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Interoperability Toolkit – Accreditation Configurations

Document Management

Revision History

Version	Date	Summary of Changes
1.0	30/04/2014	First version issued by HSCIC

Reviewers

This document was reviewed by the following people:

Reviewer name	Title / Responsibility	Date	Version
George Hope	ITK Architecture Lead	31/03/2014	1.0
Sanjay Paul	ITK Architect	31/03/2014	1.0
Richard Dobson	ITK Accreditation Manager	31/03/2014	1.0
David Barnet	ITK Communication and Messaging	31/03/2014	1.0
Nigel Saville	ITK Accreditation	31/03/2014	1.0

Approved by

This document was approved by the following people:

Name	Signature	Title	Date	Version
Shaun Fletcher		Head of Architecture	31/03/2014	1.0
Rob Shaw		Director Operational Services	31/03/2014	1.0

Reference Documents

Ref no	Doc Reference Number	Title	Version
1.			
2.			
3.			
4.			

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1 Introduction

This document forms part of the overall document set for ITK Architecture.

1.1 Purpose of Document

This document provides a high level overview of the configuration options for ITK Client, ITK Host, ITK Middleware Accreditations.

1.2 ITK Architecture Documentation Set

The position of this document in relation to the document set is shown below.

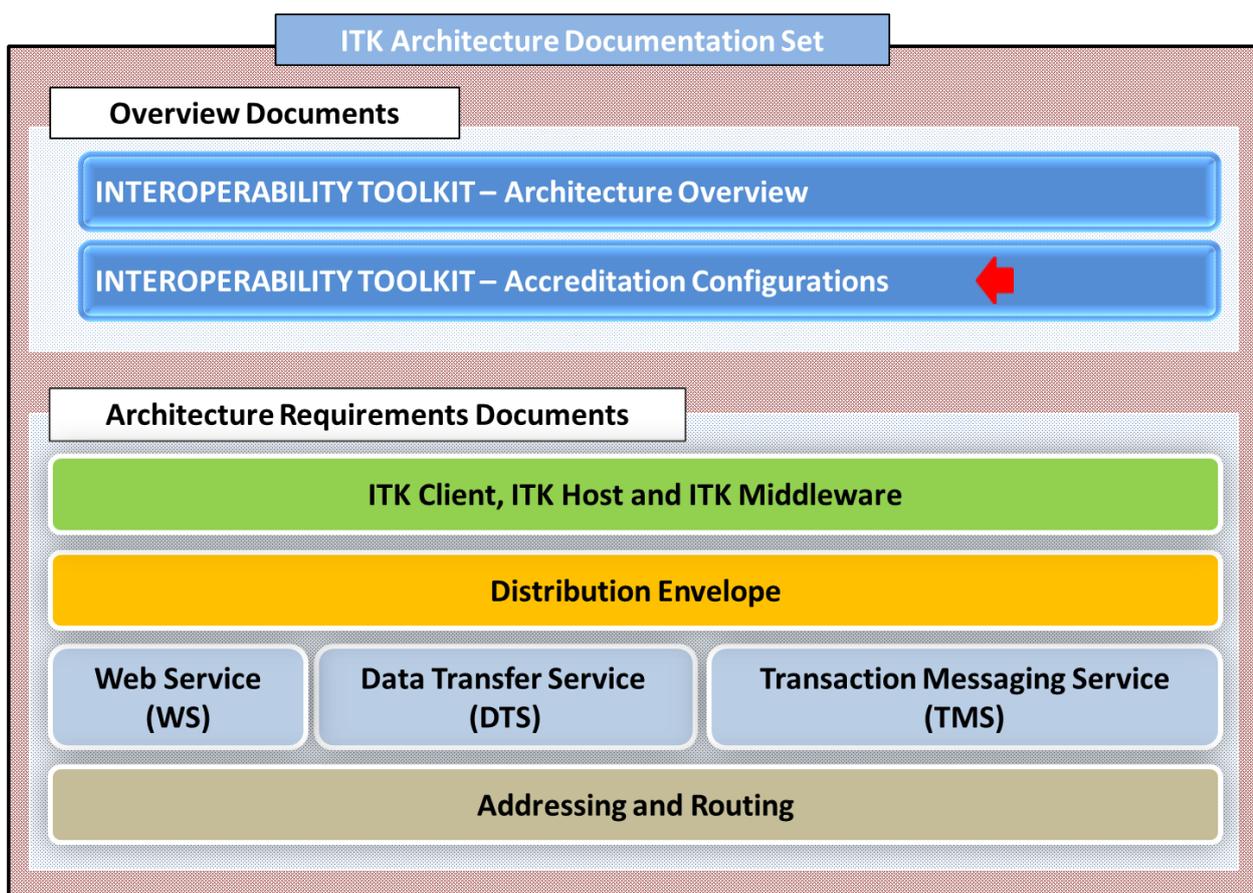


Figure 1 – ITK Architecture Documentation Set

1.3 Audience

The primary audience are supplier technical and product development staff who are interested in developing a Toolkit Implementation.

1.4 Document Scope

The document outlines the ITK Client, ITK Host, Spine Mini Service Provider (SMSP) and ITK Middleware accreditation configurations.

2 Accreditation Configurations

2.1 ITK Middleware

Description	Required
Messaging Requirements - Documentation	Mandatory
Messaging Requirements - Interoperability Patterns	Mandatory
Messaging Requirements - Reliability	Mandatory
Messaging Requirements - Security	Mandatory
Messaging Requirements - Validation	Mandatory
Supporting Infrastructure - Application Specific	N/A
Supporting Infrastructure - Common	Mandatory
Supporting Infrastructure - Middleware Specific	Mandatory
Additional Modules - Queue Collection Host	Mandatory
Additional Modules - Flexible Validation	Mandatory
Additional Modules - Sequencing - Application	N/A
Additional Modules - Sequencing - Middleware	Mandatory
Additional Modules - Translation and Mediation	Mandatory
Additional Modules - Orchestration	Optional
Additional Modules - Throttling	Mandatory
Additional Modules - Discovery Provider	Mandatory
Additional Modules - Monitoring and Management	Mandatory
Additional Modules - IG - Middleware	Mandatory
Additional Modules - IG – Application	N/A
Additional Modules - Spine Mini Service Provider	N/A
Additional Modules - XML Encryption	N/A
Distribution Envelope Header - Middleware Requirements	Mandatory
Distribution Envelope Header - Client Requirements	N/A
Distribution Envelope - Payload Requirements	N/A
Web Service - Transport	Optional
DTS - Transport	Optional
TMS - Transport	Optional
Addressing and Routing - Routing Requestor	N/A
Addressing and Routing - Routing Receiver	N/A
Addressing and Routing - ITK Router	Mandatory

Table 1: Checklist for Middleware Accreditation

2.2 ITK Application

Description	Required
Messaging Requirements - Documentation	Mandatory
Messaging Requirements - Interoperability Patterns	Mandatory
Messaging Requirements - Reliability	Mandatory
Messaging Requirements - Security	Mandatory
Messaging Requirements - Validation	Mandatory
Supporting Infrastructure - Application Specific	Mandatory
Supporting Infrastructure - Common	Mandatory
Supporting Infrastructure - Middleware Specific	N/A
Additional Modules - Queue Collection Host	Optional
Additional Modules - Flexible Validation	Optional
Additional Modules - Sequencing - Application	Mandatory
Additional Modules - Sequencing - Middleware	N/A
Additional Modules - Translation and Mediation	Mandatory
Additional Modules - Orchestration	Optional
Additional Modules - Throttling	Optional
Additional Modules - Discovery Provider	Optional
Additional Modules - Monitoring and Management	Optional
Additional Modules - IG - Middleware	N/A
Additional Modules - IG – Application	Mandatory
Additional Modules - Spine Mini Service Provider	N/A
Additional Modules - XML Encryption	Optional
Distribution Envelope Header - Middleware Requirements	N/A
Distribution Envelope Header - Client Requirements	Mandatory
Distribution Envelope - Payload Requirements	Mandatory
Web Service - Transport	Optional
DTS - Transport	Optional
TMS - Transport	Optional
Addressing and Routing - Routing Requestor	Optional
Addressing and Routing - Routing Receiver	Optional
Addressing and Routing - ITK Router	N/A

Table 2: Checklist for Application Accreditation

2.3 ITK Spine Mini Service Provider

As per ITK Application, however the Additional Module “Spine Mini Service Provider” becomes mandatory.

2.4 ITK Application (Content Ready Only)

Description	Required
Messaging Requirements - Documentation	Mandatory
Messaging Requirements - Interoperability Patterns	N/A
Messaging Requirements - Reliability	N/A
Messaging Requirements - Security	N/A
Messaging Requirements - Validation	Mandatory
Supporting Infrastructure - Application Specific	Mandatory
Supporting Infrastructure - Common	Mandatory
Supporting Infrastructure - Middleware Specific	N/A
Additional Modules - Queue Collection Host	Optional
Additional Modules - Flexible Validation	Optional
Additional Modules - Sequencing - Application	Mandatory
Additional Modules - Sequencing - Middleware	N/A
Additional Modules - Translation and Mediation	Mandatory
Additional Modules - Orchestration	Optional
Additional Modules - Throttling	Optional
Additional Modules - Discovery Provider	Optional
Additional Modules - Monitoring and Management	Optional
Additional Modules - IG - Middleware	N/A
Additional Modules - IG – Application	Mandatory
Additional Modules - Spine Mini Service Provider	N/A
Additional Modules - XML Encryption	Optional
Distribution Envelope Header - Middleware Requirements	N/A
Distribution Envelope Header - Client Requirements	Optional
Distribution Envelope - Payload Requirements	Optional
Web Service - Transport	N/A
DTS - Transport	N/A
TMS - Transport	N/A
Addressing and Routing - Routing Requestor	N/A
Addressing and Routing - Routing Receiver	N/A
Addressing and Routing - ITK Router	N/A

'ITK Application Content Ready Only' is for Pipe and Hat only. 'ITK Application Content Ready Only' applications meet the essential requirements for interfacing with the Toolkit. This primarily includes providing payload content that meets the National Standards. However Toolkit Adapters will be required for technical functions such as protocol conversion, and some of the more advanced features (e.g. security) may not be available.

An application claiming "ITK Application Content-Ready Only" MUST meet all of the requirements listed in the table above, noting the information listed below:

Requirement	Notes
Distribution Envelope	Use of the Distribution Envelope is not necessary for Content Ready Only Applications
COR-DEH-07 & COR-DEH-09	An alternative approach to version management MUST be described

* * * End of Document * * *