

Import Reconciliation Workflow Profile

Cynthia A. Levy
Merge Healthcare

IHE Radiology Technical Committee



Import Reconciliation Workflow

Problem Statement

- **A Healthcare enterprise is presented with portable patient data (CD, Film) from unknown external sources. The Healthcare enterprise wishes to reconcile patient and study data, and then import this data into the patient's electronic health record (EHR).**

Import Reconciliation Workflow

Problem Issues

- **Physical Limitations**

- Security/Administrative: no CD drive in medical workstations

- **Logistical Limitations**

- Portable Data may include different user interfaces in viewers, some viewers don't work
- The clinician's need to archive images temporary or permanent can't be fulfilled
- Images not available in Radiology PACS for comparison or second-opinion consult

- **Data Limitations**

- Patient not registered in the HIS
- Patient not registered in the RIS

Import Reconciliation Workflow

Value proposition

● Reading and Care Planning Efficiency

- Easy, dispersed, in context, access to patient's data
- Familiar user interface by all physicians in the enterprise.

● Reduced Cost

- No need for training to use new viewers.

● Quality/Safety

- Patient and image identifiers are available and consistent

● Handling Efficiency

- Reduced handling effort in the patient's data for importing process.

Import Reconciliation Workflow Scope

- **Import Reconciliation Workflow (IRWF) piggy-backs on Scheduled Workflow (SWF)**
- **Import of Evidence Objects regardless of transport mechanism**
 - Hardcopy Import (e.g. Films, Documents)
 - Existing Evidence Objects (e.g. CDs, Network)
- **Improved Demographic Integrity**
 - Enterprise Patient/Order Information is used to identify the Evidence Objects
 - Original Patient Demographics are preserved within resultant Evidence Objects

Import Reconciliation Workflow Requirements

- **Patient must be registered in the HIS**
 - Patient Demographics from the Enterprise must be used to reconcile imported data
- **Import may be a Scheduled Order**
 - Order information may be used to schedule the import
 - Order information may be used to reconcile imported data
- **Import may be Unscheduled**

Import Reconciliation Workflow

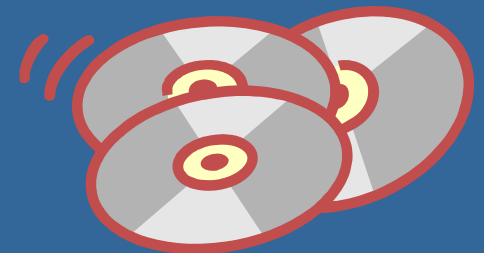
Scheduled Import

- **Scheduled Import Option supports scheduling of the import.**
- **The DICOM Modality Worklist provides information to the Importer about:**
 - **Enterprise Patient Demographics**
 - Critical Attributes such as the Patient Name, Patient ID, Patient Birth Date and Patient Sex
 - Other Patient Ids should be a merge of the Enterprise and Imported Object
 - **Enterprise Order Information**
 - Critical Attributes such as the Accession Number

Import Reconciliation Workflow

Unscheduled Import

- **Unscheduled Import Option supports ad hoc importing.**
- **An HL7 Patient Demographics Supplier provides Patient Demographics:**
 - Critical Attributes such as the Patient Name (PID:5), Patient ID (PID:3), Patient Birth Date (PID:7) and Patient Sex (PID:8)
 - Other Patient Ids (PID:4) should be a merge of the Enterprise and Imported Object



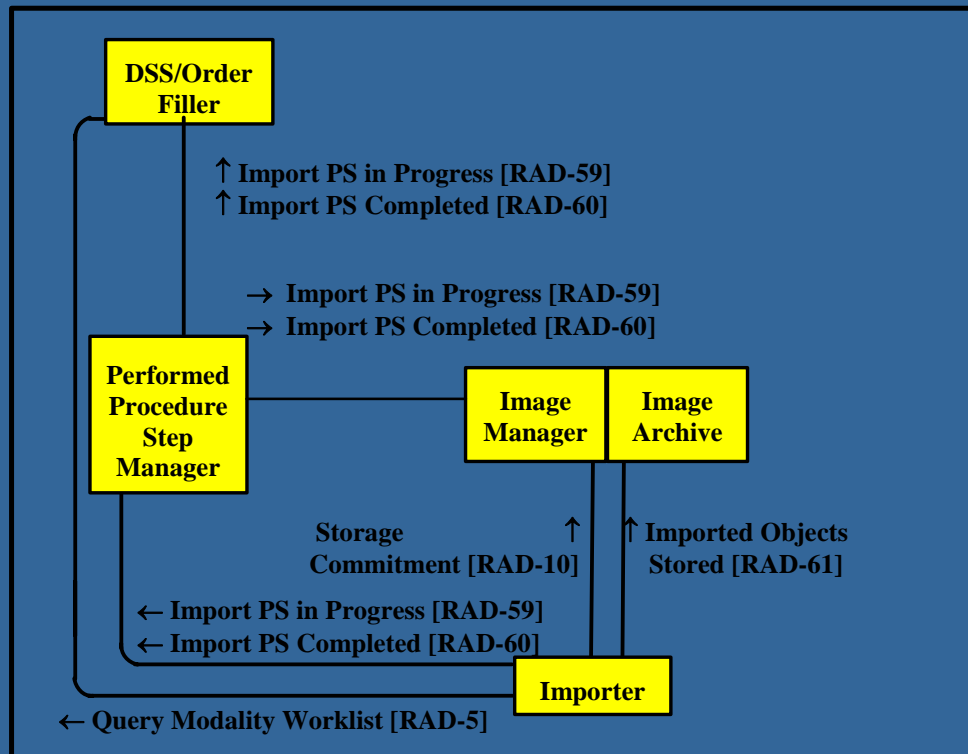
Import Reconciliation Workflow

Import Dependencies

- **IRWF depends on Scheduled Workflow**
- **Required Actors for Scheduled Import are:**
 - Department Scheduler System/Order Filler
 - Image Manager/Image Archive
 - Performed Procedure Step Manager
 - Importer
- **Required Actors for Unscheduled Import are:**
 - Patient Demographics Supplier
 - Image Manager/Image Archive
 - Performed Procedure Step Manager
 - Importer

Import Reconciliation Workflow

Scheduled Import Transaction Diagram

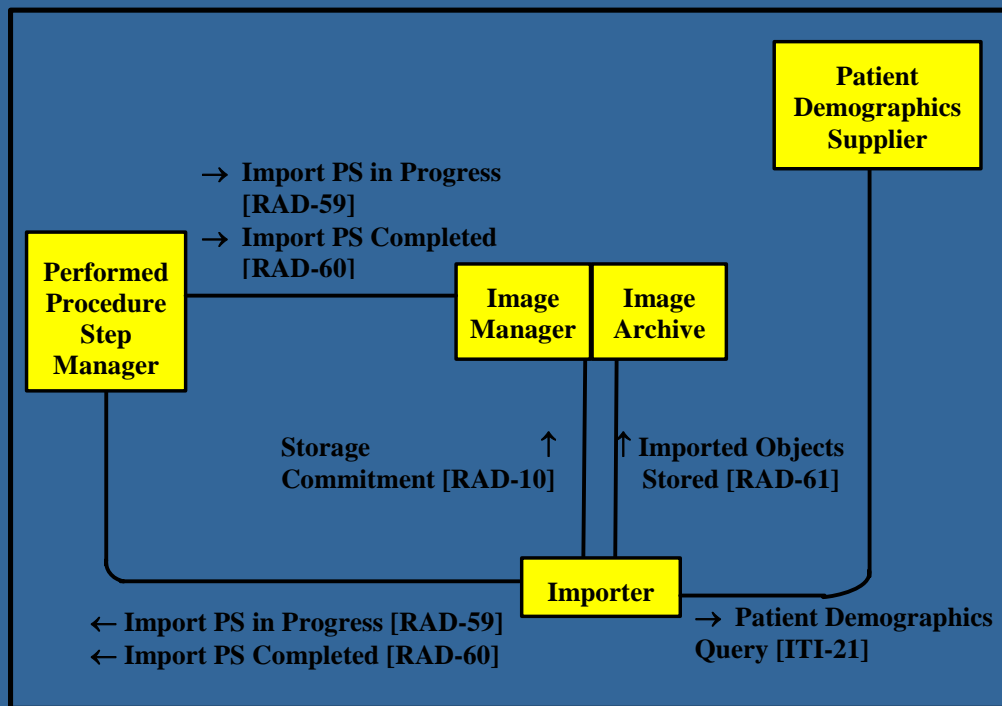


DICOM Transactions

- **Modality Worklist (MWL)**
- **Modality Performed Procedure Step (MPPS)**
- **Object Storage**
- **Storage Commitment**

Import Reconciliation Workflow

Unscheduled Import Transaction Diagram



HL7 Transactions

- Patient Demographics Query (QBP^22)

DICOM Transactions

- Modality Performed Procedure Step (MPPS)
- Object Storage
- Storage Commitment



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