admission Notification Recipients.
Newborn Admission Notification Subscriber	A system or a module in a NANI framework, the purpose of which is to receive and process notifications from the Newborn Admission Notification Manager.
Notification Pull Point	The Notification Pull Point is the actor that stores notifications targeted to a specific Document Metadata Notification Recipient that cannot be directly notified. This actor delivers notifications to the Notification Puller when requested.
Notification Puller	The Notification Puller is the actor that can create a pull point resource for the storing of notifications. It pulls notifications stored in a Notification Pull point actor when requested.
Notification Receiver	This actor receives notifications of availability for documents in an XDS registry, and may optionally send acknowledgments of them.
Notification Sender	This actor sends notifications of availability for documents in an XDS registry, and receives acknowledgements of these notifications.
On-Demand Document Source	The On-Demand Document Source is the producer and publisher of On-Demand Documents. This actor registers On-Demand Document Entries with the Document Registry and responds to Retrieve Document Set transactions with a document reflecting current information for the entry requested.
Order Evaluation Requester	An actor that requests evaluation of a proposed action to determine whether it may or should be initiated. First defined: PCC Guideline Appropriate Ordering (GAO) Supplement, May 2015
Order Filler	See Department System Scheduler/Order Filler

Actor Name	Actor Description
Order Filler	The actor that receives and processes (fills) orders. It also receives order cancellations.
Order Filler	The Order Filler Actor represents an information system that receives and process orders for services.
Order Placer	Generates and distributes orders to various departments.
Order Placer	The actor that places orders or cancels orders on necessity.
Order Placer	A hospital or enterprise-wide system that generates orders for various departments and distributes those orders to the correct department.
Order Result Tracker	Stores and manages laboratory or pathology observations and associated results.
Order Result Tracker	A hospital or enterprise-wide system that stores observations of various types (test results, images, clinical examinations reports, radiology reports, surgical act reports) obtained for the patients, registers all state changes in the results notified by Order Fillers. This actor doesn't store standalone observations, but ordered observations. The observations are always stored within the context of the order that generated them, with all the information related to that order.
Patient Context Participant	Initiates and responds to patient context changes.
Patient Context Participant	This actor participates in a shared context environment by both setting the patient context and responding to context changes as communicated by the Context Manager Actor. This actor shall respond to all patient context changes. This actor shall set the patient context, if the application containing this actor has patient selection capability.
Patient Demographics Consumer	Uses demographic information.
Patient Demographics Consumer	This actor allows a user to associate information with a patient at the point of care.
Patient Demographics Supplier	Provides a searchable repository of patient demographic information.
Patient Demographics Supplier	A repository of patient information that can be searched on demographic or visit-related fields.
Patient Encounter Consumer	Uses patient encounter information.
Patient Encounter Consumer	A system that uses patient encounter information provided by the Patient Encounter Source about a patient. It must be grouped with the Patient Demographics Consumer.
Patient Encounter Supplier	Manages and provides information about new and existing encounters.

Actor Name	Actor Description
Patient Encounter Supplier	A system responsible for adding, updating and maintaining encounter information about a patient. It supplies new and updated information to the Patient Encounter Consumer. It must be grouped with either the Patient Demographics Source or the Patient Demographics Consumer.
Patient Identifier Cross-reference Consumer	Obtains and uses the identification of a patient in different Patient Identifier Domains.
Patient Identifier Cross-reference Consumer	This actor allows a system in a Patient Identification Domain to find out the identification of a patient in a different Patient Identification Domain by using the services of a Patient Identity Cross-Reference Manager Actor.
Patient Identifier Cross-reference Manager	Provides cross-referencing of patient identifiers across Patient Identifier Domains.
Patient Identity Cross-reference Manager	Serves a well-defined set of Patient Identification Domains. Based on information provided by in each Patient Identification Domain by a Patient Identification Source Actor, it manages the cross-referencing of patient identifiers across Patient Identification Domains.
Patient Identity Source	Provides a unique identifier and identity traits for each patient.
Patient Identity Source	Each Patient Identification Domain requires this Actor to assign patient identities and to notify a Patient Identity Cross-reference Manager Actor of all events related to patient identification (creation, update, merge, etc.). For example, the Registration (ADT) Actor defined by the radiology Scheduled Workflow Profile would likely be a Patient Identity Source.
Patient Location Tracking Consumer	Searches for current patient locations.
Patient Location Tracking Manager	Manages patient locations within an enterprise.
Patient Location Tracking Supplier	Provides updated patient locations.
Patient Registration	The Patient Registration Actor is responsible for communicating patient demographics and administrative data (e.g., insurance) to other actors in this profile. These other actors may choose to accept this information from the Patient Registration Actor, or may provide another mechanism to support registration. The actors that support the Patient Registration Option will accept this communication from the Patient Registration Actor
Patient Registration Consumer	An information system responsible for consuming patient appointment information. It updates its system with the appointment information and statuses.
Patient Registration Source	A system responsible for the generation of patient demographic and visit information. It registers new patients and provides updates.
Performed Procedure Step Manager	Re-distributes Performed Procedure Step information.

Actor Name	Actor Description
Performed Procedure Step Manager	A system that re-distributes the Modality Performed Procedure Step information from the Acquisition Modality or Image Creator to the Department System Scheduler/Order Filler and Image Manager.
Personal Health Record	The Personal Health Record actor represents the information system storing a s personal health data. This actor is responsible for supplying personal health data to the Care Manager actors through the PCC-0 Exchange Content transaction using the PHR Extract content specified in the Exchange of Personal Health Record Content profile.
Personnel White Pages Consumer	Uses information from the Personnel White Pages Directory.
Personnel White Pages Consumer	This actor has a use for information that can be found in the Personnel White Pages Directory.
Personnel White Pages Directory	Holds authoritative Personnel White Pages information.
Personnel White Pages Directory	This actor has authoritative Personnel White Pages information on the human workforce members of the enterprise.
Pharmaceutical Advice Repository	This repository contains the pharmaceutical advice issued by the pharmaceutical adviser (typically a pharmacist). It provides this information to the prescription & pharmaceutical advice consumer.
Pharmaceutical Adviser	This actor is responsible for the validation of prescriptions from a pharmacist's perspective. Therefore, it receives the initial prescription, validates it and sends it back (accepted, cancelled, modified, substitution of pharmaceutical product); therefore it provides the pharmaceutical advice. To perform this task it checks the current treatment. The pharmaceutical advice can be due to clinical, legal, or supply aspects. This actor may be implemented in the hospital pharmacy module of a hospital information system or the point of sale software of the pharmacy. The corresponding human actor is typically a pharmacist (or pharmacist assistant).
Photon Applicator Arc Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with stereotactic arc treatment beams.
Photon Applicator Arc Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with stereotactic arc treatment beams.
Photon Applicator Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with static, stereotactic arc treatment beams.
Photon Applicator Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with static, stereotactic arc treatment beams.

Actor Name	Actor Description
Plan of Care Manager	The actor knows about the jurisdictionally defined public health EHDl guidelines. Upon receiving a birth notification, this actor initiates an EHDl-WD workflow process for the specified patient. It creates the initial Hearing Plan of Care and records the hearing screening activities recommended for the newborn. It updates the Hearing Plan of Care when an Outcome Report becomes available, or a Care Summary becomes available. It closes the workflow once the Hearing Plan of Care has been updated with the Care Summary information generated at the time of discharge. See EHDl-WD Trial Implementation Supplement 2016, Vol 1 Section X.1.1.1
Point Of Care Data Manager	This actor used in LPOCT profile is an application managing a set of POCRG and centralizing their results. The POCDM is ready to react to any conversation from a POCRG. The POCDM receives point of care observations from POCRG actors. It controls these observations within their context, stores them and forwards them to the Order Filler.
Point Of Care Data Manager	Manages a set of point of care in vitro diagnostic devices and centralizes their results.
Point Of Care Result Generator	A system which receives code sets from Code Set Master(s) and updates its internal tables to reflect the code set as maintained by the Code Set Master. This system may also be an Order Placer, an Order Result Tracker, an Automation Manager, or an Order Filler.
Point Of Care Results Generator	Produces in vitro diagnostic observations on the point of care.
Portable Media Creator	This actor assembles the content of the media and writes it to the physical medium.
Portable Media Importer	Reads imaging data on media, and reconciles and stores the instances.
Portable Media Importer	This actor reads the DICOM information (DICOM FSR) contained on the media. This system provides the user the ability to select a set of DICOM instances and reconcile key patient and study attributes (when necessary) to facilitate inclusion of the imported data in the local information system(s).
Portable Media Sender	The Portable Media Sender actor will never appear in an Integration Statement, since it only exists in the context of the Sending Software Option of the Portable Media Creator
Positioning and Delivery System	A system that determines and corrects patient position then delivers therapeutic radiation.
Post-Processing Manager	Schedules and manages post-processing worklists.

Actor Name	Actor Description
Post-Processing Manager	A system that provides functions related to post-processing worklist management. This involves the ability to schedule post-processing worklist items (scheduled procedure steps), provide worklist items to post-processing worklist clients, and update the status of scheduled and performed procedure steps as received from post-processing worklist clients.
Pre/Post-Processor	Processes biological specimens (e.g., sorters, aliquoters, decappers, specimen conveyors, specimen storage systems).
Pre/Post-processor	An actor which provides some pre- and post- processes to the specimen. This actor is categorized to two sub categories, one is pre-processor and the other one is post-processor. A Pre/Post-processor processes a specimen according to SWOS, and return the result to the AM.
Prescriber	A prescriber is an abstract actor who issues a prescription to a patient (generally a healthcare professional, usually a physician during treatment of a patient).
Prescription Placer	The main role of this actor consists in placing the prescription (initial or modified in case of a substitution of invalidation, for example). It sends the cancellation of the prescription or its discontinuation, as well. In order to fulfill this task, the prescription placer retrieves the current treatment of the patient and medication already dispensed recently. The prescription placer receives the pharmaceutical validation and status tracking information such as substitution, availability, administration plan and reports and cancellation. The corresponding human actor is a prescriber.
Prescription Repository	This repository contains the medication prescribed to the patient from the prescription placer and may receive updates to the current treatment (cancellations, changes, etc.). It also provides the current treatment to other actors such as the prescription consumer.
Print Composer	A system that generates DICOM print requests to the Print Server. Print requests include presentation state information in the form of Presentation Look-Up Tables (Presentation LUTs). It may also read the DICOM information contained on interchange media.
Print Server	Renders hardcopy images based on print requests.
Print Server	A system that accepts and processes DICOM print requests as a DICOM Print SCP and performs image rendering on hardcopy media. The system must support pixel rendering according to the DICOM Grayscale Standard Display Function.

Actor Name	Actor Description
Process Activity Executor	The ProcessActivityExecutor performs activities as prescribed by a running process being managed by a ProcessStateManager. The ProcessActivityExecutor retrieves current activity or task lists, works its list, updating the ProcessStateManager on activity state until completion. This cycle is repeated until all process activities have been worked and the process itself completes.
Process Definition Manager	The ProcessDefinitionManager manages access to a repository of process definitions allowing for search and retrieval.
Process State Manager	The ProcessStateManager manages the initiation and state of runtime process instances. The ProcessStateManager typically also supports the initiation and lifecycle management of task activities associated with a process while providing the ability for task performers to retrieve and update activities.
Protocol Archive	Stores protocols and supports query and retrieval.
Protocol Definition Manager	Protocol Definition Manager
Protocol Executor	Protocol Executor
Protocol Manager	Manages protocols used by Acquisition Modalities.
Protocol State Manager	Protocol State Manager
Provider Information Consumer	Accesses healthcare provider data from a Provider Information Directory.
Provider Information Directory	Supports a directory of healthcare providers. The directory can include: Only Individual Providers, Only Organizational Providers , Organizational Providers and Individual Providers
Provider Information Source	Submits healthcare provider data to a Provider Information Directory and receives an acknowledgement that the submission has been received.
Query Requestor	DAF Query Requestor - responsible for Sending the query and receiving the response from the Responding application. First defined: DAF Implementation Guide, Sep 2015, PCC US National Extension
Query Responder	DAF Query Responder - responsible for Receiving the query request, processing the query request, creating the query response and sending the query response. First defined: DAF Implementation Guide, Sep 2015, PCC US National Extension
Radiopharmaceutical Activity Supplier	A laboratory system, dose creation and/or measurement system used to generate or administer a radiopharmaceutical to a patient as part of a Nuclear Medicine procedure.
Receiver	A system that can receive exported instances over the network, whose behavior is otherwise unspecified, unless grouped with other actors.

Actor Name	Actor Description
Reconciliation Agent	The Reconciliation Agent actor accesses clinical information in structured form. It automatically identifies potentially duplicated, overlapping, conflicting, or superseded information based upon application knowledge and provides that information for presentation to a clinician to complete the reconciliation process. It presents the demographics used identify the patient provided by each separate source of clinical information to the end user. It highlights inconsistencies found during the automated reconciliation process and provides the clinician with mechanisms to adjust or correct the input. It provides a mechanism for a clinician to add new information to the reconciled results. It authenticates the clinician prior to storage of the reconciled data (this step may be combined with other authentication steps used to finalize the record). It stores the data for future use by other actors.
Redactor	Deprecated with QRPH RSP Profile.
Referral Dispatcher	
Referral Initiator	The provider, organization, or system, which initiates the referral
Referral Performer	Participant responsible for execution of the visit. This workflow participant encapsulate many entities within the enterprise that responds to the referral request and produce the clinical report of the visit ending the eReferral process
Referral Recipient	The provider, organization, or system, which will perform the services for which the patient is referred.
Referral Requester	Health Professional (e.g., GP) that initiates the referral workflow. Produces the eReferral and the related supporting document.
Referral Scheduler	Participant responsible for the scheduling of the referral, by providing an appointment for the patient
Refractive Measurement Consumer	A system (such as an EHR) that is able to consume refractive measurements and import them into its database.
Refractive Measurement Source	A system (such as an autorefractor, auto-keratometer, lensometer, etc.) that is able to generate standard based refractive measurements.
Refractive Measurement Source Importer	A system able to import refractive measurements (typically with a proprietary connection) and synchronize them with a valid patient identifier to generate standard refractive measurements.
Registered Contourer	A system that consumes multi-modality images, RT Structure Set objects, and Spatial Registration objects and allows the user to contour images in a registered display.
Registered Display	A system that consumes multi-modality images, RT Structure Set objects, and Spatial Registration objects and allows the user to display the registered information

Actor Name	Actor Description
Registered Dose Display	A system that consumes multi-modality images, RT Structure Set objects, RT Dose objects and Spatial Registration objects and allows the user to display the registered information.
Registrar	A system that consumes multi-modality images and generates 1 or more Spatial Registration objects.
Report Assembler	This actor consumes standard CDA summary of care documents and creates standard patient level quality reports. Additionally, this actor may consume patient-level quality reports and produce the corresponding aggregate-level quality report for an electronic clinical quality measure.
Report Consumer	A system that receives imaging results (i.e., reports)
Report Creator	Generates and transmits diagnostic reports.
Report Creator	The actor the creates endoscopy observation report and send it to Order Placer.
Report Creator	A system that generates and transmits draft (and optionally, final) diagnostic reports. It may also retrieve work list entries for reporting steps from the Report Manager and provide notification of completion of the step, allowing the enterprise to track the status of an awaited report
Report Creator	A system that generates and transmits preliminary, final, or amended diagnostic results (i.e., reports).
Report Manager	Manages reporting worklists and short-term storage of Report objects during the reporting process then distributes reports to report repositories.
Report Manager	A system that provides functions related to report management. This involves the ability to handle content and state changes to reports and to create new DICOM Structured Reporting Objects based on these changes. In addition, the Report Manager generates and transmits verified, unsolicited text results to the Enterprise Report Repository.
Report Manager	A system that provides management and short-term storage of reports during the reporting process then distributes them. It may also manage worklists and status of reporting.
Report Reader	Accesses reports through network query/retrieve or reading interchange media and allow the user to view reports presented as DICOM Structured Reporting Objects.
Report Reader	A part of a system that can access reports through network query/retrieve or reading interchange media and allow the user to view reports presented as DICOM Structured Report Objects.
Report Receiver	Receives and stores anatomic pathology reports.
Report Receiver	Report Receiver
Report Repository	Provides long-term storage and retrieval of diagnostic reports.

Actor Name	Actor Description
Report Repository	A system that provides long-term storage of reports and their retrieval as DICOM Structured Reporting Objects.
Report Sender	Creates or has access to anatomic pathology reports in final status and sends these reports or parts of these reports.
Report Sender	Report Sender
Report Template Creator	A system that enables a user to create and edit report templates.
Report Template Manager	A system that provides storage and management of report templates.
Requester	Forwards a part of a laboratory testing requisition together with the associated biological specimens to a subcontracting performer, and collects the resulting observations.
Requester	An application used by a laboratory to fulfill the upcoming test Orders or Order Groups, and deliver the results thereof to the orderers and to the intended recipients. When necessary, this application is able to extract Sub-orders out of these Orders or Order Groups, to message these Sub-orders to the system of a subcontracting laboratory and to receive and integrate the results returned by this system as well as the Sub-order status changes such as "specimen accepted".
Research Information Consumer	Deprecated with QRPH RM Profile.
Research Information Source	Deprecated with QRPH RM Profile.
Resource Server	A server that provides services that need authorization
Responding Gateway	Supports all incoming inter-community communications.
Responding Imaging Gateway	The responding Imaging Gateway proxies Cross Gateway Retrieve Imaging Document Set requests from an Initiating Imaging Gateway to an Imaging Document Source with an Image Document Set Retrieve request.
Retrospective Data Consumer	The Retrospective Data Consumer (RDC) initiates the query for retrospective data, initiating such query with the PCD-12 transaction.
Retrospective Data Responder	The Retrospective Data Responder (RDR) responds to the Retrospective Data Query for retrospective data with an Retrospective Data Query Response containing (at most) the requested data or (at minimum) a NULL indicating no such data exist.

Actor Name	Actor Description
Screening Requestor	This actor participates in the EHDl-WD workflow. It also knows about the jurisdictionally defined public health EHDl guidelines. Based on the recommended screening activity listed in the Hearing Plan of Care, or through the use of standing order, this actor requests the newborn hearing screening test. Prior to requesting the screening and based on jurisdictional requirements, consent for the procedure may be obtained. The request is communicated to the Order Placer Actor who is responsible for returning the results generated by the screening. Based on the results, this actor is responsible for requesting any repeat testing which may be indicated, according to the jurisdictional screening guidelines. This actor is responsible for assessing the screening outcome based on one or more results or result interpretations, according to jurisdictional guidelines. See EHDl-WD TI Supplement 2016, Vol 1 Sec X.1.1.2
Secure Application	Complies with IHE rules for user authentication, secure communications, security audit recording, and security policy enforcement. The specified application is compliant.
Secure Application	The difference between the Secure Node and the Secure Application is the extent to which the underlying operating system and other environment are secured. A Secure Node includes all aspects of user authentication, file system protections, and operating environment security. The Secure Application is a product that does not include the operating environment. The Secure Application provides security features only for the application features. See section 9.7 for the relationships among a Secure Node, Secure Application, and other actors.
Secure Node	Complies with IHE rules for user authentication, secure communications, security audit recording and security policy enforcement. All software on the system is compliant.
Secure Node	A system unit that validates the identity of any user and of any other node, and determines whether or not access to the system for this user and information exchange with the other node is allowed. Maintains the correct time.
Secure Node Client	
Secure Node Server	
Sensor Data Consumer	This actor receives sensor data from Personal Healthcare Devices (PHDs).
Sensor Data Source	This actor is the Personal Healthcare Devices (PHD) generating sensor data.
Service Availability	The Service Availability Actor responds to vFREEBUSY requests for busy time for a provider or service at a specified facility. The format of the request and response is defined by the IETF CalDAV specification (RFC 4791).

Actor Name	Actor Description
Service Availability	The Service Availability Actor responds to requests for busy time for a provider at a service location, or for the service itself at a specified facility.
Service Finder	The Service Finder Actor submits queries to the Care Services InfoManager, who returns the result(s) in a response document. Queries may be expressed by invoking “stored” queries or (optionally) by submitting well-formed ad hoc XQuery queries. Service Finder actors who support the FreeBusy option may submit a FreeBusy query to a Service Availability actor who will reply with a vFREEBUSY response.
Service Finder	The Service Finder Actor submits queries to the Care Services InfoManager, which returns the result(s) in a reply document. Queries are expressed as parameterized stored query invocations or (optionally) as an ad hoc XQuery query. The Service Finder may optionally make queries against a Service Availability Actor as CalDAV vFREEBUSY queries.
Service Provider	Service Provider
Sliding Window Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with sliding window IMRT treatment beams.
Sliding Window Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with sliding window IMRT treatment beams.
SMD Receiver	Secure Message Delivery Receiver
SMD Receiver Intermediary	Secure Message Delivery Receiver Intermediary
SMD Sender	Secure Message Delivery Sender
SMD Sender Intermediary	Secure Message Delivery Sender Intermediary
SMTP Aether	This actor is shown for completeness, but is really part of the SMTP Infrastructure of the Internet.
Static Electron Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with static electron treatment beams.
Static Electron Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with static electron treatment beams.
Step & Shoot Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with step & shoot IMRT treatment beams.
Step & Shoot Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with step & shoot IMRT treatment beams.
Stereotactic Arc Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with stereotactic arc treatment beams.
Stereotactic Arc Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with stereotactic arc treatment beams.
Stereotactic Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with static, stereotactic treatment beams.
Stereotactic Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with static, stereotactic treatment beams.

Actor Name	Actor Description
Subcontractor	Manages the scheduling and performance of in vitro diagnostic tests in a subcontracting laboratory, and reports the resulting observations to the requesting laboratory.
Subcontractor	An application used by a laboratory to fulfill the upcoming Sub-orders placed by other laboratories. This application receives Sub-order messages, acknowledges specimen arrival and sends results messages
Task Manager	Manages task instances in a worklist and provides associated query access and notifications
Task Manager	Dispatches a read request
Task Performer	Claims, performs and updates tasks managed by a Task Manager
Task Performer	Executes a read
Task Requester	Submits new tasks to a Task Manager
Task Requester	Submits a read request
TBR Finalizer	A Participant who validates the preliminary Tumor Board Review report
TBR Preparator	Any Participant that is part of the Tumor Board, and involved in the review process
TBR Report Writer	A Participant (usually a Healthcare Professional) who writes down the conclusions of the Tumor Board Review
TBR Requestor	Participant (Healthcare Professional, e.g., gastroenterologist) who initiates the XTb-WD workflow. Produces the Request and the related supporting documents
TBR Scheduler	Participant responsible for the scheduling of the Tumor Board Review, by providing one of the timeslots for the requested TBR
Time Client	Maintains system clock synchronization with UTC based on time synchronization with one or more Time Servers.
Time Client	Establishes time synchronization with one or more Time Servers using the NTP protocol and either the NTP or SNTP algorithms. Maintains the local computer system clock synchronization with UTC based on synchronization with the Time Servers.
Time Server	Provides NTP time services to Time Clients.
Time Server	A system unit that knows, maintains and distributes the correct time in the enterprise.
Tracker	System that receives duplicate copies of messages to enable real-time decision-support and analytics. First defined in PCC BED Supplement, 8/2016.
Transport Data Consumer	Queries for Transport data.
Transport Data Responder	Responds to a query for clinical content, supplying reconciled lists.
Treatment Delivery Device	A system that delivers therapeutic radiation to a correctly positioned patient.

Actor Name	Actor Description
Treatment Delivery Plan Consumer	A Delivery System consuming the finalized treatment plan to be delivered.
Treatment Delivery Plan Producer	The actor exposing the finalized treatment plan to the delivery System for treatment.
Treatment Management System	Treatment Management System accepts RT Plan instances (one of 14 beam types).
Treatment Management System	An application providing radiation oncology management services and capable of consuming treatment plans with any of the above treatment techniques.
User Context Participant	Initiates and responds to user context changes.
User Context Participant	Receives notification of user context changes and follows them for the application that contains it.
Value Set Consumer	Retrieves Expanded Value Sets based on its OID and possibly its version if the latter is available.
Value Set Repository	Provides Expanded Value Sets
Virtual Wedge Beam Consumer	A Treatment Planning System (TPS) capable of consuming a radiation therapy treatment plan with static treatment beams using virtual wedges.
Virtual Wedge Beam Producer	A Treatment Planning System (TPS) capable of producing a radiation therapy treatment plan with static treatment beams using virtual wedges.
Watcher	Subscribes and receives notifications of events associated with a workitem (such as modification, cancelation or completion).
Watcher	Monitors the evolution of a workflow.
Web Application	The Web Application the healthcare professional uses to view a laboratory report Web
Workflow Monitor	Participant that tracks progress of the workflow and reacts to certain exception conditions.
Workitem Creator	Requests that new workitems be created by systems that will either manage or perform the workitems.
Workitem Manager	Provides management, query access and notifications for workitems in a worklist.
Workitem Performer	Provides management, query access and notifications for workitems in a worklist.
X-Identity Provider	This actor has authoritative identity information on the human user that is operating the X-Service User actor.
X-Service Provider	Provides a service that needs an X-User Assertion.
X-Service User	Makes service requests of an X-Service Provider.