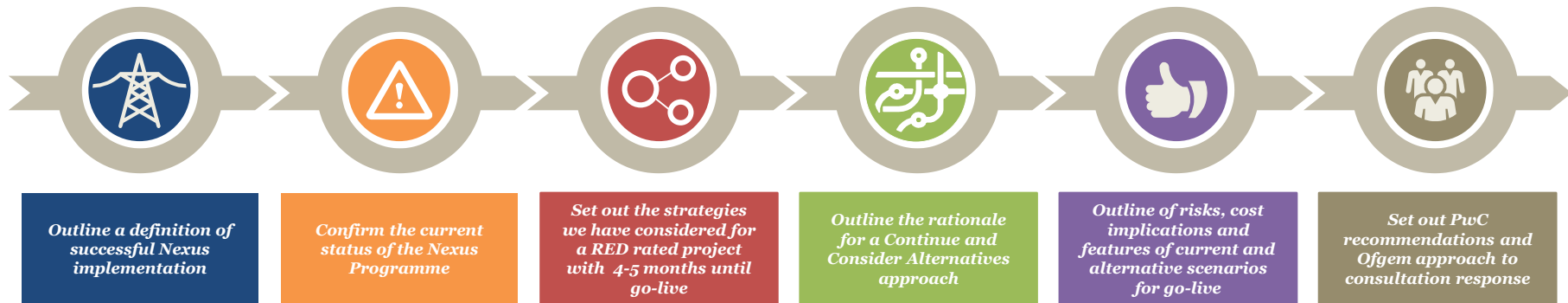# Project Nexus Delivery Group 31st May 2016 Agenda

- Broadcast of Positioning Paper Activities

- Approval of PNDG minutes

- Review of the Current PNDG Report

- Hot Topic: Performance Testing

- Hot Topic: Overview of GONG approach

- Hot Topic: Unique Sites testing update

# Overview of the Positioning Paper Activities

| Outline a definition of successful Nexus implementation | Confirm the current status of the Nexus Programme | Set out the strategies we have considered for a RED rated project with 4-5 months until go-live | Outline the rationale for a Continue and Consider Alternatives approach | Outline of risks, cost implications and features of current and alternative scenarios for go-live | Set out PwC recommendations and Ofgem approach to consultation response |
|---|---|---|---|---|---|

- Ofgem hosted the first Project Nexus Sponsor's Forum on 19th May 2016.
- Ofgem will be publishing a position paper on 2nd June alongside the normal PNSG pack.
- This position paper will assess a number of delivery scenarios with different "go-live" dates, including the 1st October 2016, and considers the industry and consumer risks associated with each option.
- PwC will be making a recommendation on whether to retain the 1st October 2016 as the target or to change the date.

- The PNSG will move from the 6th June to the 13th June to allow constituencies to discuss the position paper.
- Industry participants are requested to submit any topics for discussion/focus areas/issues/questions for the PNSG to projectnexus.pmo@uk.pwc.com by the 8th June to help structure the agenda for the PNSG on the 13th June.
- We will discuss and gather views from constituencies at the PNSG on 13th June and will also be arranging meetings with each of the Project Nexus constituencies.

- As a multi-party project there needs to be a target implementation date for everyone to plan and drive towards. Ofgem's ambition is to make a decision on PwC's recommendation at the end of June.
- Until a decision is made otherwise, the 1st October 2016 remains the target implementation date. The most important action that market participants can take, is to continue progressing through market trials.
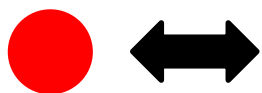
# Approval of PNDG minutes

# Project Nexus Status Report

PNDG – 31st May 2016

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# *Programme Overview*

**For the period: 13/05/16 – 26/05/16**

### Project Nexus

🔴 ↔

### 1st October 2016

| | Project Delivery | Market Trials | Data | Transition | GONG |
|---|---|---|---|---|---|
| **Overall** | 🔴 ↔ | 🔴 ↔ | 🔴 | 🔴 ↔ | ⚪ |
| Xoserve | 🔴 ↔ | 🟡 ↔ | 🔴 ↑ | 🟡 ↔ | ⚪ |
| Baringa view of Xoserve | 🔴 ↔ | 🟡 ↔ | 🔴 ↔ | 🔴 ↑ | ⚪ |
| Participants | 🟡 ↔ | 🔴 ↔ | 🟡 | 🔴 ↔ | ⚪ |

*\*Mitigation action may be required by multiple individuals and not specifically related to the party rated.*

| | |
|---|---|
| 🔴 | Poses significant risk to go live – immediate mitigation required* |
| 🟡 | Go Live At risk - manageable with mitigation* |
| 🟢 | On track |
| 🔵 | Complete |
| ⚪ | N/A or No information |
| ↑ | Increase in severity since previous report |
| ↔ | No change in status |
| ↓ | Decrease in severity since previous report |

## Key Risks, Issues and Decisions

| | |
|---|---|
| **R029** | Parallel running of defect resolution, unique sites trials and regression testing in the market trials environment. |
| **R031** | Xoserve fail to provide clarity over current and future design changes. |
| **R034** | A constrained plan results in sub-optimal preparation and readiness for go-live. |
| **R044** | Lack of readiness of individual participants could cause adverse impacts on other participants during programme operations. ★New |
| **R011** | The transition approach does not support a high quality, low risk implementation. Delay in agreeing the 'low level' transition design may hinder participant ability to build, test and trial their preparations for transition. |
| **D004** | Approval of milestone changes and subsequent required redrawing of the programme plan. |

**Xoserve Market Trials Defects** Pg. 18
**09/05/16 - 23/05/16**

*PwC are in discussion with Xoserve to improve the reporting of defects and address the inconsistency in these charts between the totals and the numbers opened and closed.*

Critical - P1 · Major - P2 · Moderate - P3 · Minor - P4

**Xoserve UAT Defect Status** Pg. 13
**09/05/16 - 23/05/16**

Critical - P1 · Major - P2 · Moderate - P3 · Minor - P4

**Average % Complete of Test Plan** Pg. 16
(as of 24/05/16)

% way through Market Trials

I&C | GT | 6 Largest Shippers | Challenger | iGT

‖ Progress at last report ▮ Progress since last report

**Xoserve UAT Progress** (as of 24/05/16) Pg. 13

SPA (T1A) | RGMA (T1B) | Reads (T2A) | AQ/CWV (T2B) | Invoicing (T3) | CMS/Gemini (T4)

■ Complete ■ On Track ■ At Risk ■ Overdue

# *Programme Commentary*

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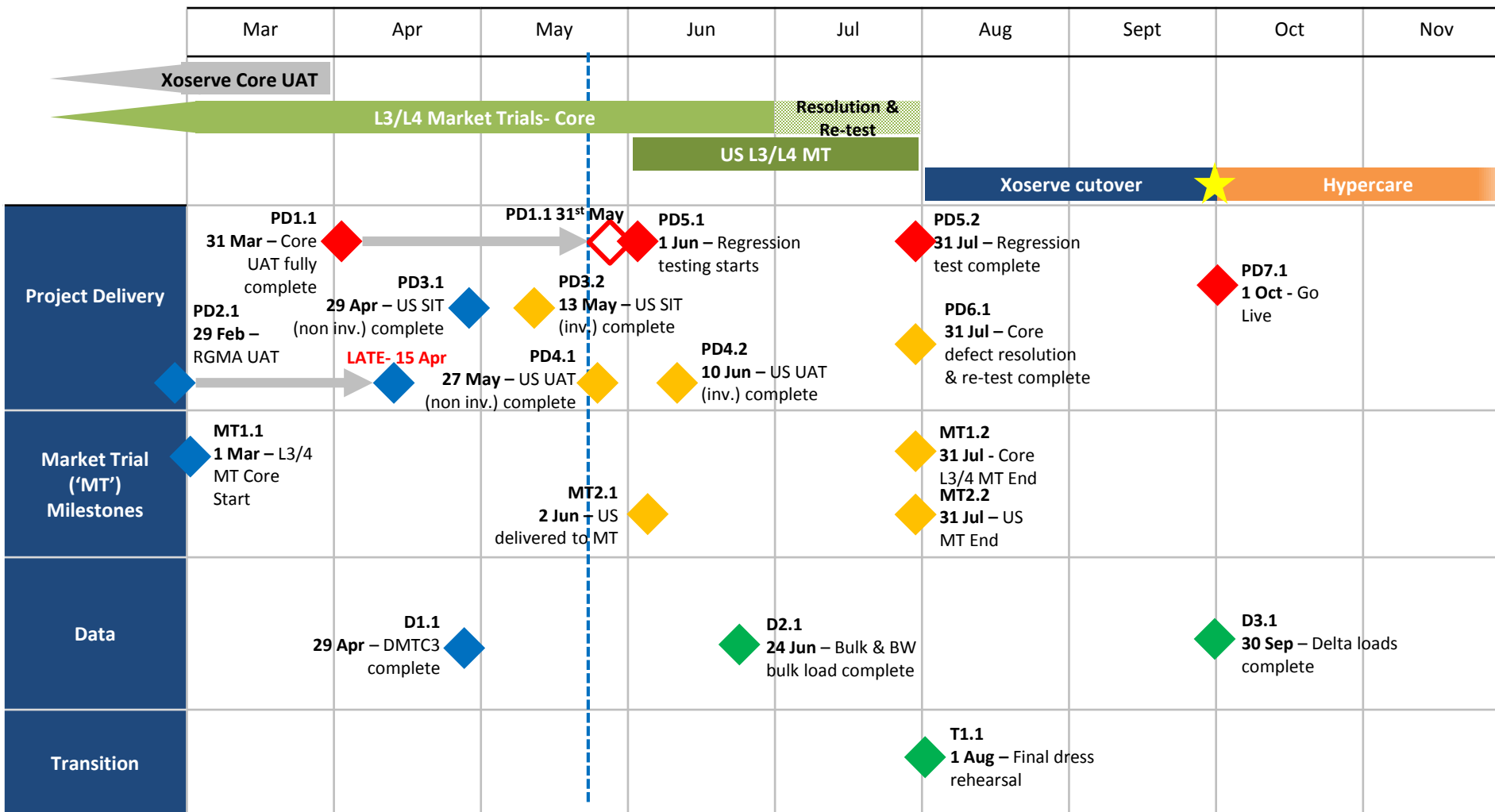
### Project Nexus
🔴 ↔️

**Overview (26/05/16):**
No change in overall status of Project Nexus with continued pressures across all delivery areas. The compressed timelines and overlapping of activities remain a key concern.

| W/S | Project Delivery 🔴 ↔️ | Market Trials 🔴 ↔️ | Data 🔴 | Transition 🔴 ↔️ | GONG ⚫ |
|---|---|---|---|---|---|
| **Status** | | | | | |
| **Commentary** | • Delivery remains a challenge, data and performance testing deliverables remain key risk areas.<br>• Unique sites to go live 1st June however data load poses a risk with no contingency time built in.<br>• UAT E2E excluding US testing is 99% complete, small number of complex reconciliation scenarios remain.<br>• Performance test execution restarts on the new environment 31st May. | • The trajectory of participants is behind that required in order to allow market trials to complete by 30th June (3 % vs. the 11 % completion per week required).<br>• Speed of defect resolution remains a challenge, however less than half of participants are attending the defect prioritisation calls.<br>• Total proportion of invalid tickets closed in the last two weeks has increased to 31 %. 29 % of tickets raised were dealt with in agreed SLA. | •The go decision was given for bulk load extract to commence on schedule.<br>• There is a further go/no go decision covering the start of data transformation activities on 2nd June.<br>• PwC will chair the next DMG meeting on 16th June.<br>• Further analysis is required to understand the root cause of iGT data issues.<br>• Reuse of bulk load routines and increased number of delta load cycles will reduce, although not eliminate, the risk associated with the delta load.<br>• No holistic approach to data quality tracking and reporting. Presently no single group focusing on all data quality issues and required actions. | • Timing of transition, critical dependency on late performance testing and lack of governance does not provide sufficient confidence in current approach.<br>• TPG will now be chaired by PwC from 31st May. A revised ToR has been created to cover the TPG's role going forwards.<br>• IDR Preparation on track to start IDR1. | • The GONG criteria will be published alongside the positioning paper on 2nd June for discussion at the 13th June PNSG. |
| **Actions** | A001, A002, | A004, A036, A039 | A006<br>**NEW:** Expand the DMG and determine a new ToR to ensure data quality issues are appropriately managed. (PwC, 16th June). | A006, A041 | A011 |

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# *Programme Plan*

## 2016

| | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov |
|---|---|---|---|---|---|---|---|---|---|

Xoserve Core UAT

L3/L4 Market Trials- Core

Resolution & Re-test

US L3/L4 MT

Xoserve cutover — Hypercare

### Project Delivery

**PD1.1**
**31 Mar –** Core UAT fully complete

**PD1.1 31st May**

**PD5.1**
**1 Jun –** Regression testing starts

**PD5.2**
**31 Jul –** Regression test complete

**PD7.1**
**1 Oct -** Go Live

**PD2.1**
**29 Feb –** RGMA UAT

**PD3.1**
**29 Apr –** US SIT (non inv.) complete

**PD3.2**
**13 May –** US SIT (inv.) complete

**PD6.1**
**31 Jul –** Core defect resolution & re-test complete

**LATE- 15 Apr**

**PD4.1**
**27 May –** US UAT (non inv.) complete

**PD4.2**
**10 Jun –** US UAT (inv.) complete

### Market Trial ('MT') Milestones

**MT1.1**
**1 Mar –** L3/4 MT Core Start

**MT2.1**
**2 Jun –** US delivered to MT

**MT1.2**
**31 Jul -** Core L3/4 MT End

**MT2.2**
**31 Jul –** US MT End

### Data

**D1.1**
**29 Apr –** DMTC3 complete

**D2.1**
**24 Jun –** Bulk & BW bulk load complete

**D3.1**
**30 Sep –** Delta loads complete

### Transition

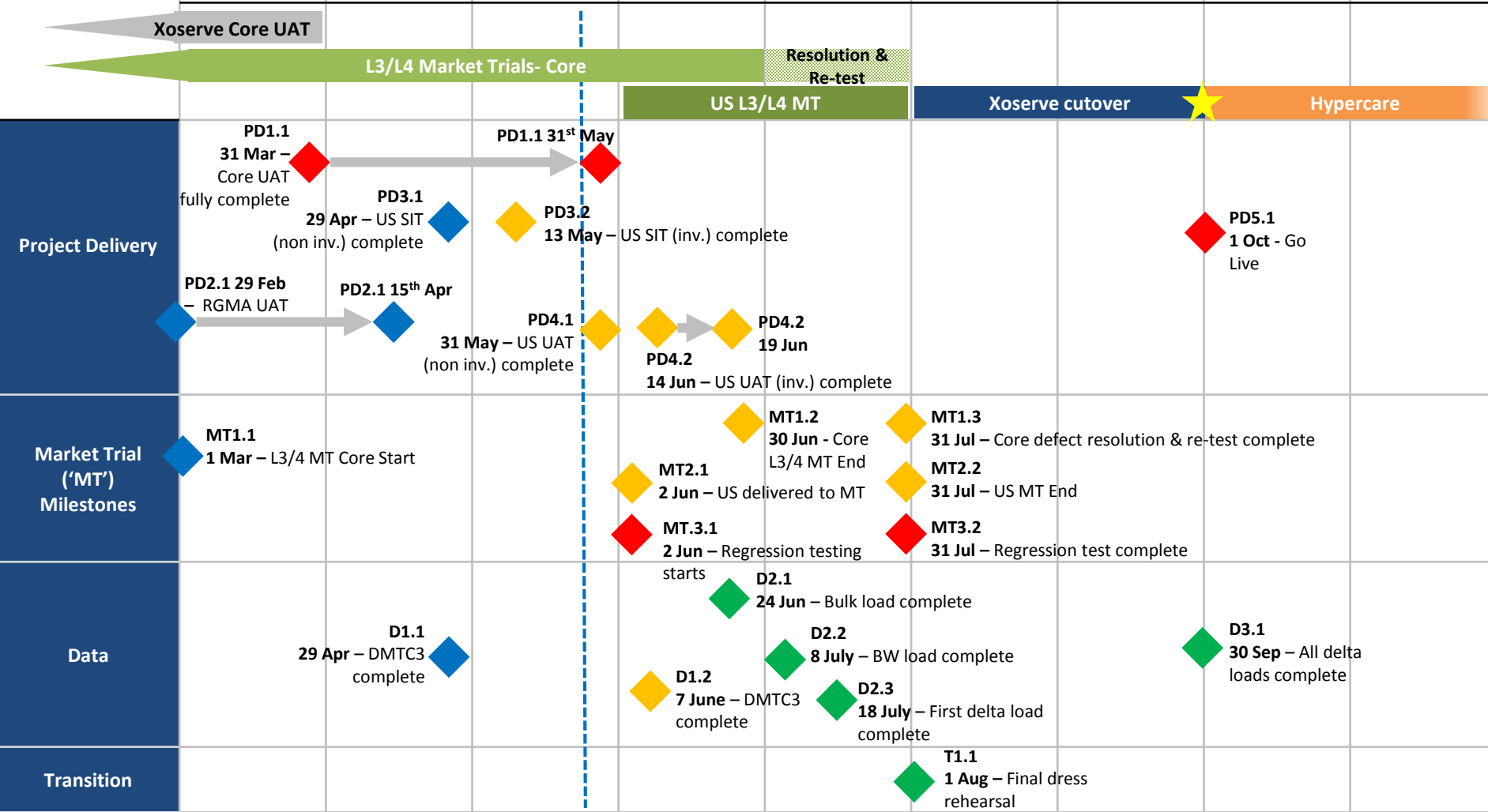**T1.1**
**1 Aug –** Final dress rehearsal

**Milestone RAG Key:** ◆ Complete | ◆ On Track | ◆ Risk to individual milestone(s) | ◆ Risk to go-live | ➡ Slip/expected delay of milestone

# Proposed Programme Plan

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## 2016

| | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov |
|---|---|---|---|---|---|---|---|---|---|

**Xoserve Core UAT**

**L3/L4 Market Trials- Core**

**Resolution & Re-test**

**US L3/L4 MT** | **Xoserve cutover** | **Hypercare**

### Project Delivery

**PD1.1 31 Mar –** Core UAT fully complete

**PD1.1 31st May**

**PD3.1 29 Apr –** US SIT (non inv.) complete

**PD3.2 13 May –** US SIT (inv.) complete

**PD5.1 1 Oct -** Go Live

**PD2.1 29 Feb –** RGMA UAT

**PD2.1 15th Apr**

**PD4.1 31 May –** US UAT (non inv.) complete

**PD4.2 14 Jun –** US UAT (inv.) complete

**PD4.2 19 Jun**

### Market Trial ('MT') Milestones

**MT1.1 1 Mar –** L3/4 MT Core Start

**MT1.2 30 Jun -** Core L3/4 MT End

**MT1.3 31 Jul –** Core defect resolution & re-test complete

**MT2.1 2 Jun –** US delivered to MT

**MT2.2 31 Jul –** US MT End

**MT.3.1 2 Jun –** Regression testing starts

**MT3.2 31 Jul –** Regression test complete

### Data

**D1.1 29 Apr –** DMTC3 complete

**D2.1 24 Jun –** Bulk load complete

**D2.2 8 July –** BW load complete

**D3.1 30 Sep –** All delta loads complete

**D1.2 7 June –** DMTC3 complete

**D2.3 18 July –** First delta load complete

### Transition

**T1.1 1 Aug –** Final dress rehearsal

**Milestone RAG Key:** ◆ Complete ◆ On Track ◆ Risk to individual milestone(s) ◆ Risk to go-live ➡ Slip/expected delay of milestone

# *Programme Risk and Issues*

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| Risks and Issues | Workstream | Rating | Due Date | Progress as of 24/05/16 | Mitigation/Actions | Owner |
|---|---|---|---|---|---|---|
| Risk R029: Parallel running of defect resolution, unique sites trials and regression testing in the market trials environment could mean that the programme fails to exit Market Trials on time. | *Market Trials* | **20** *Pre-Mitigation Likelihood: Almost Certain (5)* *Pre-Mitigation Impact: Major (4)* | 31/05/2016 | 1) Ofgem will release a positioning paper as of 2nd of June. The decision on regression testing will be held until that point. | 1) PwC and Xoserve to respond to/consider MTWG recommendation regarding regression testing. (A036) | MTWG and Xoserve |
| Amended Risk R031:There is a risk that Xoserve fail to provide clarity over current and future design changes. This could cause delays in the delivery of key milestones and result in increased frustration amongst programme participants. | *Project Delivery* | **20** *Pre-Mitigation Likelihood: Almost Certain (5)* *Pre-Mitigation Impact: Major (4)* | 31/07/2016 | 1 & 2) Lists have been produced and is being updated in line with UKLink Committee decisions from the meeting on 25th May. | 1) Xoserve are to provide a definitive list of the outstanding items yet to be delivered to Market Trials (e.g. portfolio reports, invoicing thick files, complex reconciliation) and other functionality outstanding. Include target dates for each item. (A023)  2) Xoserve are to provide a list of all design changes and issues being discussed within each of the committees/groups (e.g. PNSG, UKLINK, Market Trials). (A025) | Xoserve |

| Ratings | >15 Extreme | 9-15 Very High | 4-9 Medium | 4> Low |
|---|---|---|---|---|

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# *Programme Risk and Issues*

| Risks and Issues | Workstream | Rating | Due Date | Progress as of 24/05/16 | Mitigation/Actions | Owner |
|---|---|---|---|---|---|---|
| Risk R034: A constrained plan results in sub-optimal preparation and readiness for go-live. | Project Delivery | **20** Pre-Mitigation Likelihood: Almost Certain (5) Pre-Mitigation Impact: Major (4) | 31/05/2016 | 1) Ofgem will be publishing a positioning paper on 2nd June 2016 that sets out alternative delivery scenarios for consideration by the industry. | 1) Ofgem to identify and communicate industry plan contingency scenarios and options. (A021) | PwC and Ofgem |
| **NEW** Risk RO44: Lack of readiness of individual participants could cause adverse impacts on other participants during programme operations. | Project Delivery | **15** Pre-Mitigation Likelihood: Possible (3) Pre-Mitigation Impact: Severe (5) | | N/A | 1) TPG to conduct scenario planning exercises to confirm the impact of a lack of readiness on different participants (e.g. shippers, suppliers, GTs, iGTs), on each other and the market. (**NEW**) 2) TPG are to report the results of the above to PNDG and recommend if any further mitigating actions are required. (**NEW**) | TPG |

**Ratings**  **>15** Extreme   **9-15** Very High   **4-9** Medium   **4>** Low

# Programme Risk and Issues

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| Risks and Issues | Workstream | Rating | Due Date | Progress as of 24/05/16 | Mitigation/Actions | Owner |
|---|---|---|---|---|---|---|
| Risk R011: The transition approach does not support a high quality, low risk implementation. Delay in agreeing the 'low level' transition design may hinder participant ability to build, test and trial their preparations for transition. | Transition | **15**<br><br>*Pre-Mitigation Likelihood: Possible (3)*<br><br>*Pre-Mitigation Impact: Severe (5)* | 31/05/2016 | 1) PwC have assumed chairmanship of the TPG from 31st of May.<br><br>2) Low level transition approach has been provided and requires finalisation. Cutover plan is being developed and due from Xoserve mid June.<br><br>3) Entry and exit criteria are being developed for dress rehearsal and are due at the end of May. Process for dress rehearsals currently being developed. | 1) Cross industry transition planning workstream and PNDG to oversee approach and preparation for transition. (A006)<br><br>2) Finalise the low level transition approach and detailed cutover plan. Ensure the market is fully aware of the agreed approach and plans. (A041)<br><br>3) Determine how a low level dress rehearsal can be best achieved to mitigate the risks associated with an early point of no return and the high level of confidence that is required. (A041)<br><br>4) Develop an industry wide transition governance framework that incorporates the GONG criteria. **(NEW)** | TPG |

| Ratings | >15 Extreme | 9-15 Very High | 4-9 Medium | 4> Low |
|---|---|---|---|---|

# *Decisions*

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| # | Decision | Status | Due Date | Areas of Programme Affected | Comments (26/05/16) | Outcome |
|---|---|---|---|---|---|---|
| D002 | Move milestone T1.1 Final Dress Rehearsal from 1st August to 16th September as this was mistakenly labelled as completion of the Final dress rehearsal but is actually the completion of the first. | 🟢 | 13/06/16 (PNSG) | Transition | PNDG Recommendation: The PNDG on 17th May 2016 have recommended milestone T1.1 be moved from the 1st August to 16th September to correct the scheduling mistake. | |
| D003 | Addition of milestone for delivery of remaining DMTC3 activity. | 🟢 | 13/06/16 (PNSG) | Data | PNDG Recommendation: The PNDG on 17th May 2016 have recommended the addition of a data milestone as the full DMTC3 cycle runs until June with the current milestone D1.1 tracking bulk DMTCs load, which is complete. Additional milestone is suggested to track delivery of remaining DMTCs in line with Xoserve plan. | |
| D004 | Approval of milestone changes and subsequent required redrawing of the programme plan. | *NEW* | 13/06/16 (PNSG) | All | PNDG to advise PNSG: Programme plan has been redrawn to reflect the current position following a review by PMO and Xoserve. This includes the change and addition/removal of milestones to ensure appropriate reporting and tracking of required activities. | |

# Project Delivery – Progress

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**Key messages from Xoserve (24/05/16):**

- Further progress made in the closure of remaining Invoice E2E scenarios. These are now 99% complete. The remaining scenarios are all related to reconciliation invoice processes. Due to the complex up-stream combination of variants required to trigger these specific scenarios they have not yet been seen in MT. To mitigate this a new approach to execute these scenarios has been planned.
- There has been good progress made in closing Critical UAT defects as well as a significant reduction in Major severity ones. Unique Sites UAT is tracking slightly ahead of plan to date.

### Xoserve UAT Defect Status 09/05/16 - 23/05/16
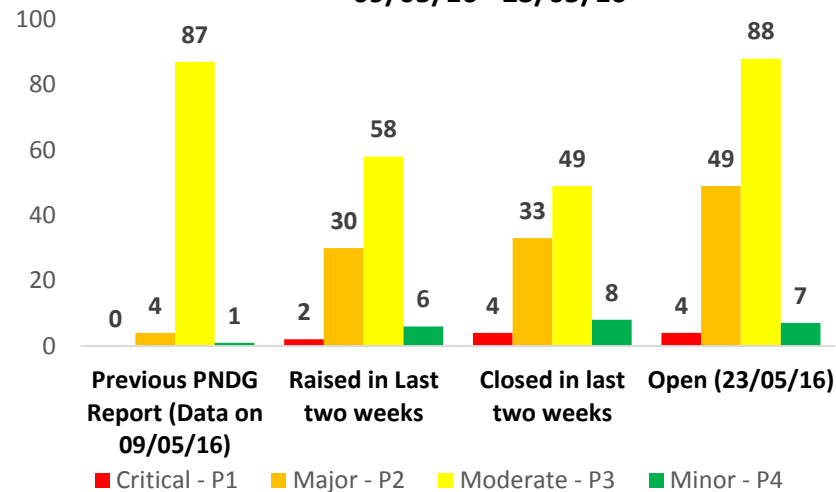


Note: **TBC**

| Process Area | % of Tranche Activities Remaining | Remaining as a % of Total Test Cases | Expected Completion Date | |
|---|---|---|---|---|
| SPA (T1A) | - | - | Complete | 🔵 |
| RGMA (T1B) | - | - | Completed Late | 🔵 |
| Reads (T2A) | - | - | Complete | 🔵 |
| AQ/CWV (T2B)* | - | - | Complete | 🔵 |
| Invoicing (T3) | 99 | 1 | 31/05/16 | 🔴 |
| CMS/Gemini (T4) | - | - | Complete | 🔵 |

*AQ / Correctional Weather Variance

### E2E Progress as of 24/05/16
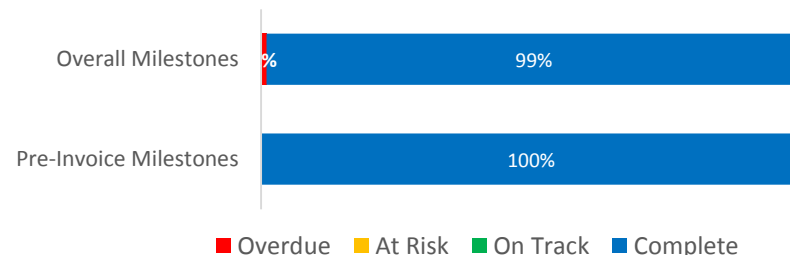
# *Project Delivery - Milestones*

| Xoserve Milestones | RAG | Progress/Comments from Xoserve as of 23/05/16 | Actions | Action Owner |
|---|---|---|---|---|
| PD1.1 Core UAT Fully Complete | | Further progress made in reconciling and closing out remaining invoice scenarios. From an execution perspective, only a few complex reconciliation scenarios remain (the combination of up-stream processes required to trigger these have not yet been seen in MT). The closeout of these scenarios has had to be re-planned as data in the UAT environment can't support these scenarios. | **A013:** Close out of remaining invoice steps in E2E UAT. | Xoserve |
| PD3.1 US SIT (non inv.) complete | | Completed on 13th May. | | Xoserve |
| PD3.2 US SIT (inv.) complete | | On track to feed into UAT schedule. | | |
| PD4.1 US UAT (non inv.) complete | | Unique Sites UAT is tracking to plan as of w/c 23/05. 76% of all pre-invoice test cases have been completed and 73% of the planned regression scripts have passed. Closeout of outstanding defects planned for early w/c 23/05 (primarily RGMA and registration process related). | | Xoserve |
| PD4.2 US UAT (inv.) complete | | | | |
| PD5.1 Regression testing starts | | Market trials testing is ongoing and regression testing requires a stable environment to test, which is not currently available. MTWG have produced a recommendation on the requirements for regression testing which are currently under review. | **A036:** PwC and Xoserve to respond to/consider MTWG recommendation regarding regression testing. | PwC |
| PD5.2 Regression testing complete | | | | |

# *Project Delivery - Participants*

**Key Messages (updated 24/05/16 based on portal submissions up to 20/05/16):**

- 32 participants provided an update between 18th and 24th May. With 25 participants submitting the detailed scenario information.
- There has a downward shift in participant view of progress with an increase in participants citing either off-track but manageable or unlikely to complete in the timeframe.
- The previously unavailability of system functionality and number of defects identified within the test environment are raised by over half the participants as barriers to meeting their test plan and participants indicating that they will require July to complete their testing.

**Total participant view of progress**

| 0 | ↔ | 4 | ↓ |
| 24 | ↑ | 4 | ↑ |
| 10 | ↓ |

**Key**
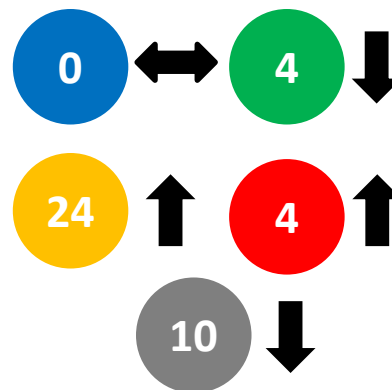
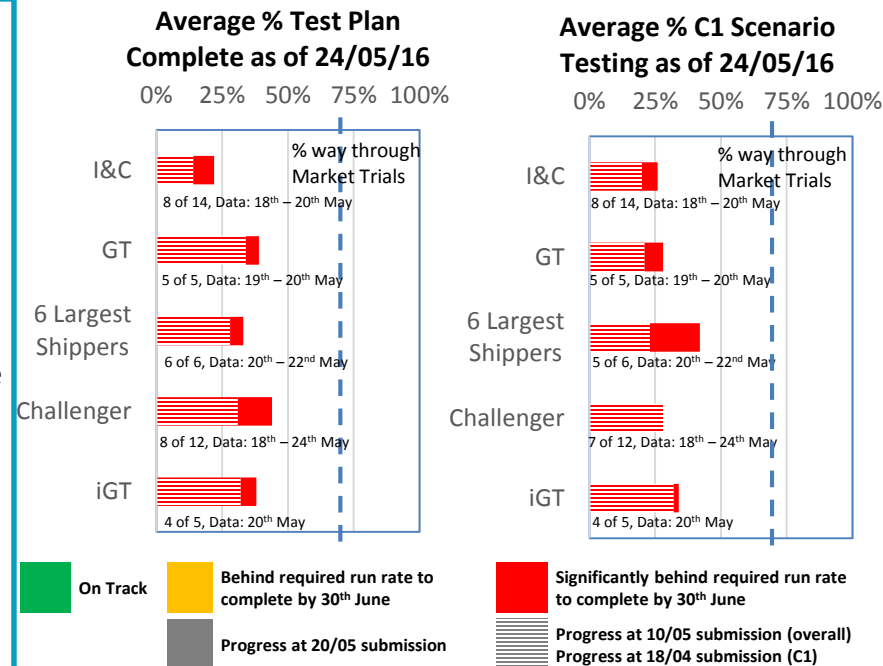| n | Number of participants reporting behind test schedule and unlikely to complete in timeframe |
|---|---|
| n | Number of participants reporting off track but remediation activities will support completion in current timeframe |
| n | Number of participants rating on track with test schedule |
| n | Number of participants reported to have completed test schedule |
| n | Number of participants that did not supply information |

| Participant | Status as of 20/05/16 | Comments as of 26/05/16 | Actions | Responsible |
|---|---|---|---|---|
| 6 Largest Suppliers | 0 0 5 1 0 | There has been an increase in the number of organisations reporting that they are unlikely to complete in the timeframe, citing continued issues with RGMA functionality and key defects as the main issues affecting testing. The stability of the system has also been raised by a number of participants as a barrier and 8 participants have indicated that they will require July to complete testing. | **NEW:** Follow up with off-track participants to identify required remediation activities. | PwC |
| I & C | 0 2 6 1 5 | | | |
| Challenger | 0 0 6 2 4 | | | |
| GTs | 0 2 3 0 0 | | | |
| iGTs | 0 0 4 0 1 | | | |

Status based on organisation submissions between to 20th May to Nexus Portal on delivery to test plan being either 'on track', 'off track but manageable with remediation activities' or 'behind test schedule and unlikely to complete in timeframe'

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# *Market Trials - Progress*

**Key Messages (updated 24/05/16 based on portal submissions up to 20/05/16):**

- There has been an improvement in the overall progress, however progress across all participants remains behind schedule with an average weekly run rate of just 3.1 %, with a required run rate of 11 %, up from 9.5 %, required to achieve 30th June.
- Progress of the mandatory C1 scenarios is also behind schedule, with average progress at 32 % and little change in reported progress. C2 completion is also reported as behind with average completion of just 19 %. At this point, based on a June 30th date, progress should be at 70 %.
- In depth analysis of participant progress against each scenario is underway, with 25 participants submitting data on detailed scenario progress.
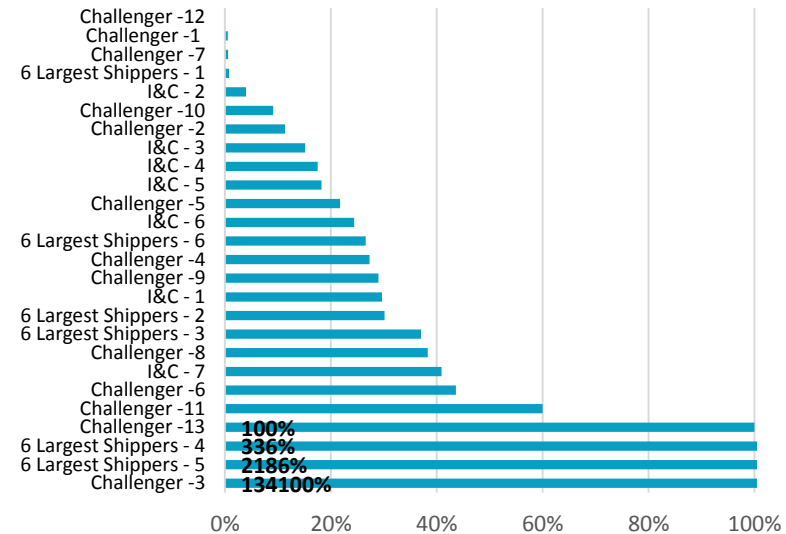
**Average % Test Plan Complete as of 24/05/16**

0%   25%   50%   75%   100%

I&C — % way through Market Trials
8 of 14, Data: 18th – 20th May

GT — 5 of 5, Data: 19th – 20th May

6 Largest Shippers — 6 of 6, Data: 20th – 22nd May

Challenger — 8 of 12, Data: 18th – 24th May

iGT — 4 of 5, Data: 20th May

**Average % C1 Scenario Testing as of 24/05/16**

0%   25%   50%   75%   100%

I&C — % way through Market Trials
8 of 14, Data: 18th – 20th May

GT — 5 of 5, Data: 19th – 20th May

6 Largest Shippers — 5 of 6, Data: 20th – 22nd May

Challenger — 7 of 12, Data: 18th – 24th May

iGT — 4 of 5, Data: 20th May

**On Track** | **Behind required run rate to complete by 30th June** | **Significantly behind required run rate to complete by 30th June**

**Progress at 20/05 submission** | **Progress at 10/05 submission (overall)** / **Progress at 18/04 submission (C1)**

| Milestones | RAG | Progress/Comments as of 10/05/16 | Actions | Action Owner |
|---|---|---|---|---|
| MT1.2 Core L3/4 MT end | 🔴 ↔ | Average run rate for plan completion has increased from 2.2 to 3.1 %. However, in order to meet the 30th June date, a run rate of 11 % (4 x current rate) is required. At current progress, average completion will be 51 % significantly behind and hence resulting in continued red status. | | |
| MT2.1 US delivered to MT | 🟡 ↔ | Pre invoicing processes on track for delivery into MT from 1st June. Some defects still outstanding due to be resolved later this week. Post invoicing processes on track to be available into MT prior to July invoice run. | | |
| MT2.2 US MT End | 🟡 ↔ | | | |

# Market Trials - Participation

ofgem
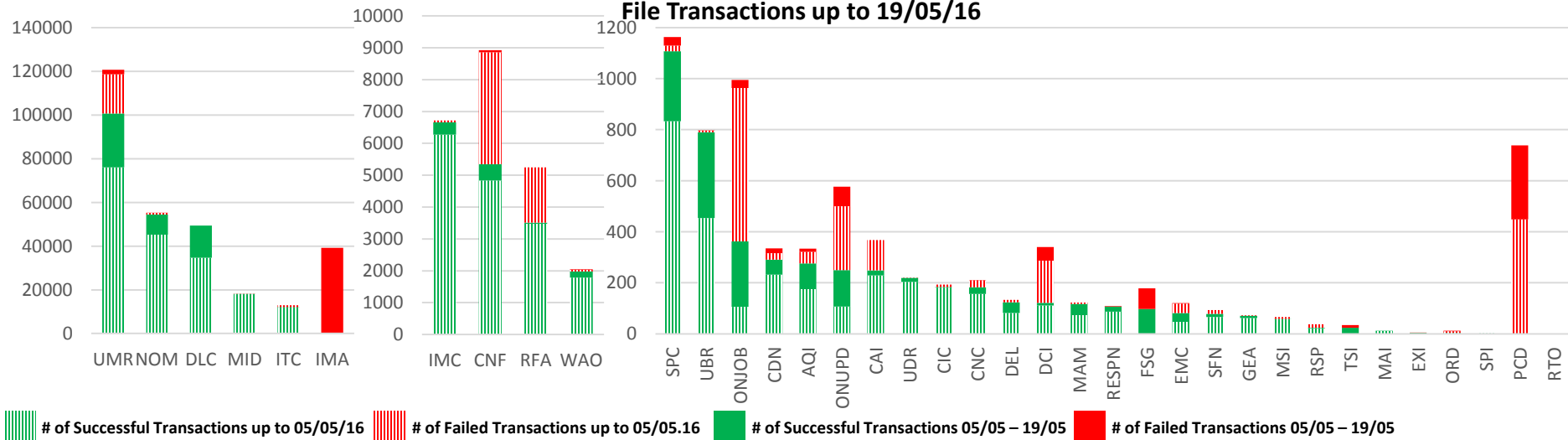Making a positive difference
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**Key Messages (updated 25/05/16):**

- Total number of transactions has increased by 37 % from 5th May to 19th May with growth across all sectors.
- Failure rate of all transactions has increased from 11 % on 5th May to 21 % on May 19th.
- The high failure rate is predominantly caused by over 39,000 rejections for CSEP MeterPoint Amendment (IMA), investigations are underway to understand the cause.
- RGMA related file types (ONJOB and ONUPD) have shown improved success rates since 5th May (89 % and 65 % compared to 15 % and 30 % respectively).

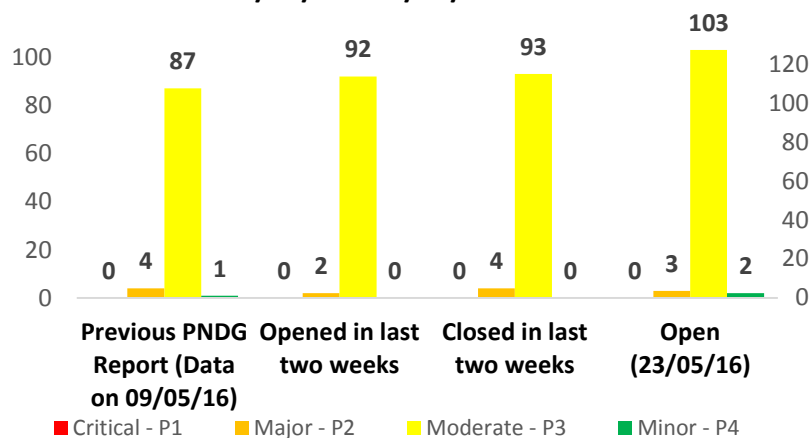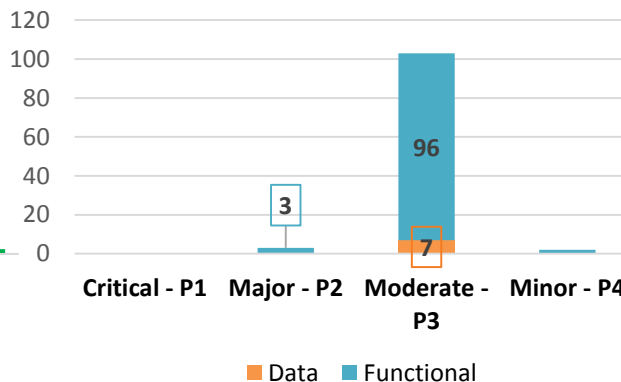**% Increase in activity 05/05/16 - 19/05/16**

(Chart listing from top to bottom: Challenger -12, Challenger -1, Challenger -7, 6 Largest Shippers - 1, I&C - 2, Challenger -10, Challenger -2, I&C - 3, I&C - 4, I&C - 5, Challenger -5, I&C - 6, 6 Largest Shippers - 6, Challenger -4, Challenger -9, I&C - 1, 6 Largest Shippers - 2, 6 Largest Shippers - 3, Challenger -8, I&C - 7, Challenger -6, Challenger -11, Challenger -13 **100%**, 6 Largest Shippers - 4 **336%**, 6 Largest Shippers - 5 **2186%**, Challenger -3 **134100%**)

Axis: 0%, 20%, 40%, 60%, 80%, 100%

**File Transactions up to 19/05/16**

(Bar chart 1, left axis 0 to 140000: UMR, NOM, DLC, MID, ITC, IMA)

(Bar chart 2, left axis 0 to 10000: IMC, CNF, RFA, WAO)

(Bar chart 3, left axis 0 to 1200: SPC, UBR, ONJOB, CDN, AQI, ONUPD, CAI, UDR, CIC, CNC, DEL, DCI, MAM, RESPN, FSG, EMC, SFN, GEA, MSI, RSP, TSI, MAI, EXI, ORD, SPI, PCD, RTO)

Legend:
- # of Successful Transactions up to 05/05/16
- # of Failed Transactions up to 05/05.16
- # of Successful Transactions 05/05 – 19/05
- # of Failed Transactions 05/05 – 19/05

# Market Trials - Defects

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### Xoserve Market Trials Defect Status 10/05/16 - 23/05/16



Previous PNDG Report (Data on 09/05/16): Critical - P1: 0, Major - P2: 4, Moderate - P3: 87, Minor - P4: 1
Opened in last two weeks: 0, 2, 92, 0
Closed in last two weeks: 0, 4, 93, 0
Open (23/05/16): 0, 3, 103, 2

Legend: Critical - P1, Major - P2, Moderate - P3, Minor - P4

### Xoserve Market Trials Defect Position by Type on 23/05/16



Critical - P1, Major - P2: 3, Moderate - P3: 96 / 7, Minor - P4

Legend: Data, Functional

**150 IT360 tickets currently open**

**31%**

of IT360 tickets raised in last two weeks related to invalid defects.
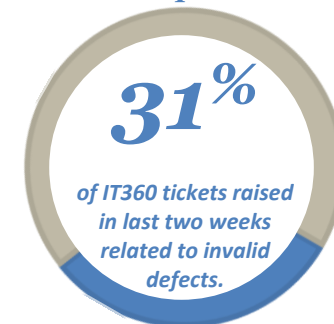
**29 % of closed tickets in past two weeks met within SLA. 50 % of all closed tickets are invalid.**
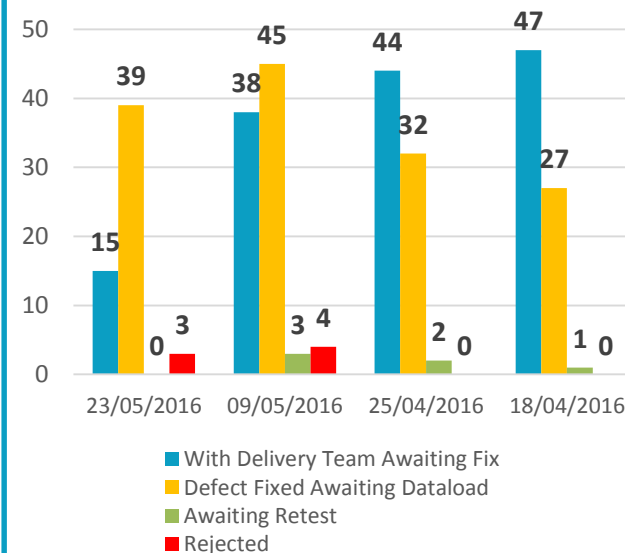
## Key Messages (24/05/16):

- Third defect prioritisation call held on Friday 20th May - 14 responses received which is less than half of the active 37 participants.
- 12 of the prioritised 20 defects from 13th May were closed, with another 5 at "RDB" or "Requires CR" status.
- Defects identified as a priority on 13th May which are not closed, but have a status of 'Requires CR' or 'RDB', will not be included in the priority list for the next week as they are already being progressed.
- In total, Xoserve closed over 93 defects in the past two weeks.
- Approximately a quarter of all defects are at the status of "Fix in progress" while around half of all defects are at the "Assigned" status.
- Some of the defects impacting organisations the most, noted from the call on 20th May were:
    - 9135 - MT L3 - P - IT360 521017 - Templates - - Incorrect Short Code & Org IDs populated – 557
    - 9097 - MT L3 - P - IT360 520824 - Data - EQL - DVD Received with incorrect Short Code and Org ID – 550
    - 9080 - MT L3 - P - IT360 520410, 526286 - SAP ISU - JRS/UPD - Unexpected Rejections (05100 & 02108) - PR1305
- Progress review planned w/c 23rd May to validate if the process operating effectively and incorporate improvements.
- Feedback from site visits is positive regarding the new process.
- Queries are, on average, cleared within 4 days. Presently 858 of 1014 have been closed.

# *Data - Progress*

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## Key Messages (26/05/16):

- PwC attended the Data Management Group meeting on 19th May 2016 and will chair the next meeting, scheduled for 16th June. The membership and ToR will be revised to provide a single group to look holistically at data issues across all market sectors.
- Clarity over the controls in place to ensure the completeness of monthly iGT delta data loads and subsequent rejects has been requested from Xoserve as there is no regular reconciliation currently performed. This is likely to require additional resource to develop robust reconciliation processes.
- An additional environment to perform delta load testing has been established. Xoserve aim to perform 4 delta load cycles in the next 6 - 8 weeks before IDR1, with 3 loads being full volume and the last a final rehearsal to prove timing for the IDRs.
- Xoserve Technical review of delta load concluded on 13th May that 28 data objects require migration, 20 of which are the same extract routines as for bulk load. 8 objects will use similar but not identical routines.
- Reuse of bulk load routines and increased number of delta load cycles will reduce, although not eliminate, the risk associated with the delta load.

### Data Bulk Defect Position as of 23/05/16



Legend:
- With Delivery Team Awaiting Fix
- Defect Fixed Awaiting Dataload
- Awaiting Retest
- Rejected

| Date | With Delivery Team Awaiting Fix | Defect Fixed Awaiting Dataload | Awaiting Retest | Rejected |
|---|---|---|---|---|
| 23/05/2016 | 15 | 39 | 0 | 3 |
| 09/05/2016 | 38 | 45 | 3 | 4 |
| 25/04/2016 | 44 | 32 | 2 | 0 |
| 18/04/2016 | 47 | 27 | 1 | 0 |

| Milestones | RAG | Progress/Comments as of 11/05/16 | Actions | Action Owner |
|---|---|---|---|---|
| D2.1 BW bulk load complete | ◆ ↔ | Currently on track. Dependent on Bulk load which will be closely monitored. | | |

# *Transition - Progress*

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**Key Messages (24/05/16):**

- TPG have defined a transition approach, with preparation of a detailed cutover plan in progress.
- Transition is still progressing towards an end of September cutover, however it is dependent on project stages (MT, Performance Testing, IDRs) being completed. Completing all of these in time will be very challenging with no or only limited contingency available to absorb any further problems. There are concerns over meeting the objective of a low risk, high quality cutover.
- On 17th May, the performance test team provided an initial view to the TPG of the output from the baseline test for file catch up after the NED takes place. The initial results are encouraging and the TPG participants are awaiting completion of the baseline performance test on 15th June.
- A walkthrough of the Low Level Design took place at TPG on 3rd May.
- The To-Be Batch schedule was re-shared by Xoserve with indicators where batch jobs have changed from the As-Is schedule. Market participants had no comments on the changes and were happy to proceed with the schedule as listed by Xoserve.
- The following activities are scheduled to be developed with product descriptions being created as part of the TPG on 31st May:
  - IDR Criteria and Cutover Approach
  - Scenario Planning
  - Communication Approach

| Milestones | RAG | Progress/Comments as of 28/04/16 | Actions | Action Owner |
|---|---|---|---|---|
| T1.1 Completion of first dress rehearsal complete | 🟢 | Currently on track. Will closely track upstream activities and success / output of IDR1 & 2 | | |

# GONG - Progress

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| | Process (4 criteria) | System (7 criteria) | People (2 criteria) | Data (2 criteria) | Comments |
|---|---|---|---|---|---|
| **Overall** | ◯ | ◯ | ◯ | ◯ | |
| **Xoserve** | ◯ | ◯ | ◯ | ◯ | Xoserve to map internal Go/No Go criteria to programme wide criteria once criteria are finalised. |
| **Participants** | ◯ | ◯ | ◯ | ◯ | Assessment of criteria progress to Go/No Go criteria will be monitored through portal submissions. |

**Key Messages (24/05/16):**
- The GONG criteria will be published alongside the positioning paper on 2nd June for discussion at the 13th June PNSG.
- Once the criteria are finalised the Project Nexus Portal will be enhanced so that organisations can submit their 'self assessment' against these criteria.
- There will be two interim 'self assessments', followed by a final assessment prior to Go Live.
- PwC will perform additional work to determine if the evidence provided to support self assessments from individual organisations, sufficiently demonstrates completion of criteria. This will include one to one conversations and site visits.

| Milestones | RAG | Progress/Comments as of 25/05/16 | Actions | Action Owner |
|---|---|---|---|---|
| PD7.1 Go live | 🔴 ↔ | Concerns over current run rate of market trials and the challenges highlighted in data and transition result in no change for current Go Live status. | All previously noted actions required to support delivery of Project Nexus. | As detailed in Action Log |

# Appendix

# Action Log

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| Action # | Action | Progress (as of 26/05/16) | Action Owner | Status | Due Date | PNSG/ PNDG |
|---|---|---|---|---|---|---|
| A001 | Project Delivery: Xoserve to continue delivery of UAT to current plan. | 99% complete. Review in progress to enable acceleration of remaining outstanding tests. | Xoserve | 🟩 | 31/05/16 | PNDG |
| A002 | Project Delivery: Go Live planning and deep dive assessments required in parallel to ongoing delivery. | Go Live planning and deep dive assessments underway in parallel to ongoing delivery. | PwC | 🟩 | 02/06/16 | PNSG |
| A004 | Market Trials: Finalise improved, defect prioritisation regime and increased visibility of blocking defects. | First meeting to be held on 6th May, action open until process established. | Market Trials Working Group | 🟦 | 31/05/16 | PNDG |
| A006 | Data/Transition: Increase involvement and support to data working group and transition planning group in order to drive activity. | PwC chairing TPG with revised ToR under discussion. PwC to chair next DMG. | PwC | 🟦 | 06/06/16 | PNDG |
| A010 | Transition: Prioritise production of key artefacts for external (Transition Planning Group) requirements. | Agreement that PwC will now chair TPG moving forward. The Low Level Plan was finalised with the TPG on 17th May. PwC (Phil Russ) are leading a session at the 31/05 TPG to compile Product Descriptions for future agenda items (e.g. Comms Approach, Scenario Planning) and will collaboratively agree a priority on each product. | Xoserve | 🟦 | 17/05/16 | PNDG |

**Complete** | **On Track** | **At risk of not completing to due date** | **Overdue** | **New action (status TBD)**

# *Action Log*

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| Action # | Action | Progress (as of 26/05/16) | Action Owner | Status | Target Date | PNSG/ PNDG |
|---|---|---|---|---|---|---|
| *A011* | GONG: Finalise GONG criteria to a suitable level of granularity to support the ongoing readiness testing across the industry. | Refinement of previously developed GONG criteria underway for sign-off at June PNSG. | PwC | 🟩 | 02/06/16 | PNSG |
| *A012* | Risks & Issues: Refresh current risk and issue log through cross-industry workshop. | Risk and issue log refreshed following risk workshop. Risk and issue portal to launch shortly. | PwC | 🟦 | 17/05/16 | PNDG |
| *A021* | PMO: Outline how the deep dive and industry plan will come together to indicate a new date (if required) as well as address how and when further industry involvement will take place. | Ofgem will release a positioning paper as of 2nd June. The decision on regression testing will be held until that point. | PwC | 🟩 | 02/06/16 | PNSG |
| *A023* | Market Trials: Provide a definitive list of the outstanding items yet to be delivered to Market Trials (e.g. portfolio reports, invoicing thick files, complex reconciliation) and other functionality outstanding. Include target dates for each item. | Lists have been produced and is being updated in line with UKLink Committee decisions from the meeting on 25th May. | Xoserve | 🟦 | 09/05/16 | PNSG |
| *A025* | Project Delivery: Provide a list of all design changes and issues being discussed with each of the committees/groups. | Lists have been produced and is being updated in line with UKLink Committee decisions from the meeting on 25th May. | Xoserve | 🟦 | 19/05/16 | PNSG |

🟦 **Complete**   🟩 **On Track**   🟨 **At risk of not completing to due date**   🟥 **Overdue**   ⬜ **New action (status TBD)**

# *Action Log*

| Action # | Action | Progress (as of 26/05/16) | Action Owner | Status | Target Date | PNSG/ PNDG |
|---|---|---|---|---|---|---|
| *A035* | Participant rating on data and overall programme rating on data to be included in next reporting pack. | Ratings provided and detailed in pack. | PwC | ■ (Complete) | 26/05/16 | PNDG |
| *A036* | PwC and Xoserve to respond to/consider MTWG recommendation regarding regression testing. | Ofgem will release a positioning paper as of 2nd June. The decision on regression testing will be held until that point. | MTWG and Xoserve | ■ (On Track) | 02/06/16 | PNDG |
| *A037* | Programme plan update for completeness and accuracy. | Review was held on Thursday 26th May to confirm accuracy. Recommendations included for PNSG decision. | PMO and Xoserve | ■ (On Track) | 31/05/16 | PNDG |
| *A038* | Portal made available to all PNDG members and training provided for reporting risks, issues and changes. | On track to be completed by 31st May. Undergoing testing to confirm required functionality. | PwC | ■ (On Track) | 31/05/16 | PNDG |
| *A039* | Xoserve to follow up on reported RGMA defect and see whether on the priority list and/or where they are with a response. | An interim fix was put in place for the "Irrelevant data set" defect on Friday 19th May so that a general rejection code is provide rather than no rejection. The problem is in impact assessment for an enduring fix. | Xoserve | ■ (Complete) | 31/05/16 | PNDG |
| *A040* | Xoserve to confirm when US will be dropped into MT environment. | Update on US to be provided as part of PNDG session on 31st May. | Xoserve | ■ (On Track) | 26/05/16 | PNDG |

■ **Complete**  ■ **On Track**  ■ **At risk of not completing to due date**  ■ **Overdue**  ■ **New action (status TBD)**

# *Action Log*

| Action # | Action | Progress (as of 26/05/16) | Action Owner | Status | Target Date | PNSG/ PNDG |
|---|---|---|---|---|---|---|
| *A041* | PwC to review transition planning to date and provide a view on whether it is sufficient. | Review of the approach is underway as part of the industry implementation planning. In addition, as part of chairing the TPG, there will be a focus towards the development of the communications and scenario approaches we want to take during the transition and cutover phase. | PwC | | 24/06/16 | PNDG |

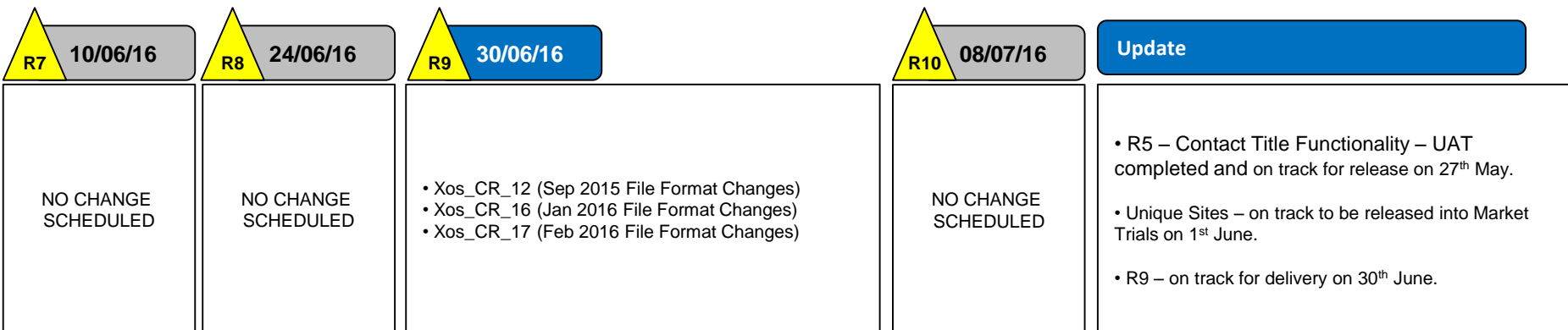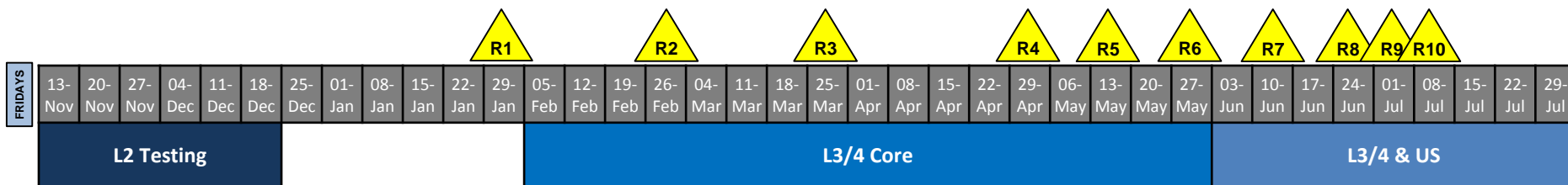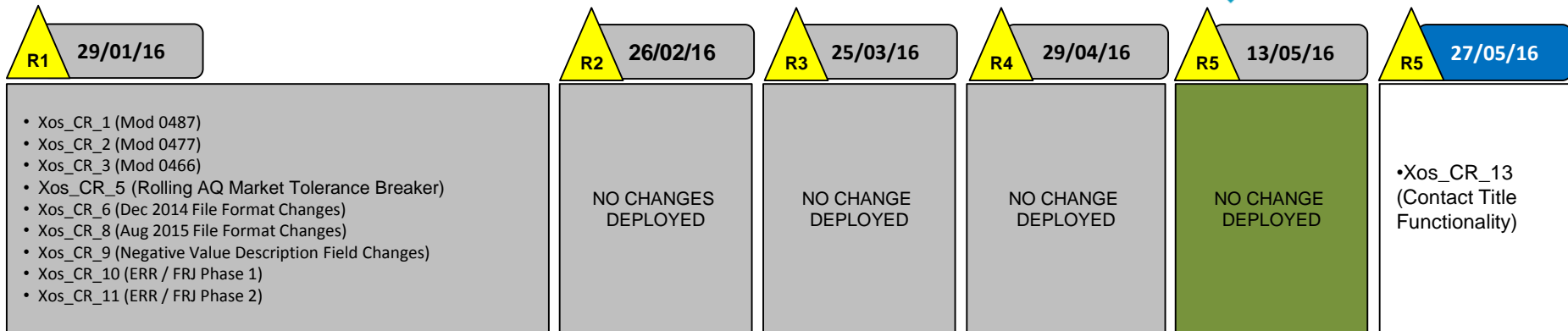**Complete**    **On Track**    **At risk of not completing to due date**    **Overdue**    **New action (status TBD)**

# *Action Log (Milestones)*

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| Action # | Milestone # | Action | Progress (as of 24/05/16) | Action Owner | Status | Target Date | PNSG/PNDG |
|----------|-------------|--------|---------------------------|--------------|--------|-------------|-----------|
| *A014* | *PD3.1 US SIT (non inv.)* *PD3.2 US SIT (inv.) complete* *PD4.1 US UAT (non inv.) complete* | Co-location and additional resources assigned and will continue to support achieving 13th May completion. | Increased resources and co-location of build, fix and test team occurred to support delivery. | Xoserve Test Team | | 13/05/16 | PNDG |
| *A016* | *MT2.1 US delivered to MT* *MT2.2 US MT End* | Xoserve to provide update on US delivery progress. | Pre invoicing processes on track for delivery into MT from 1st June. Some defects still outstanding due to be resolved later this week. Post invoicing processes on track to be available into MT prior to July invoice run. | Xoserve | | 17/05/16 | PNDG |

**Complete**   **On Track**   **At risk of not completing to due date**   **Overdue**   **New action (status TBD)**

# Release Management Plan *(1/3)*

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| R1 29/01/16 | R2 26/02/16 | R3 25/03/16 | R4 29/04/16 | R5 13/05/16 | R5 27/05/16 |
|---|---|---|---|---|---|
| • Xos_CR_1 (Mod 0487)<br>• Xos_CR_2 (Mod 0477)<br>• Xos_CR_3 (Mod 0466)<br>• Xos_CR_5 (Rolling AQ Market Tolerance Breaker)<br>• Xos_CR_6 (Dec 2014 File Format Changes)<br>• Xos_CR_8 (Aug 2015 File Format Changes)<br>• Xos_CR_9 (Negative Value Description Field Changes)<br>• Xos_CR_10 (ERR / FRJ Phase 1)<br>• Xos_CR_11 (ERR / FRJ Phase 2) | NO CHANGES DEPLOYED | NO CHANGE DEPLOYED | NO CHANGE DEPLOYED | NO CHANGE DEPLOYED | •Xos_CR_13 (Contact Title Functionality) |

**FRIDAYS**

| 13-Nov | 20-Nov | 27-Nov | 04-Dec | 11-Dec | 18-Dec | 25-Dec | 01-Jan | 08-Jan | 15-Jan | 22-Jan | 29-Jan | 05-Feb | 12-Feb | 19-Feb | 26-Feb | 04-Mar | 11-Mar | 18-Mar | 25-Mar | 01-Apr | 08-Apr | 15-Apr | 22-Apr | 29-Apr | 06-May | 13-May | 20-May | 27-May | 03-Jun | 10-Jun | 17-Jun | 24-Jun | 01-Jul | 08-Jul | 15-Jul | 22-Jul | 29-Jul |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Release markers: R1 (29-Jan), R2 (26-Feb), R3 (25-Mar), R4 (22-Apr), R5 (29-Apr), R6 (13-May), R7 (27-May), R8 (10-Jun), R9 (17-Jun), R10 (24-Jun)

**L2 Testing** | **L3/4 Core** | **L3/4 & US**

| R7 10/06/16 | R8 24/06/16 | R9 30/06/16 | R10 08/07/16 | Update |
|---|---|---|---|---|
| NO CHANGE SCHEDULED | NO CHANGE SCHEDULED | • Xos_CR_12 (Sep 2015 File Format Changes)<br>• Xos_CR_16 (Jan 2016 File Format Changes)<br>• Xos_CR_17 (Feb 2016 File Format Changes) | NO CHANGE SCHEDULED | • R5 – Contact Title Functionality – UAT completed and on track for release on 27th May.<br><br>• Unique Sites – on track to be released into Market Trials on 1st June.<br><br>• R9 – on track for delivery on 30th June. |

# Release Management Plan *(2/3)*

| Date Added | Xoserve CR No. | Industry Reference No. | Industry Change Title | Functional description of change | Impacted Stakeholders | | | | Release No. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Shipper | GT | DMSP | iGT | |
| 01/12/2015 | UKLP CRDBI005 | Xos_CR_1 | Mod 0487 | File format changed to include AMR and ASP details. Changes made in GEA file to include ASP details in it. File for registration process changed to include the AMR indicator. Changes made in other interface systems such as the Business Warehouse to store the AMR and ASP information. The purpose of the MOD is to ensure that Suppliers can find out if Automatic Reading equipment is at site. | YES | NO | NO | NO | R1 - 29/01/2016 |
| 01/12/2015 | UKLP CRDBI007 | Xos_CR_2 | Mod 0477 | Faster switching changes are captured in RRC during design phase. Changes include to the minimum confirmation timescales to 14 days instead of 20days. There is no change to the timescale for shared site registration process. | YES | NO | NO | NO | R1 - 29/01/2016 |
| 01/12/2015 | UKLP CRDBI008 | Xos_CR_3 | Mod 0466 | Amend the time the MDR file is provided to Shippers (i.e. currently sent at 11.00hrs to be sent at 12.00hrs). DMSPs to provide DLC files later, (i.e. currently provide DLC file at 08.30hrs will be able to provide DLC files at 09.30hrs). | YES | NO | YES | NO | R1 - 29/01/2016 |
| 01/12/2015 | UKLP CRDBI008A | Xos_CR_4 | Mod 0466A | Amendment to the Performance Relevant standards associated with Daily Metered sites. D+1 liability to apply at 2pm. –D+1 Liability charge to reduce to £3 from £30. | YES | NO | YES | NO | No industry impact |
| 01/12/2015 | UKLP CRDBI054 | Xos_CR_5 | Rolling AQ Market Tolerance Breaker | Introduction of new checks while doing the rolling AQ calculation and as per current RRC rules, will run until 3 years after the go live date. | YES | NO | NO | NO | R1 - 29/01/2016 |
| 01/12/2015 | UKLP CRDBI055 | Xos_CR_6 | December 2014 File Format Changes | Following the review by Shippers of all File Formats that were consulted on as part of the UNC Section U UK Link Committee process, all accepted changes to the original baselined File Formats have been agreed with Shippers. Agreed changes to the original versions of products (records, files or hierarchies) require changes to be made to the agreed December 2014 Shipper File Formats. | YES | NO | NO | NO | R1 - 29/01/2016 |
| 02/12/2015 | UKLP CRDBI089 | Xos_CR_7 | Mod 0466AV | Amendment to the performance relevant standards of service (liabilities) associated with Daily read provisions, and so changes the values and calculations for daily read liabilities, and removes the 97.5% performance standard. Make available within day read data – Hourly reads via IX (User Pays Service) – no requirement to record reads provided just ability to sent Via IX. | YES | NO | YES | NO | No industry impact |
| 01/12/2015 | UKLP IADBI124 | Xos_CR_8 | August 2015 File Format Changes | August File Format Changes Agreed and Approved by Industry. | YES | YES | NO | YES | R1 - 29/01/2016 |
| 01/12/2015 | UKLP IADBI126 | Xos_CR_9 | August 2015 File Format Changes | Amendments to the file formats to incorporate negative field values and updating the AMT catalogue based on the revised file formats. | NO | NO | NO | NO | R1 - 29/01/2016 |
| 01/12/2015 | UKLP IADBI128 | Xos_CR_10 | ERR/FRJ File Format & Rejection Codes Phase 1 | ERR rejection response moving back to legacy logic. Issue 1: Amendments to the ERR file so that the ERR file content has the entire input file attached. Issue 2: Amendments to the response file name so that it is a match to the inbound file (adding .ERR) Issue 4: Rejection codes have been reverted back to legacy codes but mapping is not consistent with legacy resulting in some different codes generated. Separate industry meetings are currently ongoing to agree these differences via the formal change process. | YES | YES | YES | YES | R1 - 29/01/2016 |

# Release Management Plan *(3/3)*

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| Date Added | Xoserve CR No. | Industry Reference No. | Industry Change Title | Functional description of change | Impacted Stakeholders | | | | Release No. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Shipper | GT | DMSP | iGT | |
| 01/12/2015 | UKLP IADBI128A | Xos_CR_11 | ERR/FRJ File Format & Rejection Codes Phase 2 | ERR rejection response moving back to legacy logic. The functionality for this changes is now linked with the changes being defined under Xos_CR_18 which is being discussed with the UKLink Committee | YES | YES | YES | YES | R1 - 29/01/2016 |
| 02/12/2015 | UKLP IADBI158 | Xos_CR_12 | September 2015 File Format Changes | September File Format Changes Agreed and Approved by Industry. | YES | YES | NO | YES | R9 – 30/06/16 |
| 04/01/2016 | UKLP IADBI131 | Xos_CR_13 | Change to Contact title functionality | A list of 80 contact titles from those currently used will be added to SAP so these titles can continue to be used. If a value other than an allowable title is received by UKLink the title will be recorded as blank but the record will not be rejected, it will return the field as blank in the associated response file. If additional titles are required a change request must be raised to approve and add the title. | YES | YES | NO | YES | R5 – 27/05/16 |
| 04/01/2016 | UKLP IADBI154 | Xos_CR_14 | Retro Updates - Suspecting Reads following Asset Attribute Update | Changes are to be made to have a consistent approach to the treatment of reads, being all reads recorded are marked 'suspect' and it will be shipper responsibility to either replace reads or submit a latest reading to trigger reconciliation and generate the adjustment to charges. | NO | NO | NO | YES | Not required |
| 04/01/2016 | UKLP IADBI157 | Xos_CR_15 | AMT Validation for No Such File Type | For inbound files received by AMT where a header record is not correctly populated or formatted and the file is not able to be processed, a validation will be built in AMT to automatically manage these scenarios. All file validation and validation responses are to be automated, so that there are no manual interventions required. | YES | YES | YES | YES | Deferred to post go live |
| 08/03/2016 | UKLP IADB164 | Xos_CR_16 | January 2016 File Format Changes | File format changes agreed and approved by industry | YES | NO | YES | YES | R9 – 30/06/16 |
| 08/03/2016 | UKLP IADB170 | Xos_CR_17 | February 2016 File Format Changes | File format changes to be agreed by industry | YES | NO | YES | YES | R9 – 30/06/16 |

# CSA Programme Board Report

## UK Link Programme

**Client:** Xoserve

**Date:** 25th May 2016

**Version:** V1_0

Reputation built on results

# Executive Summary

**Baringa**

▶ Baringa continue to report the Programme as a RED status this period

▶ Key risk drivers of this status are:
  – Persisting challenges for Performance Test, especially progress of SAP ISU testing – With baselining comparisons required to validate the move to a new environment
  – Downstream dependencies on Performance Test for Gas Day testing, and an inherent risk in the running of this late in the delivery lifecycle.
  – Pressure on Bulk load plans due to a number of open defects that must first be resolved, and limited contingency within the Delta delivery plan
  – Challenging delivery plans for test and data for Unique Sites, although good progress has been made in recent weeks from a functional testing point of view
  – A build up in downstream risk for transition activities – driven from dependencies on Data and resource contention which may impact current dress rehearsal plans
  – CRs continue to build in number, and with delivery paths not yet determined for all Day-1 required CRs

▶ Baringa note that there continue to be positive steps taken to address key risk areas and whilst progress has not been significant enough to justify a downgrade in status, the direction of travel against a number of key risks remains positive

# Plan & Risk Horizon

**Industry POAP extract (17th May)**

## Issue/Risk (Left Column)
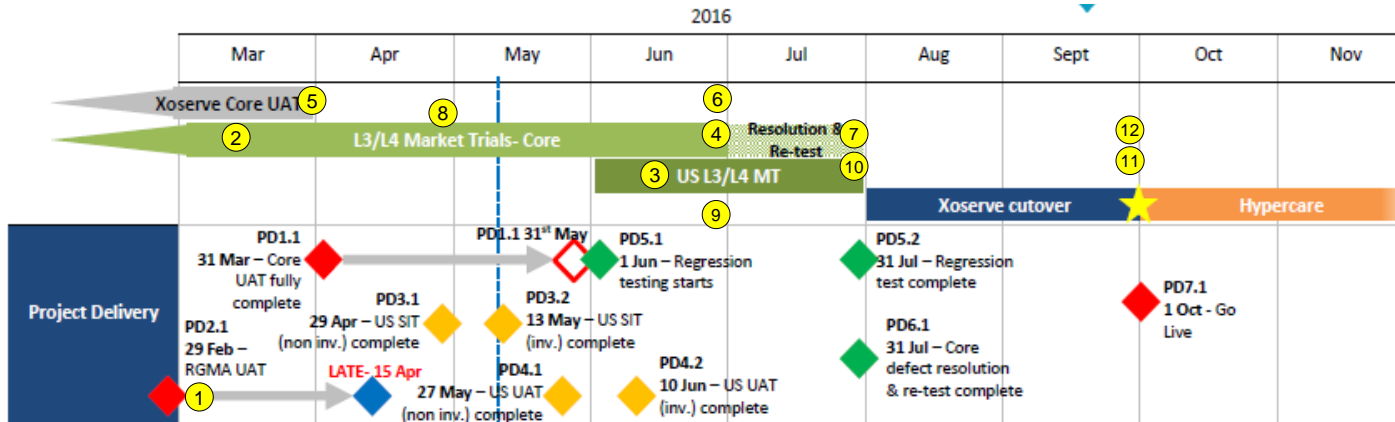
**1** — **Unique Sites plans carry a significant level of risk**, albeit tracking to plan or functional testing. Data remains the key risk area, both in terms of provisioning migrated data for UAT, and the loading of dummy data for Market Trials.

**2** — There risk that there may be **inconsistencies in configuration and code between environments** which may result in additional defects being identified within Market Trials

**3** — **Industry agreement needed on Regression test requirements** – Based on confidence provided by Xoserve from internal Regression activities for RGMA, Unique Sites & Defects/CRs

**4** — **CR delivery plans are volatile** and delivery timelines for some external CRs are at risk (e.g. file formats CRs) for meeting MT timelines and may also impact Go-Live data preparation activities. Detailed delivery plans outstanding for a number of day 1 CRs. New CVRs also continue to be raised.

**5** — **Limited progress in reducing the list of orphan source rules** due to resource constraints and so additional delivery effort associated with any traceability gaps remains unquantified

**6** — **Progress beginning to be made within Performance Testing,** however SAP core solution PT lags significantly behind plan and is currently on hold whilst the environment switchover occurs.

## Issue/Risk (Right Column)

**7** — **There is an inherent risk to the scheduling of Gas Day testing so late in the Programme lifecycle** as any issues may impact transition and go-live timelines – Jobs have been operational in MT; all are UTed; Gas Day testing plan is on track

**8** — **MT defect resolution continues to consistently breach SLAs** and deployment frequency impacted by transport bundling challenges

**9** — **The risk profile for data remains high, driven by:**
- Large numbers of defects to be resolved ahead of bulk entry
- Tight timelines for Delta load delivery plans
- High risk of data defects being encountered as part of the bulk load, with no agreed approach for resolution
- Holistic data quality will not be gained until post bulk load

**10** — **Progress on the development of the low level cutover plan** impacted by continued resource challenges and key outstanding dependencies

**11** — **Manual work arounds required due to CR deferrals need detailed assessment** to determine Op Model and training impacts.
**Training material quality gaps persist** and access to SME time is putting milestones significantly at risk

**12** — **Proactive monitoring of system error logs** is required in order to identify the potential need for additional business exceptions

# Hot Topic: Performance Testing

# UKLP Performance Test Update

## 17/05/2016

# Performance Test – Background

- Work stream start delayed due to upstream dependencies e.g. Data, Market Trials etc.

- In addition to this 2 non-performance related (i.e. infrastructure) defects further compromised plan.

- Following challenge and review (considering potential efficiencies, contingency options etc) revised PT plan now fundamentally agreed and being tracked against.

- Base-line progress to date:
    - UI screens – Complete against 500+ users for all custom screens (this is beyond stress levels)
    - CMS – Complete
    - BW – 100% executed, of which: 83% Pass; 4% Fail; 13% awaiting retest due to environment availability
    - ISU – 40% Pass; 20% Fail; 30% under review; 10% not started. AMT defect (principle blocker) has now been rectified.

- Hard stop date of 15th May on Production environment remained in order to ensure plan integrity of Data Bulk Load and Transition & Cutover activities – therefore we temporarily prioritised execution over validation, but are now mostly aligned

- Proposed move of remaining Performance Test activities (Baseline overflow, Stress and Endurance) from the Production Environment from 15/05/16 – internal approval given and ratification received from PMB

- Upgrade to alternative environment (to ensure Production comparability) progressing to plan - completion date remains on target for 30/05 – given above decision to move environments, PT activities will resume on 1st June

- 2 week period between environments availability will be utilised for this work, along with validation of testing carried out on Production to date, and any possible preparation and sanity checks on existing available components

- Sample of successful Production test cases will be re-run on new environment to validate comparability prior to continuation of baseline activities.

# Performance Test – Revised High Level Plan

| Performance Test in QAS1 High Level 1 Plan (v060516) | PT in Production | No PT Environment Available | | QAS1 Environment Available to PT | | | | | | | | | Gas Day Testing Period | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Week** | | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 |
| **Week Commencing (dd/mm)** | 09-May | 16-May | 23-May | 30-May | 06-Jun | 13-Jun | 20-Jun | 27-Jun | 04-Jul | 11-Jul | 18-Jul | 25-Jul | 01-Aug | 08-Aug | 15-Aug | 22-Aug | 29-Aug | 05-Sep | 12-Sep |
| **Performance Test - Activities in Production** | | | | | | | | | | | | | | | | | | | |
| **Baseline (on Prod)** | Exec | | | | | | | | | | | | | | | | | | |
| **Performance Test - Preparations for QAS1** | | | | | | | | | | | | | | | | | | | |
| **RPT Config and Prep** | | | | | | | | | | | | | | | | | | | |
| **AMT/EFT Config and Prep** | | | | | | | | | | | | | | | | | | | |
| **Control-M Smoke Test** | | | | | | | | | | | | | | | | | | | |
| **Targeted Integration Test** | | | | | | | | | | | | | | | | | | | |
| **Stress PT Prep** | | | | | | | | | | | | | | | | | | | |
| **Performance Test - Executions (BASELINE)** | | | | | | | | | | | | | | | | | | | |
| **Sample comparative runs** | | | | | | | | | | | | | | | | | | | |
| **Baseline residue** | | | | | Exec Cycle | | | | | | | | | | | | | | |
| **Performance Test - Executions (Stress Test)** | | | | | | | | | | | | | | | | | | | |
| **Cycle 1** | | | | | | | Cycle 1 | | | | | | | | | | | | |
| **Fix/Tune** | | | | | | | | Fix / Tune | | | | | | | | | | | |
| **Cycle 2** | | | | | | | | | Cycle 2 | | | | | | | | | | |
| **Performance Test - Executions (Endurance Test)** | | | | | | | | | | | | | | | | | | | |
| **Single Cycle / Close** | | | | | | | | | | | | Exec Cycle | Gas Day Testing | | | | | | |

# Market Trials Confidence of Batch Schedule

- Market Trials phase currently executes batch jobs automatically from the control-m batch schedule based on the proposed timings and settings for production go live.

- All alerting to the service management product suite is initiated and tickets are analysed and corrections have been made to the schedule, where appropriate.

- Although limited transactional volumes are being received compared to UK Link legacy production, the configuration of the batch schedule has been tested each day since 1st February 2016.

- Run time of Market Trials batch processes were not impacted by the Capacity Invoice execution run during Market Trials.

- Volumetrics:

  - 323 batch jobs identified on the Gas Day Schedule
  - 250 batch jobs have run successfully in Market Trials
  - 2 batch jobs have yet run (these are annual jobs)
  - 71 batch jobs are on hold (only 28 are daily jobs) – most refer to Invoicing and annual jobs

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# Testing transactions example – CNF file
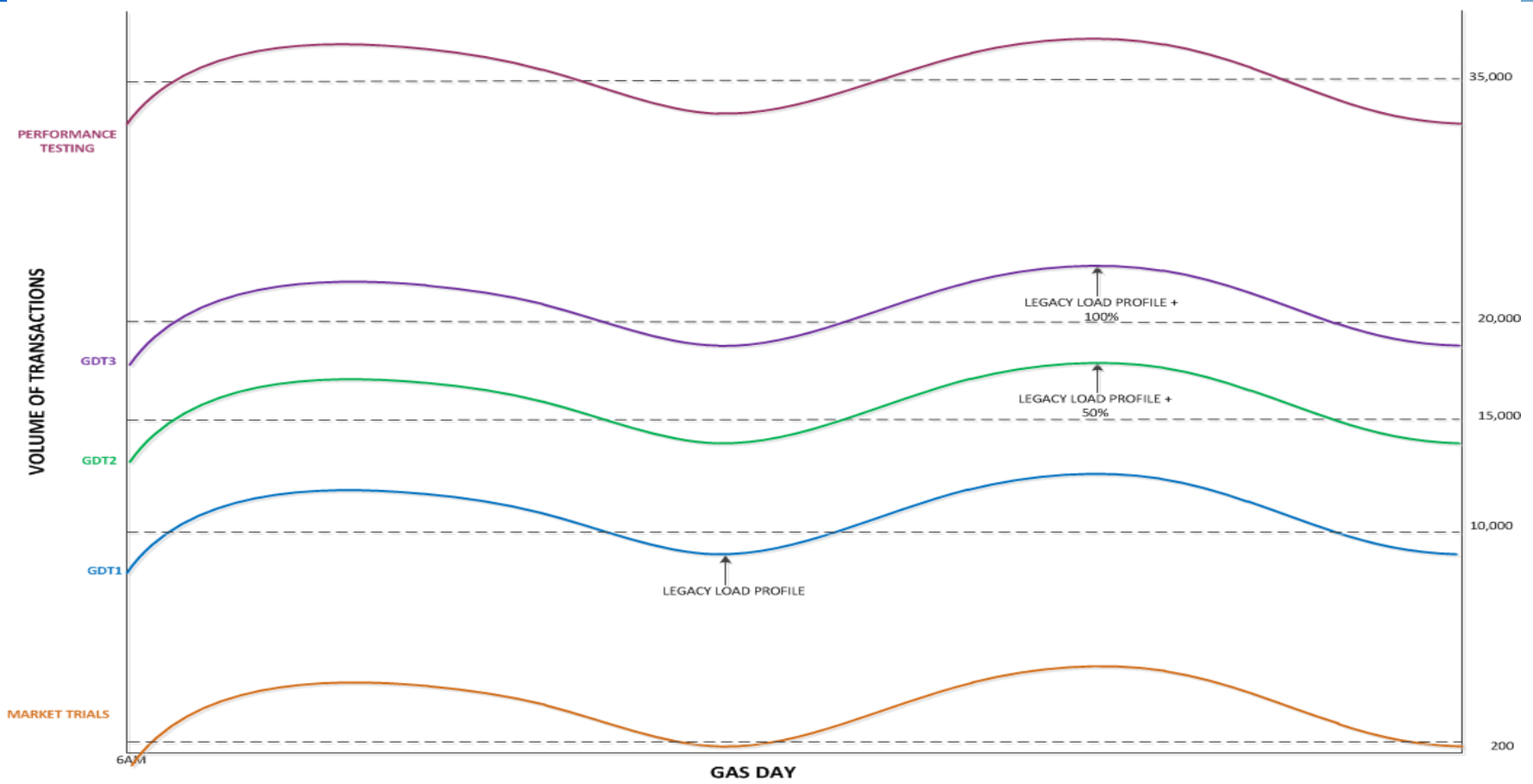
# Illustrative Performance Testing v Legacy working example – September 2015 volumes

| File Type | Average Legacy | Maximum Legacy | 2015 NED period | Estimated Timescales for processing |
|-----------|----------------|----------------|-----------------|--------------------------------------|
| CNF | 14,516 | 25,262 | 81,986 | 60 mins |

## **Highlights**

- TRF processing 21,054 transactions in 19 minutes
- Capacity Billing Invoice produced within the prescribed timescales in order to meet the existing legacy process.
- Performance Testing of UI screens have been successfully completed for over 500 concurrent online users without any degradation of performance.
- Integration of CMS has been successfully performance tested.

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# Performance Test – Key Messages

- Plan has been delayed from the original scheduled dates and continues to be challenging but remains high priority within the Programme

- Indication of good performance has already been gained through Market Trials and Confidence Testing – running off automated scheduler

- End of baseline (20/06) will demonstrate expected performance of business processes operating under load (albeit in isolation) – summary position will be shared at TPG (see below)

- Extrapolation of these results will support Transition design review

- Stress, Endurance and Gas Day Testing will then further validate this

- Initial findings are positive (e.g. Confirmations, UI, CMS etc)

- New environment has a more robust data set – which should further reduce defects

- Any exceptions will be addressed by the PT and Transition work streams to ensure integrity of batch design and Transition approach i.e. we will not be requesting changes to industry approach

- Summary reports can be shared via TPG at the end of each of the 3 phases in order to share progress: -

    - Baseline – w/c 20/06
    - Stress - TBC
    - Endurance - TBC

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# Hot Topic: Unique Sites Testing Update

# UNIQUE SITES & LPG UPDATE

# Detailed Functional Readiness

## *Core Unique Sites Processes (Pre-Invoice)*

| Process Area | Passed | % Passed | Planned Compl | Risk Area |
|---|---|---|---|---|
| Contract Change & SMP Update | 3 | 100% | N/A | |
| CSEP Creation & Maint. | 2 | 100% | N/A | |
| Gemini Update | 4 | 80% | 26/05 | Final step of one scenario planned for this Thursday |
| MPRN Batch Creation, SMP Creation & Amendment | 3 | 100% | N/A | |
| Read Estimation | 1 | 100% | N/A | |
| Read Upload | 5 | 56% | **31/05** | SSMP site read completed on 31/05 – looking at pulling these steps forwards. Low risk as DLC load proven elsewhere. |
| Registration Process (non-SSMP) | 28 | 97% | 26/05 | |
| Registration Process (SSMP) | 20 | 63% | **03/06** | Non-SSMP prioritised for execution. 1 NTS SSMP scenario overlapping to 03/06 (GCC file and Live) |
| RGMA (incl asset exchange / update) | 14 | 82% | 27/05 | 1 scenario behind schedule, but team looking to complete within the week. |
| Stakeholder Setup and Maint. | 2 | 100% | N/A | |
| Rejections | 63 | 88% | 30/05 | Execution/assurance being completed on final TCs this week. |
| Total | 145 | **83%** | | |

## *LPG Processes (Pre-Invoice)*

| Process Area | Passed | % Passed | Planned Compl | Risk Area |
|---|---|---|---|---|
| SPA Processes | 8 | 100% | N/A | |
| LPG RGMA | 4 | 100% | N/A | |
| LPG Reads and AQ | 2 | 67% | 27/05 | 1 step outstanding, but already in progress |
| Total | 14 | **93%** | | |

## *Regression Scenarios*

| Process Area | Passed | % Passed | Planned Compl | Risk Area |
|---|---|---|---|---|
| Regression | 56 | 76% | 27/05 | 5 failed RGMA TCs held up by defects, fix expected 25/05<br>2 failed SPA TCs held up by defects, fix expected by 25/05<br>Behind on a further 5 TCs, but expected to close by 30/05.<br>SME confidence high – mostly data issues slowing progress |

**Key: Testing Completion for 01/06:**

| |
|---|
| High Confidence |
| Limited Risk |
| At Risk |
| Will Not be Ready |

# Hot Topic: Overview of GONG approach

# Nexus

*Driving towards successful outcomes for consumers and the industry*

**What defines a Successful Go-Live for Project Nexus**

Project Nexus will be successful if it delivers a fit for purpose gas settlement solution which supports pan-industry requirements, is stable and sustainable and enables a positive consumer experience.

**1 Fit for purpose pan industry solution**

- Data quality and load
- UAT and Market Trials progress and completion
- Defect resolution
- Requirements traceabililty (including no outstanding functionality)
- Xoserve and Market Participant confidence
- Release plan and change management processes in place

**2 Stable**

- Performance sufficient to support industry volumes and file sizes
- Key operational windows are met – e.g. Gas Day testing
- Defect resolution
- Disaster recovery and continuity arrangements
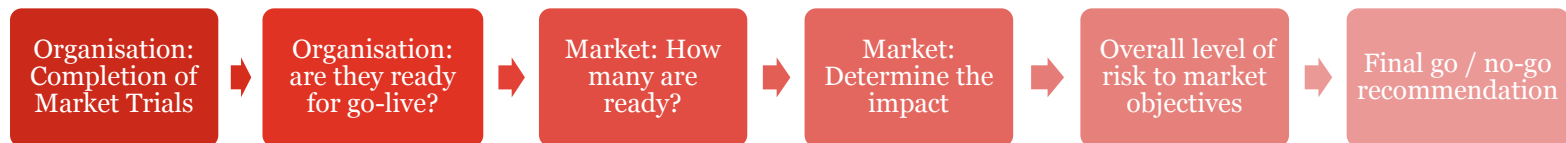- Dress rehearsals

**3 Sustainable**

- Documentation in place across Xoserve and Market Participants
- Knowledge transfer complete from programme to operational teams
- Xoserve hypercare and service management processes in place
- Industry change management processes in place
- Delta data load processes proven
- Ongoing data governance processes defined

**4 Enables a positive consumer experience**

- Key industry processes, e.g. change of supply, proven
- Market SLAs defined and achieved
- Training completion
- Market Participant feedback and complaints
- Xoserve service management processes in place
- Not in the media headlines
- Service and solution continuity

## 2. *Nexus Readiness Framework*

**The building blocks of market readiness for Project Nexus:**

| Organisation: Completion of Market Trials | ▶ | Organisation: are they ready for go-live? | ▶ | Market: How many are ready? | ▶ | Market: Determine the impact | ▶ | Overall level of risk to market objectives | ▶ | Final go / no-go recommendation |

In designing the framework, we have kept to the following **guiding principles**:

- **Streamlined** – the smallest number of criteria possible that cover the critical go-live activity that we believe are significant as a whole;

- A recognition that **system**, **people**, **process** and **data** need to work together to support a successful outcome to a major change such as Project Nexus and the UK Link Replacement Programme;

- Sharp focus on the **market critical processes** and the core objectives of Project Nexus;

- **Measurable** and demonstrable **criteria**, supporting an **evidence-based** assessment of readiness; and

- There is a clear **'glide path'** of activity in the run-up to a successful go-live.

# 3.   *Operation of the Readiness Framework*

- The GONG criteria will operate from *June 2016 – September 2016* and will be tracked through the **PwC Assurance Portal**.

- PwC will continue to conduct a **targeted assurance activity** around the GONG criteria information provided by Xoserve, shippers, iGTs and GTs.

- It is intended that there will be **three interim GONG assessments** prior to a final recommendation to the PNSG Group. This should allow early visibility of risks and issues and enable appropriate mitigation plans to be established.

- The proposed **GONG Self-Assessment timeline** is as follows:

| | Jun | | | | | Jul | | | | Aug | | | | Sep | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 01 | 06 | 13 | 20 | 27 | 04 | 11 | 18 | 25 | 01 | 08 | 15 | 22 | 29 | 05 | 12 | 19 | 26 |
| **GONG Self Assessment Stage Gates** | | | ▲ Launch GONG Criteria | ▲ GONG Assessment 1 | | | | | ▲ GONG Assessment 2 | | | | ▲ GONG Assessment 3 | | | | |
| **Final GONG Submission** | | | | | | | | | | | | | | ▲ GONG Final Submission | | | |
| **Final GONG Assessment** | | | | | | | | | | | | | | ▲ GONG Decision | | | |
| **Cutover Commences** | | | | | | | | | | | | | | → | | | |

## *4.* *GONG Criteria Overview*

### Summary of the GONG Criteria

This section aims to provide the integrated set of go/no-go ('GONG') readiness criteria which includes the completion of internal testing as well as Market Trials Level 2 and Level 3/4. This allows individual organisations to assess their readiness to go live. PwC will use this data to form a view on GONG readiness for presentation to the Project Nexus Steering Group. We expect that each organisation should use this framework to self-assess their readiness for go-live using the PwC Nexus Hub web portal.

**Table 1: Summary of the GONG Criteria**

| | Criteria | Assessment metric | Role | | Target Date* | Thresholds | | |
|---|---|---|---|---|---|---|---|---|
| | | | Xoserve | Participant | | Red (fail) | Amber | Green (pass) |
| ☐ | = Independently assessed as part of Market Trial Exit reports | | | | | | | |
| **1.1 Process** | | | | | | | | |
| 1.1.1 | Market critical processes as are 'ready' (defined below) • Manage Supply Meter Point Registration (facilitation of supply meter point transfers); • Manage Supply Meter Point Register (the update of data held against a register supply meter point); and • Record Supply Meter Point (MPRN Creation). | Output from Market Trials Level 3/4 exit report. | ✔ | ✔ | 31/07/2016 | Self-assessed as red in one or more of the Level 3/4 Trials exit criteria. This will be independently verified. | Self-assessed as Amber in one or more of the Level 3/4 Trials exit criteria. This will be independently verified. | Self-assessed as Green in all of the Level 3/4 Trials exit criteria. This will be independently verified. |
| 1.1.2 | A readiness assessment of non-market critical processes (C3) has been carried out to determine if the total number not ready pose a significant impact when aggregated. | Assessment of total number of C3 processes not available or not fully tested at Market Trials Exit. | ✔ | ✔ | 31/07/2016 | Assessment suggests volume of C3 processes not successfully tested could have a market impact. | Assessment suggests that C3 processes experiencing issues can be managed with a credible workaround | 100% complete |
| 1.1.3 | Ensure that an assessment of current solution and processes has been carried out to update and or finalise the requirements traceability matrix (RTM). | RTM fully updated and available for independent assurance. | ✔ | ✔ | 31/07/2016 | RTM has significant gaps, has not been updated or is not available | RTM not updated or has gaps however, there is a credible mitigation plan in place to | RTM updated |
| 1.1.4 | Where applicable end-to-end process guides and documents have been updated and communicated to the people operating the market critical processes. | % completion, communication and business acceptance of end to end process documentation. | | | | | | ete |

GONG Criteria – detailed guidance

The following section explains each category; **process, system, people and data,** including the criteria and the expected evidence required to demonstrate readiness.

**1.1 Process criteria**

Criteria 1.1.1 – Market Critical Processes are 'ready'

As previously defined, three market critical processes were agreed by the testing forum on the 17th March 2015.

- Manage supply meter point registration – the facilitation of supply meter point transfers;
- Manage supply meter point register – the update of data held against a register supply meter point; and
- Record supply meter point (MPRN creation).

The assessment of this criteria will be carried out as part of the Market Trials Level 3/4 Exit report. The independent assessment of each organisation's readiness will form part of the overall GONG recommendation.

Criteria 1.1.2 – Readiness assessment of non-market critical processes

Combined with the three market critical processes, it is recognised that if a significant number of other processes are not ready, the impact could still be significant. As a result it is recommended that as part of the GONG decision, a readiness assessment of non-market critical processes is carried out to determine if the total number not ready pose a significant impact when aggregated.

**Assessment Metric**

Project Nexus participants should be able to demonstrate that they have assessed the degree to which non-critical processes have successfully passed testing. This should consider whether the volume of processes that have not been successfully tested could result in a wider impact on the market as a whole.
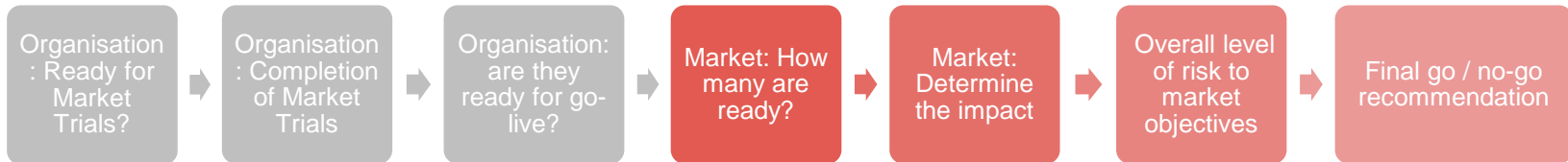
**Examples of appropriate supporting evidence**

The artefacts that would be expected to support this criteria will test completion reports relating to **Level 3** (process scenario) and **Level 4** (end-to-end change of ownership) market trial testing of the non-critical processes.

**Thresholds**

- Red (fail) - Assessment incomplete or suggests volume of non-critical processes not successfully tested could have a market impact;
- Amber - Assessment suggests that C3 processes experiencing issues can be managed with a credible workaround; and
- Green (pass) – All criteria evidenced as complete.

10

- **Criteria** – measureable standards that can be assessed when measuring the go-live readiness of an individual organisation;

- **Assessment metrics** – the specific measures associated with each criteria;

- **Evidence** – the specific artefacts or other evidence that would be expected to support the completion of any criteria;

- **Role applicable to** – defines the criteria applicable to each organisation;

- **Thresholds of readiness** – the requirements for each organisation to achieve in order to demonstrate readiness against the criteria;

- **Tracking progression to GONG decision** – defined thresholds for key gates in the lead up to final GONG decision.

# *5.*    *Aggregation Process for GONG Decision*

| Organisation: Ready for Market Trials? | → | Organisation: Completion of Market Trials | → | Organisation: are they ready for go-live? | → | Market: How many are ready? | → | Market: Determine the impact | → | Overall level of risk to market objectives | → | Final go / no-go recommendation |

**At the final PNSG GONG decision,** we expect to report the number of organisations that are in each of the three categories below:

> **Ready** – All go-live readiness criteria are met, green status achieved;
> **Ready with mitigating actions** – One or more go-live criteria missed, but appropriate mitigation is in place; and
> **Not ready** – One or more go-live criteria missed, appropriate mitigation is not in place.

### *Determine the impact:*

- Overlay up-to-date market data to determine market coverage in each readiness category.

- Consider how the organisations in each category are spread across market roles and the market shares of shippers.

### *Determine the risk to the market and final go / no-go recommendation*

- Using categorisation and analysing market coverage, provide the PNSG a view on organisational readiness and overall market coverage.

- Use market coverage to evaluate the commercial risk posed by the Nexus Go-Live.