

xserve



respect > commitment > teamwork

UK Link Programme Industry Engagement Forum

12th May 2014

Agenda

- Introductions
- Terms of Reference Feedback
- UK Link Programme Dashboard
- Risks, dependencies, Assumptions review
- Transition Topics
 - Presentation on Read Submission & AQ Review
 - Approval of Reconciliation & Filter Failures
- Testing Strategy Presentation
- Review of Meeting
- Next Meeting

xserve



respect > commitment > teamwork

UK Link Programme Dashboard Report *Forum Date: 12/05/2014*



Executive summary

- Critical HLD activities complete enabling entry into Detailed Design
- Detailed Design planning and ramp up of Industry Engagement are key focus areas
- Overall programme RAG status is amber

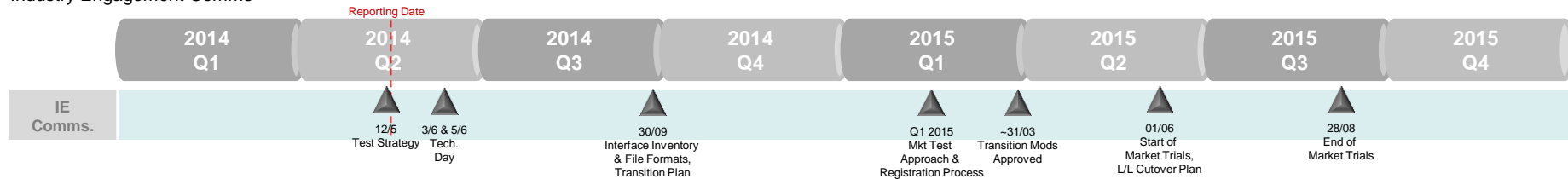
Achievements in April

- Completion of critical High Level Design (HLD) activities
- Test Strategy signed off
- Business Change Strategy and Business Transition Strategy approved
- Technical Transition Strategy drafted and in review
- UKLP Industry Engagement Forum (UKLIEF) established
- Filter Failures, Retrospective Updates & Adjustments and SPA transition principles agreed with industry
- Awareness and visibility of the priority data cleansing topics raised via Shipper MI packs.

Priorities for May

- Continued focus on methodology, critical path and planning activities with particular attention on Detailed Design critical path
- Identification of process changes resulting from adoption of SAP 'out of the box'
- Commence detailed analysis and design of iGT Migration Database
- Test Strategy shared with industry stakeholders (at UKLIEF on 12th May)
- Preparation for UKLP Technology day (3rd & 5th June)
- Establish connection to the development environments
- Commence CMS consequential change analysis and IP/DE SAP B/W solution analysis

Industry Engagement Comms



Programme Milestones

Key Milestone	High Level Design Complete	Detailed Design Complete	Xoserve UAT Complete	Industry Testing Start	Cutover & Implementation
Baseline Date	18/04/14	29/08/14	28/05/15	01/06/15	01/10/15
Current Planned Date	Complete 30/04/14	29/08/14	28/05/15	01/06/15	01/10/2015

Aggregated Programme RAG

Amber

Risks

Risk Summary	Impact Date	Mitigation
Industry readiness: Risk that some industry stakeholders have a low level of level of understanding of Nexus requirements due to lack of attendance at industry forums	01/06/15	UKLIEF established Stakeholder readiness matrix developed to monitor industry readiness
Scope: Raising of new mods which impact the baselined requirements will impact Oct 2015 delivery.	On-going	UKLP baselined scope now communicated Change control process now in place to manage scope
Allocation of unidentified gas solution: Failure to reach industry consensus on a viable solution jeopardising Oct 2015	Q3 2014	Xoserve assisting the industry in progressing Mod473 and Mod473a through industry governance

Key Dependencies

Dependency	Date Required	Impact if missed	Status
Market participant systems ready for market trials	01/06/15	Participants will be unable to take part in market trials testing which may result in issues with data flows and processes post implementation.	Green
Industry agreement of process change to adopt SAP 'Out of the Box'	May 14 → September 14	Delays in changes to industry stakeholder systems with follow on impacts on market test and implementation readiness	Green
Data required from iGTs to populate iGT data preparation database	01/12/14	If data is not prepared it may not load correctly and therefore the services may not work as efficiently as possible	Green



respect > commitment > teamwork

UKLink Programme Industry Engagement Group - Transition

Read Validation & AQ Review

12th May 2014

Introduction

- For the Nexus requirements implementation there will be a number of transitional issues that need to be discussed with principles and business rules agreed
- Transition will cover moving from current UNC arrangements to the new arrangements created by the Nexus Modifications (Mod 0432, 0434 & 0440)
- This presentation considers meter read submission & AQ review activities;
 - Read submission
 - Read validation
 - AQ Review
 - AQ Amendments
 - AQ Appeals
 - Mod 640 adjustments
- Does not include read or AQ activities for Unique Sites or CSEP Supply Points as these sites will be discussed separately

Xserve



respect > commitment > teamwork

Read Submission & Validation

- Background

- Currently meter reads submitted to UKLink are subject to basic validation based on the asset data recorded
- Mod 0432 introduces meter read validation based on the energy generated from the read
- The tolerance compares the energy generated from the read against the AQ (Class 4) or SOQ (Class 1, 2 & 3) for the Meter Point
- Two step validation performed, if the read fails the tolerance it will be rejected
- The first validation tolerance check can be overridden by the Shipper, the second set of tolerances can not be overwritten & will be rejected

Note: The Shipper will continue to have the responsibility to validate meter reads prior to submission to Xoserve

Transition for Meter Reads

- Meter reads held in the current system at Go Live will be migrated to the new system
- Where the read has generated a USRV, the read will be migrated across in a suspended/suspect status to ensure it is not used in downstream processes (e.g. AQ review)
- Reads received after Go Live will be validated against the new meter read validation rules, even if this is for a read date pre Go Live
- The AQ review processes from Go Live will use the relevant reads migrated
- For the first reconciliation following Go Live, the reconciliation process will use the latest relevant read pre Go Live to reconcile back to
 - For SSP a variance period will be created for 1st October. The reconciliation will span 1st October, but only charges from 1st October onwards will be issued

serve



respect > commitment > teamwork

AQ Review 2015

- Currently an annual AQ review is performed and there is an AQ Amendment & Appeals
- Mod 0432 introduces;
 - a monthly re-calculation of the AQ, if a meter reading has been received in the last month
 - Removal of the Amendment & Appeals process
 - 2 SOQ for Class 3 & 4 meter points; 1 SOQ for Allocation processes and another 'fixed SOQ' which applies for 12 months for transportation charging purposes
- Threshold Crossers (Mod 640)
 - There is an appeal period between October and December for Shippers to amend the AQ of threshold crosser meter points.
 - In January a report is produced and the invoice is issued in March.

xserve



respect > commitment > teamwork

Transition for AQ Review

- There will be an AQ review in 2015
- The Appeals window will not re-open after the window closes (in July 2015)
- Propose to:
 - Invalidate any outstanding Appeals 1 month before Go Live (to ensure AQ data is not amended prior to migration)
 - Offer Addendum process to close mid-September (all Offers will be invalidated as at Go Live)
- The first read loaded after Go Live will trigger an AQ calculation (subject to validation & a start read being available) using the consumption profile from the migrated reads
- AQ threshold crossers (Mod 640) to be determined beginning of October and Mod 640 invoice issued end of December
 - Propose there is no appeal period for the meter points identified as threshold crossers

xserve



respect > commitment > teamwork

Next Steps

- Shippers to review the proposed transition arrangements
- Provide any comments to Xoserve
- We shall document these processes for the 18th June workgroup
- Review any comments received at 18th June meeting, agree any changes & approve

xoserve



respect > commitment > teamwork



respect > commitment > teamwork

UK Link Test Strategy: Industry Update

12/05/2014

Agenda

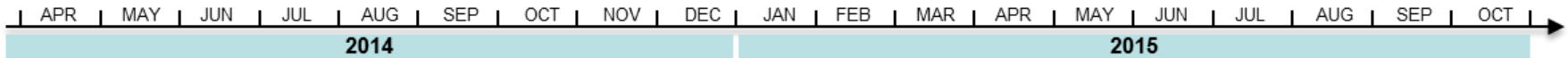
1. UK Link Test Plan Overview
2. Market Testing Overview
3. Inputs to Participants
4. Questions

xserve



respect > commitment > teamwork

UK Link Test Plan Overview



Design, Build and Xoserve Internal Testing

Internal Xoserve testing will prove the fully integrated UK Link service, before it is tested with market participant service users. This will include functional and non-functional testing of all systems and infrastructure required to deliver the UK Link service.

This stage will be split into separate phases, of which the key ones are:

- Build and Unit Test
- Systems Test
- Integration Test
- Performance Test
- Penetration / Security Test
- Operational Acceptance Test
- User Acceptance Test

Prior to commencing market testing the UK Link programme will regularly engage with industry participants with particular focus on:

- The agreement of any process and business rule amendments and transition mods
- Ensuring data is clean ready for User Acceptance Testing in January 2015
- Communication of relevant programme deliverables (e.g. test strategy, file formats)
- Programme progress updates via dashboard status reports.

Xoserve

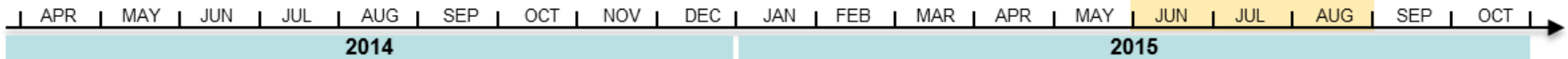


respect > commitment > teamwork

Key Internal Test Phase Objectives

Test Phase	Objectives
Build & Unit Test	Verification that individual units (segments of code) within the customised systems are functional as per the expectations set out in the agreed unit test cases and in line with requirements.
System Test (ST)	Testing to ensure that separate systems that comprise the new UK Link solution (set of systems) work as per expected functionality in isolation, producing correct business outputs or exceptions.
System Integration Test (SIT)	Testing of interfaces and overall functionality between separate systems within the new UK Link suite. The tests shall confirm that the systems communicate and work together as per design and as per to-be business processes.
Performance Test	Testing of the new UK Link systems to ensure that they meet non-functional and performance requirements set. To verify that the new and modified existing system applications, databases, underlying technical components and operations tools meet criteria stipulated in the solution's non-functional requirements (NFRs)
Penetration Test	Third party testing to ensure that the new UK Link system stands up to the latest security threats. This is carried out to identify and then mitigate vulnerabilities to an acceptable level.
Operational Acceptance Test (OAT)	The Xoserve IS function's verification of system readiness from an internal operational perspective under the new to-be process expectations. It will validate and verify scalability, reliability and resource usage from an end operational user's perspective.
Xoserve User Acceptance Test (UAT)	Verification that all UK Link functionality is in line with new business requirements and operating in accordance with the to-be business processes.

Market Testing Phase



Design, Build and Xoserve Internal Testing

Market Testing

Internal Xoserve testing will prove the fully integrated UK Link service, before it is tested with market participant service users. This will include functional and non-functional testing of all systems and infrastructure required to deliver the UK Link service.

This stage will be split into separate phases, of which the key ones are:

- Build and Unit Test
- Systems Test
- Integration Test
- Performance Test
- Penetration / Security Test
- Operational Acceptance Test
- User Acceptance Test

Prior to commencing market testing the UK Link programme will regularly engage with industry participants with particular focus on:

- The agreement of any process and business rule amendments and transition mods
- Ensuring data is clean ready for User Acceptance Testing in January 2015
- Communication of relevant programme deliverables (e.g. test strategy, file formats)
- Programme progress updates via dashboard status reports.

1. Connectivity Testing
2. Market Trials

Xoserve



respect > commitment > teamwork

Market Test Overview

	Connectivity Test	Market Trials
Objectives	Testing to ensure that industry participants' systems are able to connect correctly to the new UK Link systems as per requirements	Testing to ensure that the outputs of key business scenarios run in the new UK Link system are in line with Nexus requirements and that file flows function as expected
Approach	Interface testing with the UK Link production environments, via the IX portal, DE and CMS solutions	Scenario based testing to ensure that system functions as per business expectations and outputs contain the correct content in the correct format. Scenarios to be staged throughout this test phase
Participants	100% market participation invitation with aim of all participants successfully passing connectivity test	Open to all participants to register interest, but not every participant expected to complete all test scenarios Further details to be confirmed
Requisites	Participants have completed internal testing of their systems against new file formats, meet technical interface requirements and register for testing	Participants have completed internal testing of their systems, connectivity tested with new UK Link and registered to participate in market acceptance testing

Inputs to Participants

During Xoserve Internal Testing Phases

- End state file formats (30/09/14)
- Progress updates on Xoserve internal test (Monthly Dashboard)
- Detailed Market Test approach (Q1 2015)
- Market test registration process and dates (Q1 2015)

Connectivity Test

- Test environment
- Technical details for connection
- Log-in IDs and accounts (if applicable)
- Technical support during testing
- UK Link defect resolution and fix deployment

Market Trials

- Test environment
- Recommended test scenarios
- Log-in IDs and accounts (if applicable)
- Support (both technical and functional)
- UK Link defect resolution and fix deployment

Xoserve



respect > commitment > teamwork