ITK Accreditation

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Interoperability Toolkit

WebEx

- Part 1 - Overview of ITK
- Part 2 - ITK Specifications
- Part 3 - ITK Accreditation

- There will then be time for questions and comments at the end.
- During the WebEx all participants will be muted to avoid background noise
- Discussion on this WebEx – either:
  - Use the "raise hand" and I will un-mute you so you can speak, or
  - Use the "chat" box to ask a question or make a comment
    - Please ensure you send it to "all" and not just the host!

- The WebEx is being recorded, and a recording can be made available on request after the session.

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Part 1 - What is ITK?

'Connect All' – The Objectives

System interoperability across the NHS

Standardise data exchange between systems

Simplify data exchange and interoperability

Reduce integration costs across the NHS

Support local business requirements and priorities

'Connect All' – The Principles

System interoperability across the NHS

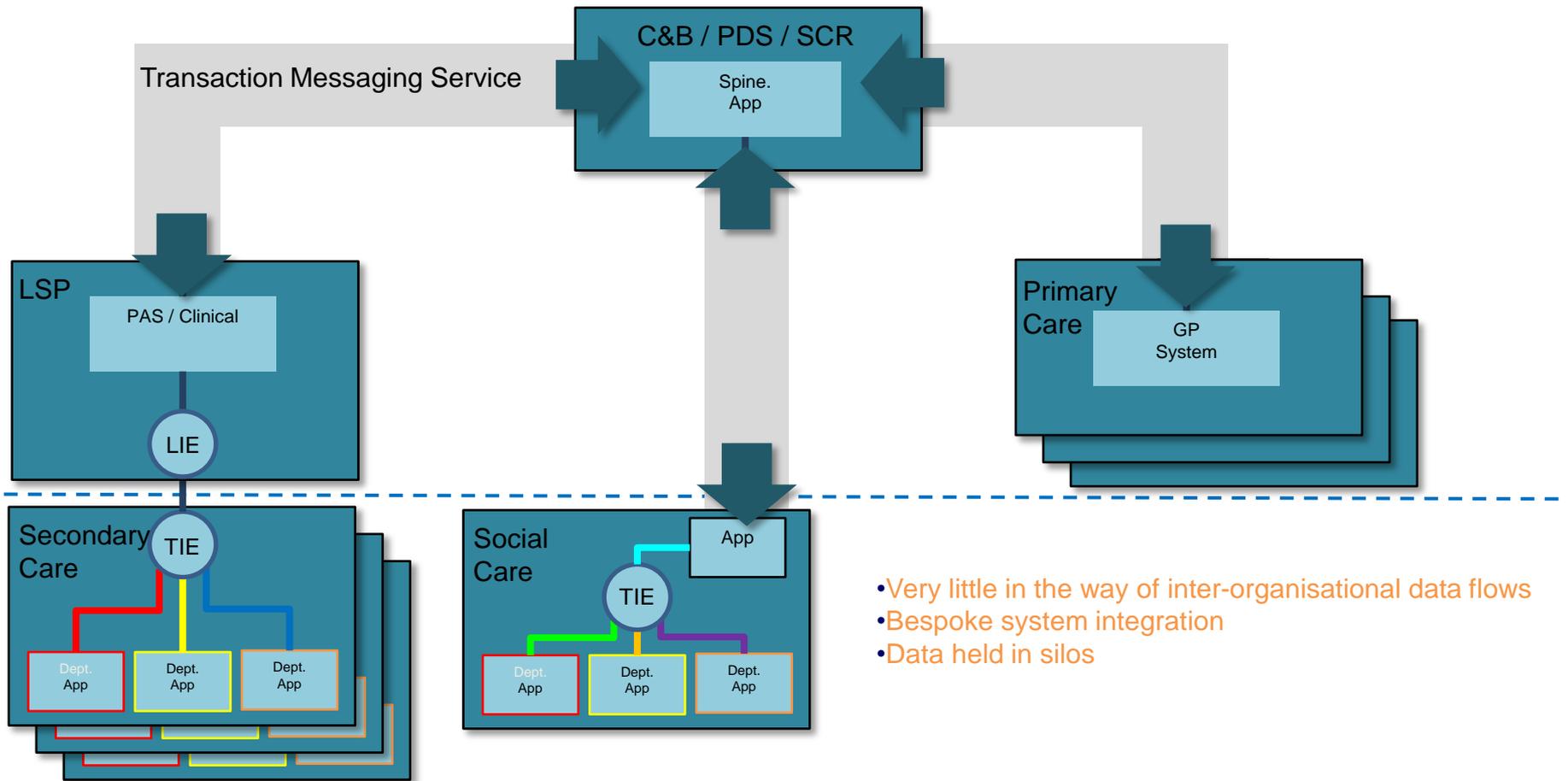Standardise data exchange methods

Simplify deployment of data exchange methods

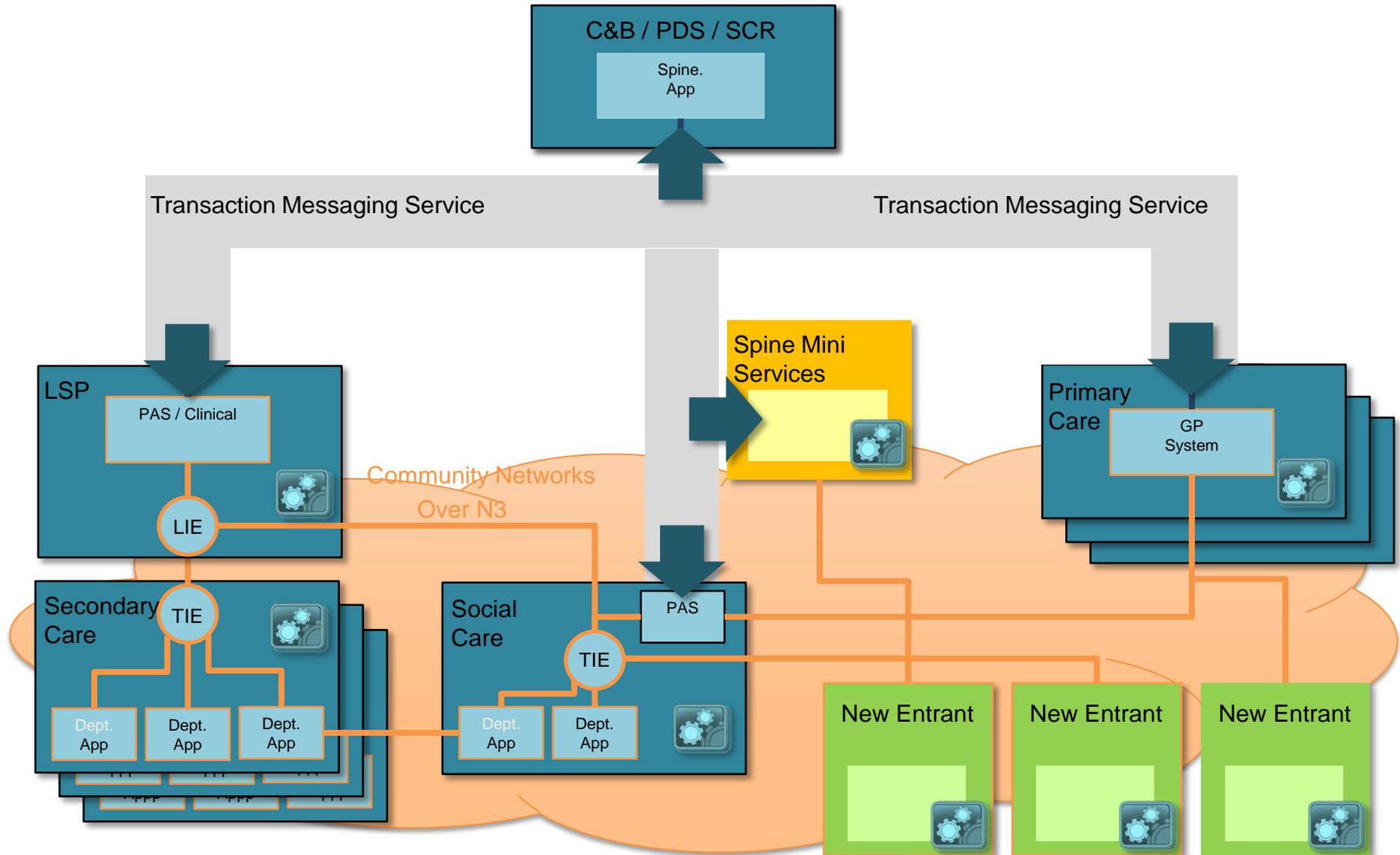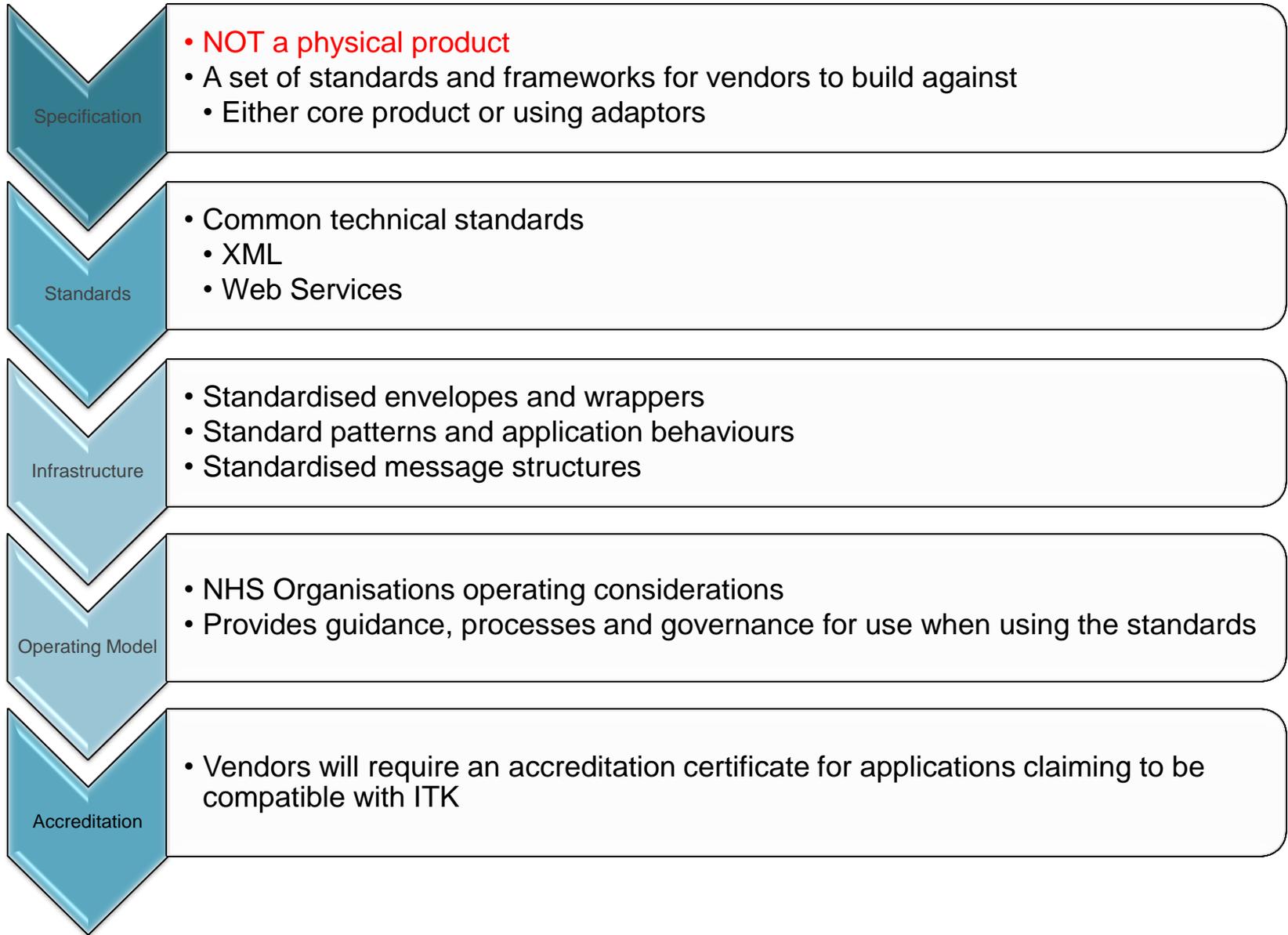Promote cross organisational data sharing

Remove data silos

Replace All Strategy

- Very little in the way of inter-organisational data flows
- Bespoke system integration
- Data held in silos

Connect All Strategy

ITK – What is it?

Specification
- NOT a physical product
- A set of standards and frameworks for vendors to build against
  - Either core product or using adaptors

Standards
- Common technical standards
  - XML
  - Web Services

Infrastructure
- Standardised envelopes and wrappers
- Standard patterns and application behaviours
- Standardised message structures

Operating Model
- NHS Organisations operating considerations
- Provides guidance, processes and governance for use when using the standards

Accreditation
- Vendors will require an accreditation certificate for applications claiming to be compatible with ITK

Part 2 – ITK Specifications

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ITK Specifications on TRUD

The ITK specifications are published on TRUD (Technology Reference data Update Distribution). Link:
http://www.uktcregistration.nss.cfh.nhs.uk/trud3/user/guest/group/0/home

Under 'Collections' select the 'NHS Interoperability Framework' option.

The published specifications are split into 3 categories:
- Specifications For Consultation
- ITK Release Candidate (RC)
- ITK Issued Specifications (IS)

ITK accreditation is offered for standards at both RC and IS status.

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ITK Specifications on TRUD

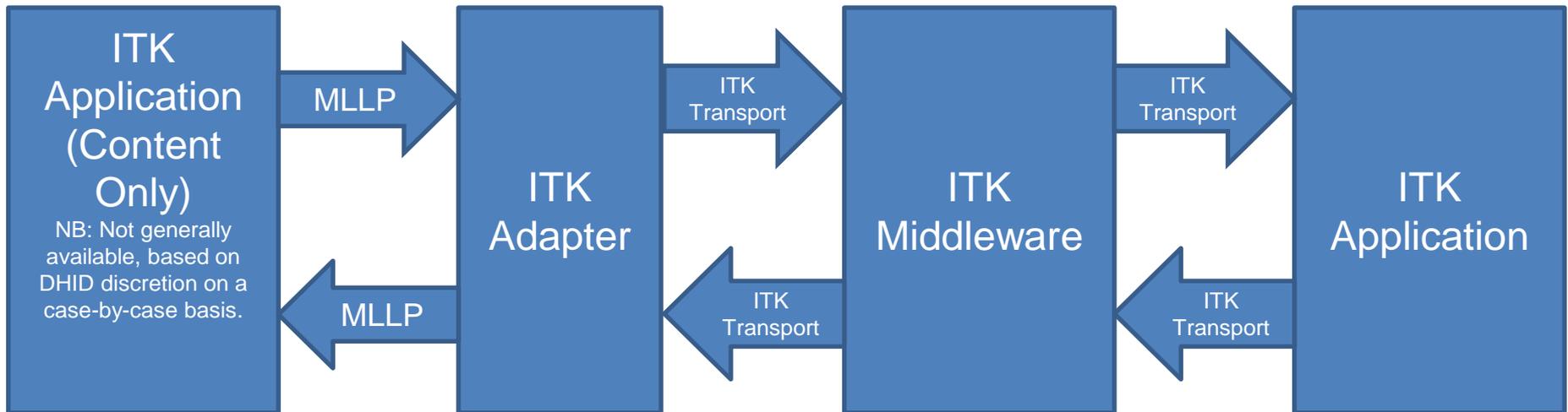The ITK specifications as a whole can be separated into two groups:

- Core and Infrastructure Specifications
- Domain Specific and Reference Specifications.

A useful starting point looking at the Core, which includes the architecture specifications and core services (used by the correspondence specific domains).
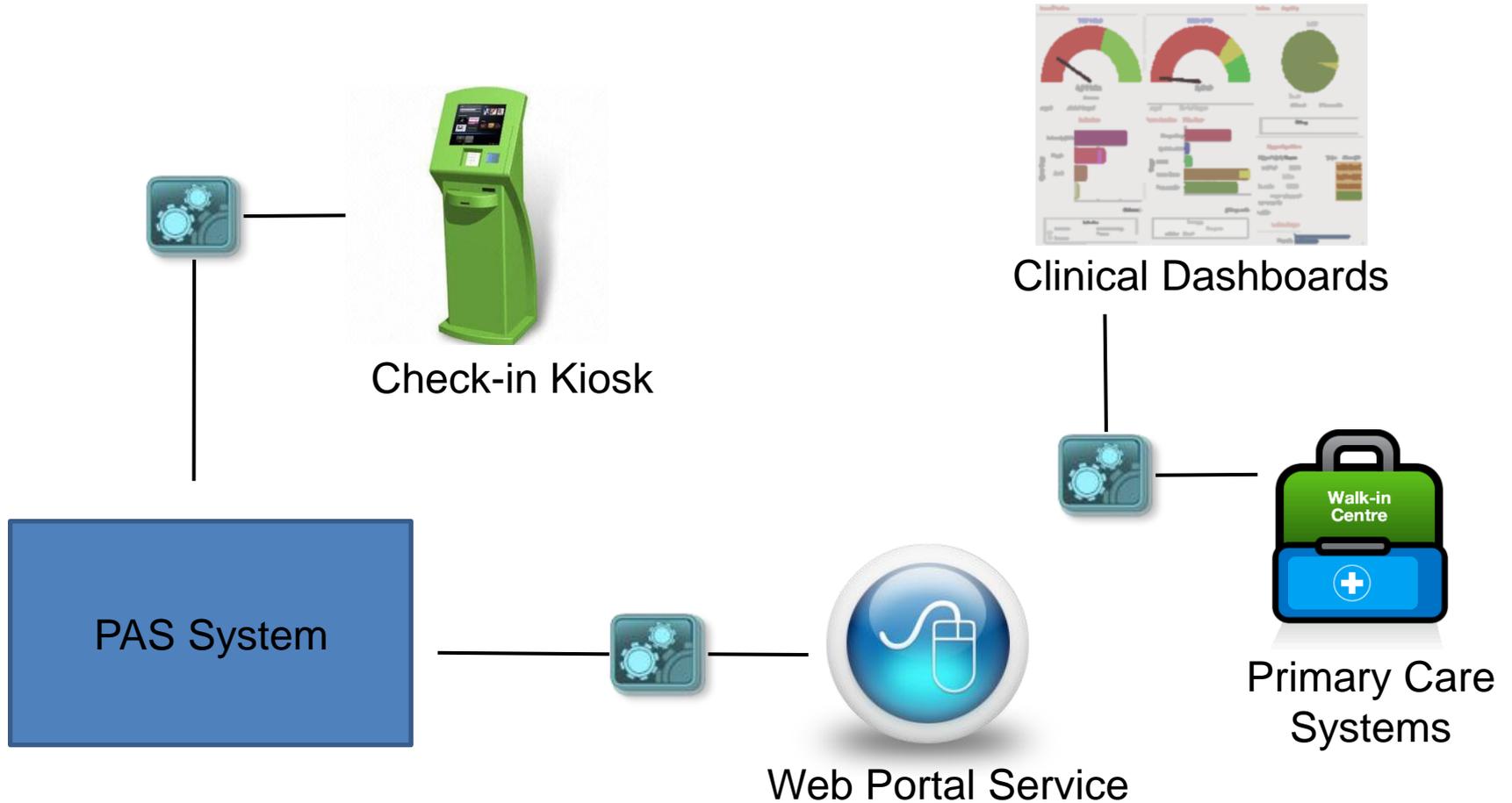
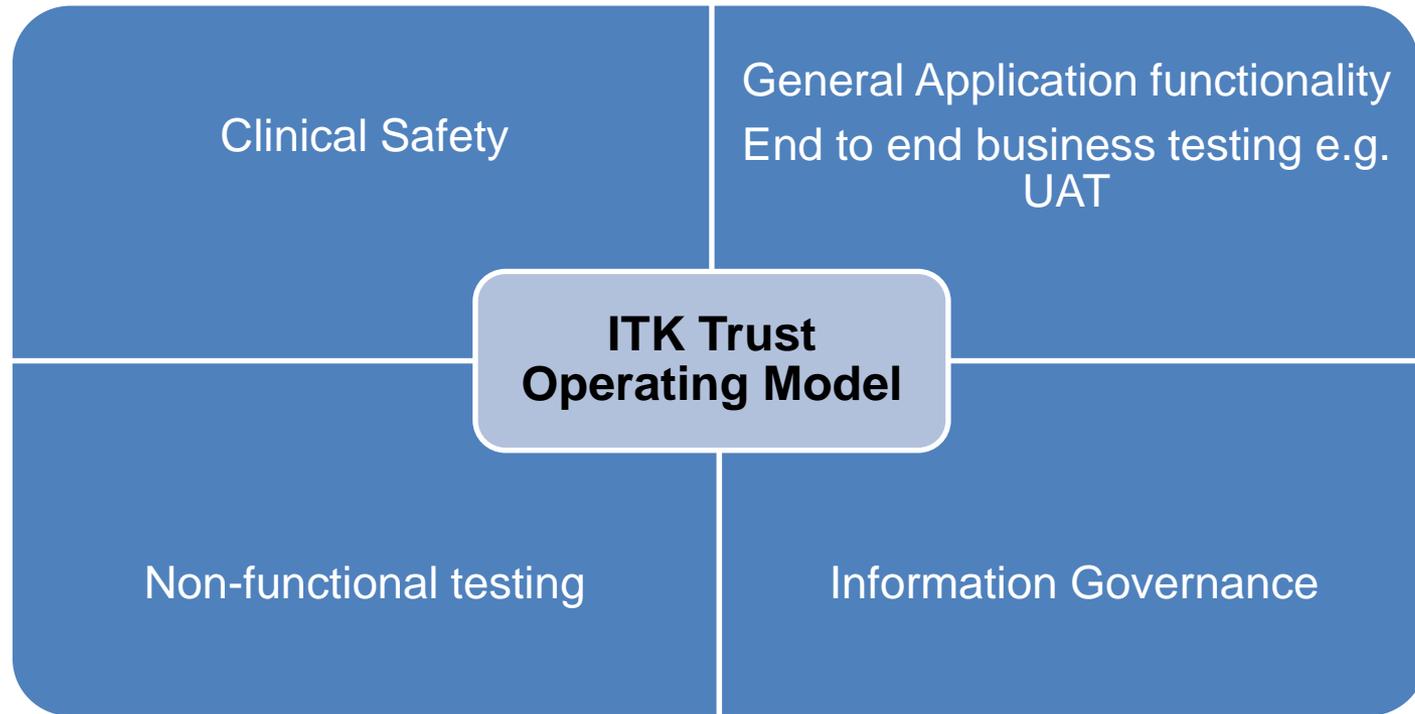Walk-through of the 'NHS Interoperability Toolkit Core' specification…

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ITK System Types

ITK System Type - Applications

Check-in Kiosk

Clinical Dashboards

PAS System

Web Portal Service

Walk-in Centre

Primary Care Systems

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ITK System Type - Middleware

Trust Operating Model

Clinical Safety	General Application functionality End to end business testing e.g. UAT
ITK Trust Operating Model	
Non-functional testing	Information Governance

Central ITK Accreditation focuses on the messaging interface

Interoperability *Toolkit*

Requirements Concessions - Alignment with ITK Security Initiatives

SOAP Header signing is being deprecated due to a number of issues, detailed elsewhere.

The concessions paper is available on TRUD under the NHS Interoperability Framework section.

Impact on ITK Accreditation NOW. Two options:

Option 1 - Suppliers can be accredited against the current set of WS-Security requirements.

Option 2 – Suppliers can choose not to implement the requirements listed above, on the understanding their accreditation may be mapped to a future accreditation profile, once the ITK security paper has been agreed in consultation with the supplier community. In the interim period, all certificates issued will note message header signing has not been implemented.

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Part 3 - Accreditation

ITK Accreditation Overview

- **Suitably Light Weight**
  - Accreditation approach appropriate
  - Focus on messaging interface
- **Out the box test solution**
  - Accreditation Pack designed to help understand scope
  - All artefacts included; test tools, message examples, …
- **Collaborative**
  - ITK Accreditation Team will provide assistance
  - Experienced, know the pitfalls, offer guidance.

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Accreditation Pack on TRUD

The ITK accreditation pack (Issued) is published on TRUD
Link:
http://www.uktcregistration.nss.cfh.nhs.uk/trud3/user/guest/group/41/pack/21

The pack contains all the artefacts required for accreditation, including a quick start guide.

The test tool is hyperlink referenced from pack. The actual test tool (TKW) can be found here: http://www.connectingforhealth.nhs.uk/industry/liaison/validator

Walk-through of the ITK Accreditation Pack…

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The Catalogue and Other Services

- Accredited systems listed on the ITK Accreditation catalogue

- NHS purchase decision makers can access to help select appropriate interoperability products.

- Provides an NHS kite mark.
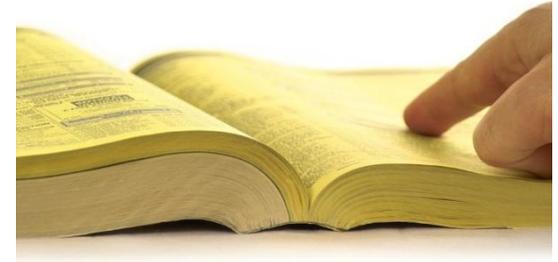
Others services

- ITK workshops (intro, development, accreditation)

- Mailbox and Telephone support during development and accreditation

- Cfh.itkaccreditation@nhs.net

http://www.connectingforhealth.nhs.uk/systemsandservices/interop/accred/catalogue

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Questions