

# ITI Update and Multi-organization Workflow IHE XDW profile

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# ITI Infrastructure - Progress

- **Fix XD\* Profiles Technical Framework**

Reformatting the documentation so that it is more readable and understandable around the XD\* family of profiles. **MUST** not change any normative meaning.

- **Document Access for mHealth – Profile**

Identifying the constrained environment that is most prevalent on mobile devices (phones, tablets, etc). An interface (SOA like) that an organization can offer to their users that is more attractive to mHealth developers and drive for Apps that might be more reusable across organizations.

- **Patient Encounter Tracking Query – Profile**

Address the need to have a system where actors that know where a patient is can support others to find the patient. Profile proposal looks to leverage the PAM profile. Needs a PAM knowledgeable editor by end December.

# ITI Infrastructure - Progress

- **Completion of the De-Identification Cookbook**  
Instructions to other IHE domains on how to create profiles that use anonymization and pseudonymization tools.
- **Critical and Important Results – White paper**  
Notify someone when something critical or important is uncovered. Discover who should be told about this information and how should they be told.
- **Configuration Management for Small Devices – White Paper**  
Explore the area of configuration management in a very broad way. Could point at common solutions from general IT (like LDAP, DHCP, DNS) for some problems that are not healthcare specific, while identifying gaps that are specific to Healthcare. These gaps could then be proposed as work items next year.

# XDW - Introduction

The Cross-Enterprise Document Workflow (XDW) profile enables participants in a multi-organizational environment to manage and track the tasks related to patient-centric workflows as they coordinate their activities:

- No central controller
- No central scheduler
- Decisions are made by the “edges” (providers, doctors, nurses, etc)
- XDW coordinates these activities

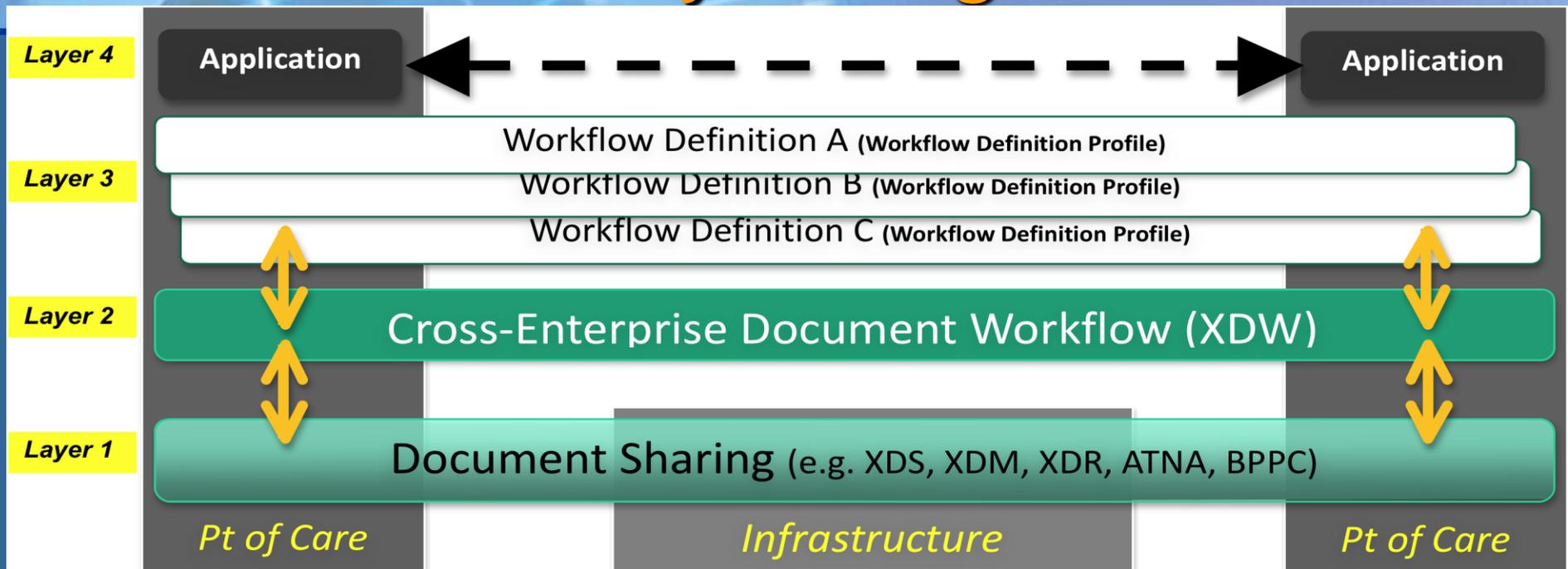
**Approved for Trail Implementation in September 2011**

# XDW - Necessity

## Necessity:

- Many regional and national projects aim at digitizing clinical processes (paperless) and enhancing care coordination.
- All expect to manage workflows beyond a single organization:
  - For example: eReferral workflows
  - Flexible nature and processes for these workflows
  - Clinical, economic, social and organizational impact

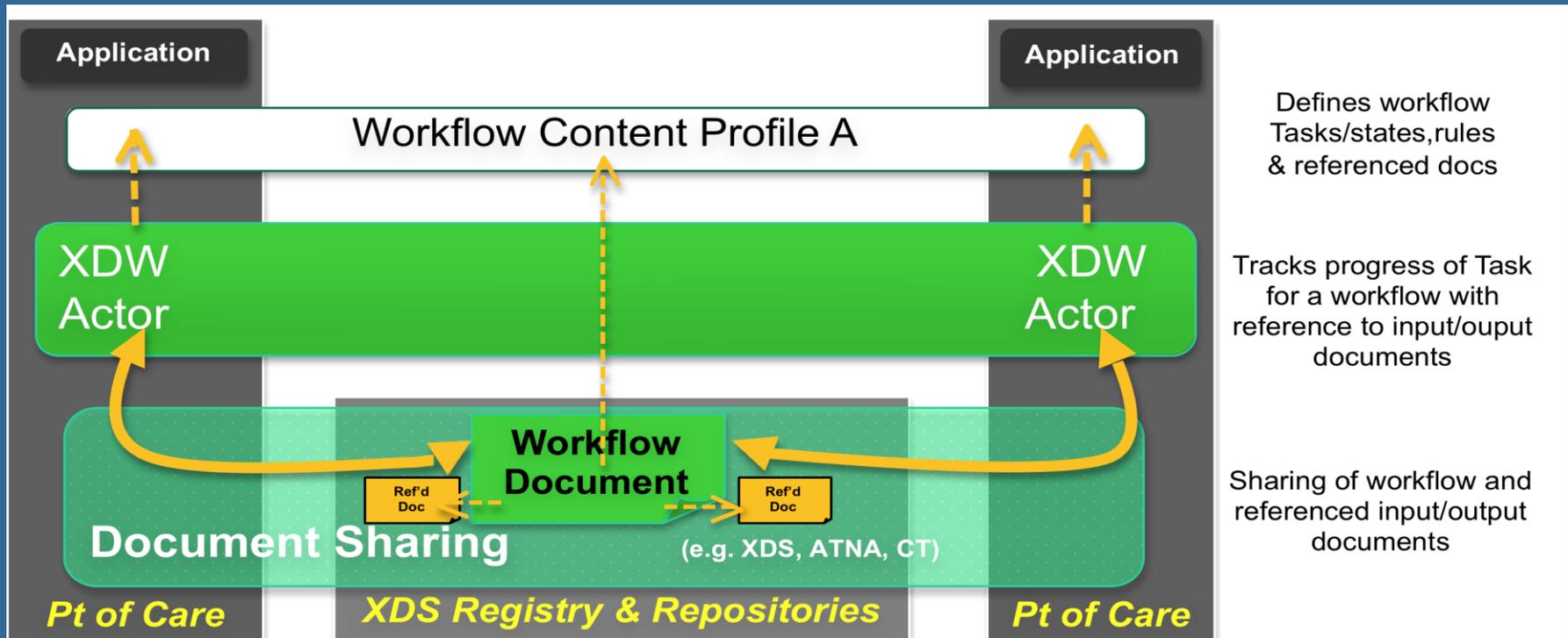
# XDW - Key Design Elements



## Key XDW design elements:

- Provides a common, workflow-independent approach to interoperability
- Enables the support of a wide range a specific workflow “content”
- Designed to support the complexity of health services delivery with flexibility to adapt
- Provides the means to associate documents to a broad range of workflows
- Easy to deploy: no addt'l centralized infrastructure . Scales to regions & nations.
- Builds upon the secured sharing of health documents provided by other IHE profiles (e.g. XDS, ATNA, BPPC, etc.)

# XDW - Key Elements



## Workflow Document in XDW:

- Specified by XDW is generic across specific workflow content (OASIS Human Task)
- Manages workflow specific status with relationship to input/output documents
- Tracking the current/past steps of the workflow and engaged health care entities
- Workflow driven/enforced by the XDW actors, infrastructure provides transparency

# Discussion

**The value statement** of this profile is:

- Provides a platform upon which a wide range of specific workflows can be defined **with minimal specification and implementation efforts** (e.g., Medical Referrals Workflow, Prescriptions Workflow, Home Care Workflow).
- Increases the consistency of workflow interoperability, and enables the development of interoperable workflow management applications where **workflow-specific customization is minimized**
- Facilitates the integration of multi-organizational workflows with the variety of existing workflow management systems used within the participating organizations (peer-to-peer)