

Project Nexus Delivery Group [PNDG] Status Report

01 November 2016

Covering the period: 14 Oct 16 – 27 Oct 16

ofgem

Agenda

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Minutes can be found on the **ofgem** website at:
<https://www.ofgem.gov.uk/gas/retail-market/market-review-and-reform/project-nexus>

Programme Status Report

Project Nexus: As @ 27 Oct 16

Sponsor: Jon Dixon

PMO: Melisa Findlay

End Date: 01 Jun 17

RAG Status	Solution Delivery	Market Trials	Data	Transition	GONG
Overall	↔	↓	↔	↔	Omitted from this report
Xoserve	↔	↔	↔	↔	
Baringa <small>(view of Xoserve)</small>	↔	↔	↔	↔	
Participants	N/A	↓	↔	↔	

Programme Status:

Programme Trend:

Since:

27 Oct 16

Significant risk to go-live - Immediate mitigation required |
 Increased risk to Go-live - Urgent 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

Project Nexus Programme Background: Project Nexus is the implementation of new business processes for gas settlement reform and single service provision for GT and iGT’s with the central system being delivered as part of Xoserve’s UK Link Programme. The programme involves participation from shippers, gas transporters, independent gas transporters and Xoserve. This report structures the programme into five workstreams: Project Delivery (Solutions and Services); Market Trials; Data (Migration and Cleansing); Transition; and GONG.

Overall RAG Commentary:

Against a new baseline plan of 01 Jun 17, the programme is assessed as Amber due of the pace of MT testing.

Solution Delivery: The Amber / Green rating is due to 2 residual defects arising from PT that will require additional testing activity (it is still believed that this can be accommodated within plan contingency). In addition, the timely delivery of CRs to support code stability remains on the critical path.

Market Trials: 5 of 26 Market Participants engaged in managed MT have now completed bringing the overall total completed to 11. However, progress through managed MT is behind plan with a number of participants plans now showing testing requested beyond 11 Nov 16. Critical activities such as invoicing and CR176/182 testing will be allowed to continue. All other remaining activity will be reviewed by Ofgem on a case-by-case basis.

Data: The Amber element of this workstream rating reflects continued risks to delta load and data cleanse and reconciliation activities.

Activities since last PNDG:

- Performance testing continues with the completion of TC 3.
- Managed MT activity.
- Post IDR1 activities and lessons learnt.
- Development of Transition communication products to aide go-live.

Remediation Action:

Solution Delivery: Gas day testing will commence as planned. An additional activity will be added to the POAP to cover the residual PT activities outstanding. These residual activities are expected to complete within the contingency period for SD1.1. CR delivery and code stability continues to be closely monitored with the process to get to code stability being developed by Xoserve in conjunction with input from Gazprom, SGN, First Utility and SSE.

Market Trials: As the list of test lines not likely to be completed by 11 Nov 16 crystallises analysis is being undertaken by PwC, Ofgem and Xoserve to enable a decision on the approach to be taken for each item. The decision will take account of market criticality, number of participants that have already completed testing and Xoserve support impacts. Participants should not assume that testing will be allowed to continue beyond 11 Nov 16 for anything other than invoicing and CR176/182 testing.

Data: Xoserve are continuing to prioritise defects for delta and are considering whether to invoke the 1 month contingency on D1.4 to allow another cycle of delta testing. Ways of working for iGT data reconciliation are agreed and tracking will be put in place to manage completion.

Upcoming activities:

- Continue with post IDR fixes and commence-Gas-day testing.
- Continue MT Exit assessment to validate participant completion of scenario testing.
- Conduct lessons learnt sessions in conjunction with Transition for IDR 1.
- Continue preparatory work for GONG assessment.

Solution Delivery Status Report

Project Nexus: As @ 27 Oct 16
Sponsor: Jon Dixon
PMO: Melisa Findlay
End Date: 01 Jun 17

RAG Status	Project Delivery
Overall	
Xoserve	
Baringa <small>(view of Xoserve)</small>	
Participants	N/A

Workstream Status:

Programme Trend:

Since: 27 Sep 16

Solution Delivery Background: The Solution Delivery Workstream covers Xoserve UK Link Programme Delivery - the development of the new UK Link solution including user acceptance testing and performance testing, and Service Operations - the design and implementation of Xoserve's new and revised service management arrangements. Service Operations includes the implementation of a new service management operating model, training in the new service management arrangements and the design and implementation of post implementation support (including hypercare) arrangements.

Overall RAG Commentary:
 Against a 01 June 17 go-live, Solution Delivery is assessed as Amber / Green due to:

- PT (PN1.0) stress testing execution is being closed as planned with 2 residual defects outstanding. Once analysis is complete, a further testing phase will be planned and this will be added to the POAP.
- CR delivery commenced on 03 Oct 16 and is tracking to plan. However, delivery risk remains due to pressure from MT extension and UAT E2E closure. Any delay will impact code stability for regression.

Achievements since last PNDG:

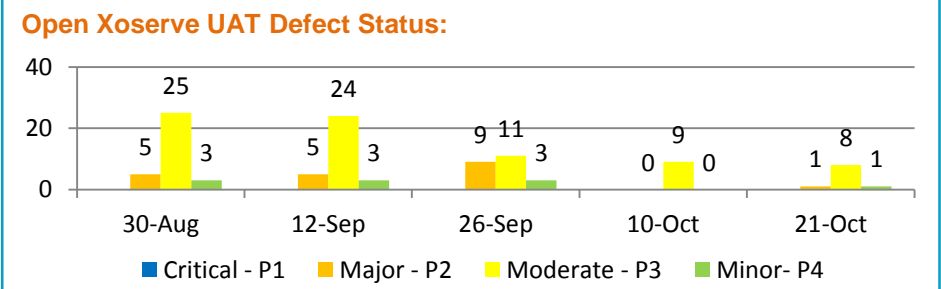
- Performance Test
 - Resolved TC2 defects yielded positive results; retest complete, Non Functional Requirements (NFRs) met.
 - TC3 complete, positive results seen.
- CR176 (Class 1 AMR device reads) deployment options being discussed.
- Functional and technical teams co-located to India to accelerate defect fixing.

Remediation Action:

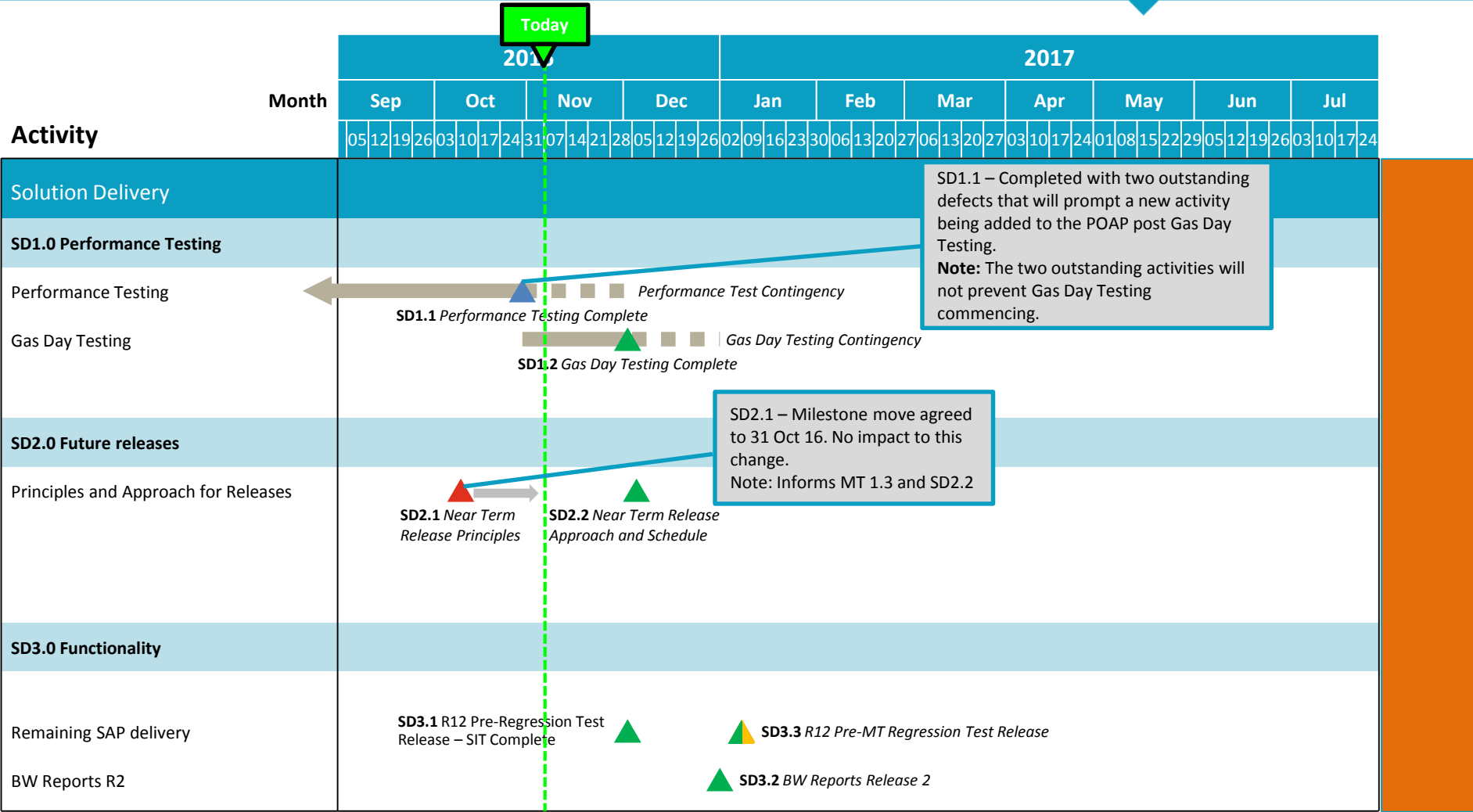
- Assessment of fix and test plan for any stress test defects remaining at closure will be developed and added to the POAP.
- CR delivery is being closely monitored to ensure delivery time table is achieved.
- Co-location / offshoring to drive the closeout of remaining reconciliation scenarios, in place and the team have made good progress over the last 2 weeks. We have dedicated resource and time up to 11 Nov 16 to close E2E defects.
- Target plan is to complete all testing by the 04 Nov 16, with a contingency week (for defect fixes and re-test) to the 11 Nov 16.

Upcoming activities:

- With TC3 execution complete, assess outstanding fix and retest activities against current delivery plan.
- Residual PT activities to be defined and included on the POAP.
- Preparation for Gas Day Testing.
- Near term release principles SO2.1 approved and due to be issued by 31 Oct 16.



Solution Delivery Plan



Milestone RAG Key:

- ▲ Industry Milestone
- Industry Activity
- Contingency
- ▲ Complete
- ▲ On Track
- ▲ On track but being closely monitored
- ▲ Milestone at risk: manageable with mitigation
- ▲ Increased risk to Milestone: Urgent mitigation required
- ▲ Significant risk to Milestone: Immediate mitigation required
- Slip/expected delay of milestone

Market Trials Status Report

Project Nexus: As @ 27 Oct 16

Sponsor: Jon Dixon

PMO: Melisa Findlay

End Date: 01 Jun 17

RAG Status	Market Trials
Overall	● ↓
Xoserve	● ↔
Baringa <small>view of Xoserve</small>	● ↔
Participants	● ↓

Workstream Status:



Programme Trend:



Since:

12 Oct 16

Market Trials Background:

The Market Trials Workstream monitors participant progress through the trials phase reporting fortnightly to the PNDG. The reporting includes progress metrics, defect analysis, risks and issue, and is provided by participant self-assessments on the Nexus Portal, enabling a Market wide view of progress and blockers. The MTWG is a cross programme working group supporting and agreeing changes to the MT approach. Additionally the MTWG is required to provide market input in to any risks or issues that are captured during the phase.

Overall RAG Commentary:

The Workstream is rated as Red/Amber against the 01 June 17 plan as a deteriorating trend has been observed for key confidence indicators related to completion of Managed MT by 11 Nov 16. These include the number of new defects being raised and a slippage in completion dates of some participant test plans. Mitigation plans include identifying the likely areas of functionality that will not be tested by 11 Nov 16 (e.g. Invoice Thick Files) and defining an approach to each of these items on a case-by-case basis.

Achievements since last PNDG:

- Tracking of Managed MT progress against individual participant baseline plans.
- 5 of 26 participants have completed Managed MT testing.
- Overall 11 participants have completed Market Trials.
- 25 participants provided a MT portal submission on 21 Oct 16.
- Key areas of functionality where MT is unlikely to complete by 11 Nov 16 have been identified and work has commenced to determine an appropriate course of action for these areas.

Remediation Action:

- PwC will continue to monitor progress against market participant agreed Managed MT test plans and facilitate issue resolution where possible.
- As the list of test lines not likely to be completed by 11 Nov 16 crystallises analysis is being undertaken by PwC, Ofgem and Xoserve. The decision will take account of market criticality, number of participants that have already completed testing and Xoserve support impacts. Participants should not assume that testing will be allowed to continue beyond 11 Nov 16 for anything other than invoicing and CR176 / 182 testing.

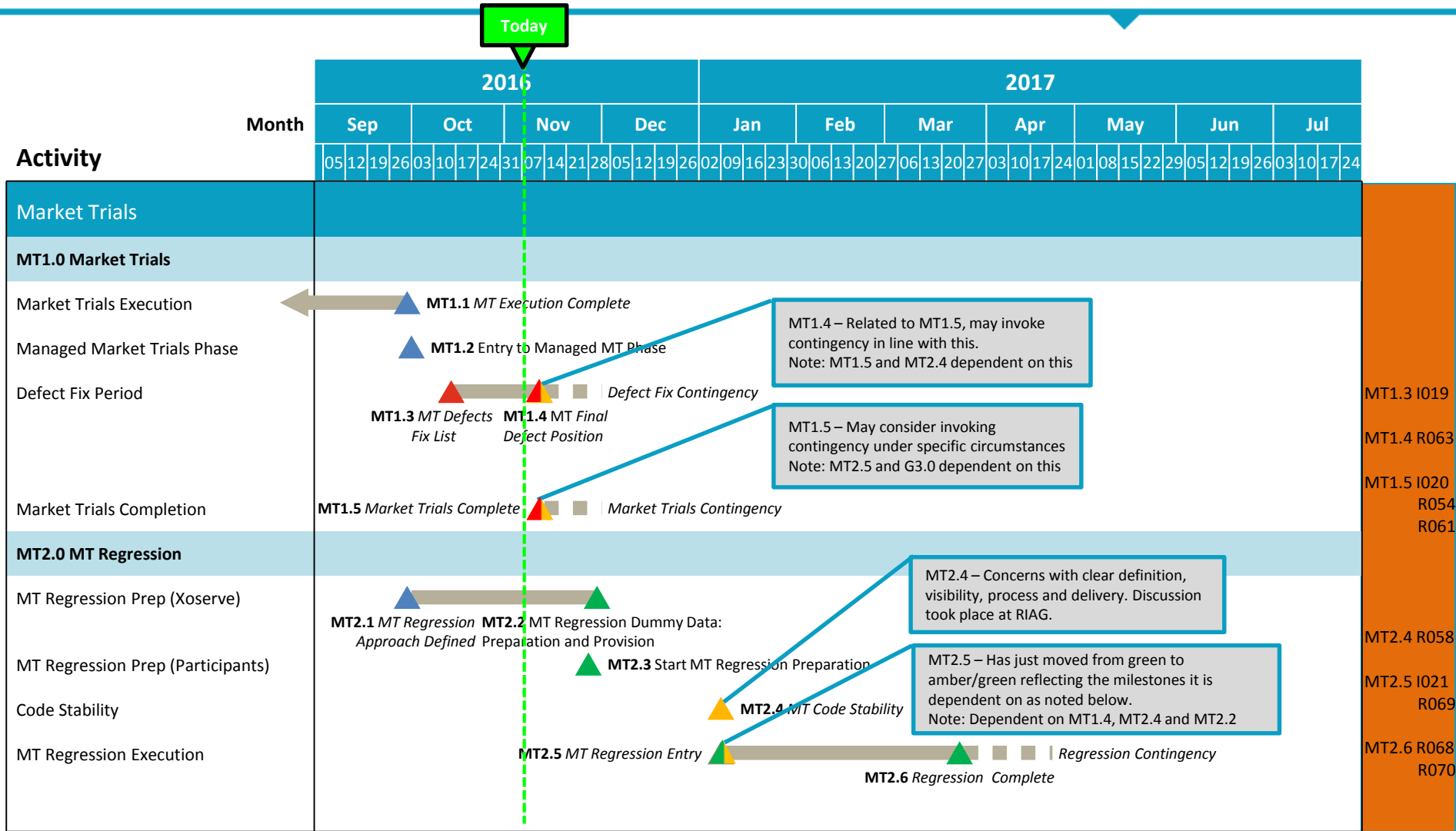
Upcoming activities:

- Continue Managed MT progress check points between PwC and Participants.
- Continue MT Exit assessment to validate participant completion of MT testing.
- Defect update call will be held on 28 Oct 16.

MTWG Key Messages:

- A communication will be sent by Xoserve to Shippers requesting them to inform Suppliers about testing of iGT RGMA files. This is to address the risk that not all shipper/iGT combinations have been tested during MT.

Market Trials Plan



- MT1.3 I019
- MT1.4 R063
- MT1.5 I020
R054
R061
- MT2.4 R058
- MT2.5 I021
R069
- MT2.6 R068
R070

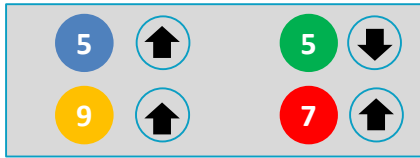
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Managed MT Phase Dashboard

Based on PwC interaction with participants during Managed MT Phase: As @ 26 October 2016

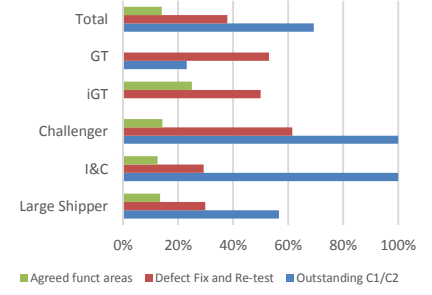
26 Part. MMT Portal RAG (@21 Oct)



- Forecast to complete beyond 11 Nov AND 15% or more behind baseline plan
- Forecast to complete beyond 11 Nov OR 15% or more behind baseline plan
- Forecast to complete by 11 Nov and within 15% of baseline plan
- Participants are complete (in addition to the 6 declared as complete prior to starting Managed MT).

↑ Improving Confidence ↓ Deteriorating Confidence ↔ No change

% Complete by Sector and Scope Area



Defect Position (@26 Oct)

Defects Raised with Xoserve	Xoserve % of invalid defects
Open 30 Sept	118
Opened since 30 Sept	78
Closed since 30 Sept	136
Open 21 Oct	60

52%

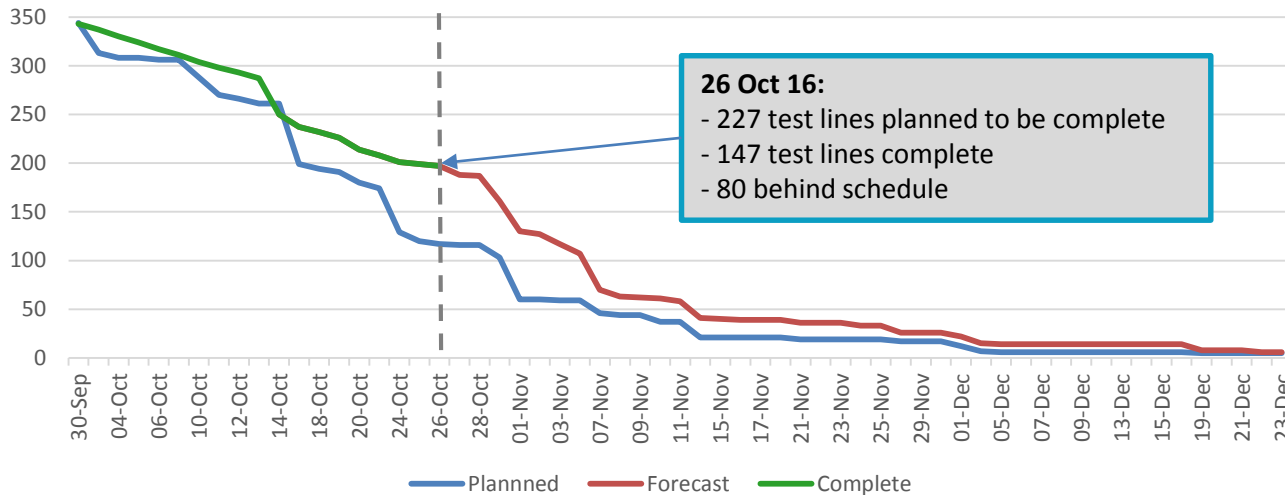
Managed MT Scope Summary

Category	Planned	Complete
TOTAL Test Lines	344	147
Outstanding C1/C2 Tests	114	79
Defect Fix and Re-test	159	58
Agreed Funct. Areas	71	10

Criteria	Desired outcome	Due Date	12 Oct	26 Oct	Comments
New defect rate	Sustained reduction in new defects raised rate.	Fortnightly	↑	↓	Since the last reporting period (12 October), 53 new defects have been raised signifying an increase in the rate of new defects. Note: This includes both valid and invalid defects and a higher number of invalid defects has been observed in Managed MT than prior to 30 Sept.
Defect closure rate	Increase or sustained performance on defect closure rate aligned to defect fix plan	Fortnightly	↑	↔	136 defects closed since 30 Sep 16.
RAG assessment	RAG assessment based on how data received in participant test plans maps to defined timelines for Managed MT.	Fortnightly	↑	↓	The number of participants with a 'Red' status has increased from 3 to 7 since the last period, which indicates a deteriorating trend. 11 participants (7 Red and 4 Amber) are currently not scheduled to complete by 11 November, which has increased from 7 since 19 October.
Managed MT Completion against plan	Participant Managed MT meetings with PwC show an increase or a sustained performance against planned completion dates.	Fortnightly	↔	↓	The market planned to have completed 227 test lines but only 147 have been completed (80 lines behind plan). The rate of progress matched the baseline plan between 14 October and 21 October but this has since diverged from the baseline plan.
Number of participants complete	Market Participants confirm that they have completed their MT plan and require no further support from Xoserve.	Fortnightly	↓	↓	5 of the Managed MT participants have now completed MT, which is 2 behind the baseline plan.

Managed MT Phase Burn Down

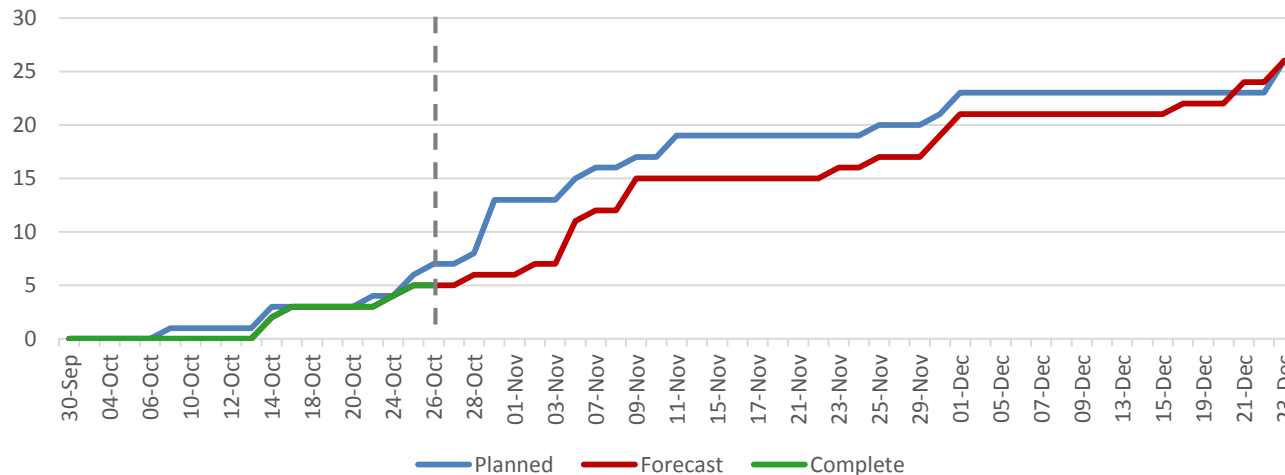
Test Line Burn Down as at 26 Oct 16



Commentary:



- The 'Test Line Burn Down' graph shows the burn down of test lines across the market. The blue line shows the original baseline plan as agreed with participants. The green line shows the number complete and the red the forecast (based on current expected completion dates of each line).
- The end of each week during the Managed MT phase is a key day for completion of tests. This is reflected in both the baseline plan but was observed in test line completion on 21 October.
- The 'Number of Managed MT Market Participants Complete' graph tracks when market participants are expected to complete managed MT.
- After a month into Managed MT, market participants' testing progress is tracking behind schedule. This is primarily due to new Xoserve defects, market participant internal defects or other testing challenges pushing out test completion dates.

Number of Managed MT Market Participants Complete



MT forecast post 11 Nov 16

MT test lines forecast to complete after 11 Nov 16 (as @21 Oct 16):

Functional area	Mandatory Scenario	Number of test lines	Number of participants blocked after 11 Nov 16		Range of forecast completion	New since 17 Oct 16
Shared Supply points (Unique Sites)	7.7	9	1*	Large Supplier 'A'	30 Nov to 16 Dec	
Invoicing (thick files)	16, 17, 18	15	6*	Large Supplier 'B' 'C' 'D' I&C 'A' 'B' Challenger 'A'	1 Dec to 23 Dec	
Annual AQ NRL	15	5	3*	Large Supplier 'E' I&C 'A' 'C'	1 Dec to 21 Dec	
iGT New Connection	3.4, 7.1	2	1	I&C 'D'	15 Nov to 25 Nov	
CR176 / CR182**	8.2, 8.5, 9, 10	3	2*	Large Supplier 'B' GT 'A'	21 Dec to 23 Dec	NEW
Twin stream site daily readings	9.9	1	1	Large Supplier 'A'	18 Nov	NEW
Meter Point Creation	27.1	1	1	Large Supplier 'A'	25 Nov	NEW
Total		36  (25 @17 Oct)	10	 (7 @17 Oct)		

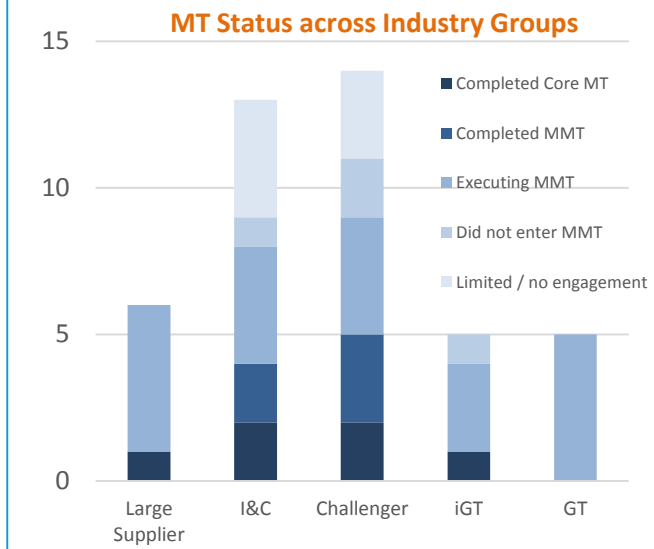
***Note:** other participants are also experiencing issues with this functional area but their forecast completion has not yet slipped beyond 11 Nov 16.

MT Exit Dashboard

Participant Picture across the market: As @ 21 October 2016

Overall MT Completion Status of 43 participants

Completed MT prior to 30-Sep execution date	6
1 Large Supplier 2 I&C 2 Challenger 1 iGT	
Completed during Managed MT	5
2 I&C 3 Challenger	
Currently testing in Managed MT	21
5 Large Supplier 4 I&C 4 Challenger 3 iGT 5 GT	
Did not enter Managed MT	4
1 I&C 2 Challenger 1 iGT	
Limited/no engagement in L3/L4 Market Trials	7
4 I&C 3 Challenger	



Commentary

- A dedicated PwC assurance team has started to review a sample of those exited participants, and a number of close-to-completion participants, as part of the MT Exit Assessment.
- The PwC Industry Engagement team continues to help drive managed MT.
- PwC and Ofgem continue to work together on understanding the position of those participants who have not entered Managed MT but have not declared themselves as complete and those who have not participated in Market Trials Level 3.

Market Trial Exit		Thresholds			Forecast RAG
Criteria	Key Assessment metrics	Red (fail)	Amber	Green (pass)	
Market critical processes All applicable C1/C2 scenarios have been executed and passed successfully	% completion of market trials test scenarios relating to C1/C2 scenarios.	Less than 100% complete	Less than 100% complete credible mitigation plan	100% complete	Yellow
Defects - There are no critical or high impact defects that are open and unresolved and other open defects do not cause a significant risk to go live.	Number of unresolved critical and high impact defects from market trials relating to C1/C2 scenarios.	1 or more critical or high defects	1 or more critical or high defects with credible mitigation plan	0 critical or high defects	Green
	Number of open medium and below defects relating to Market Trials	Significant number of non-critical or high defects impacting C1/2 processes	Minimal level of non-critical or high defects impacting critical processes which are understood and can be managed.	All open defects are cosmetic and will not affect critical processes.	Yellow
Workarounds – Any workarounds have been identified, documented and agreed to be sustainable.	Number and extent of workarounds identified during the test phase.	1 or more workarounds any one of which is not sustainable.	1 or more workarounds that are credible and sustainable.	0 workarounds required	Red

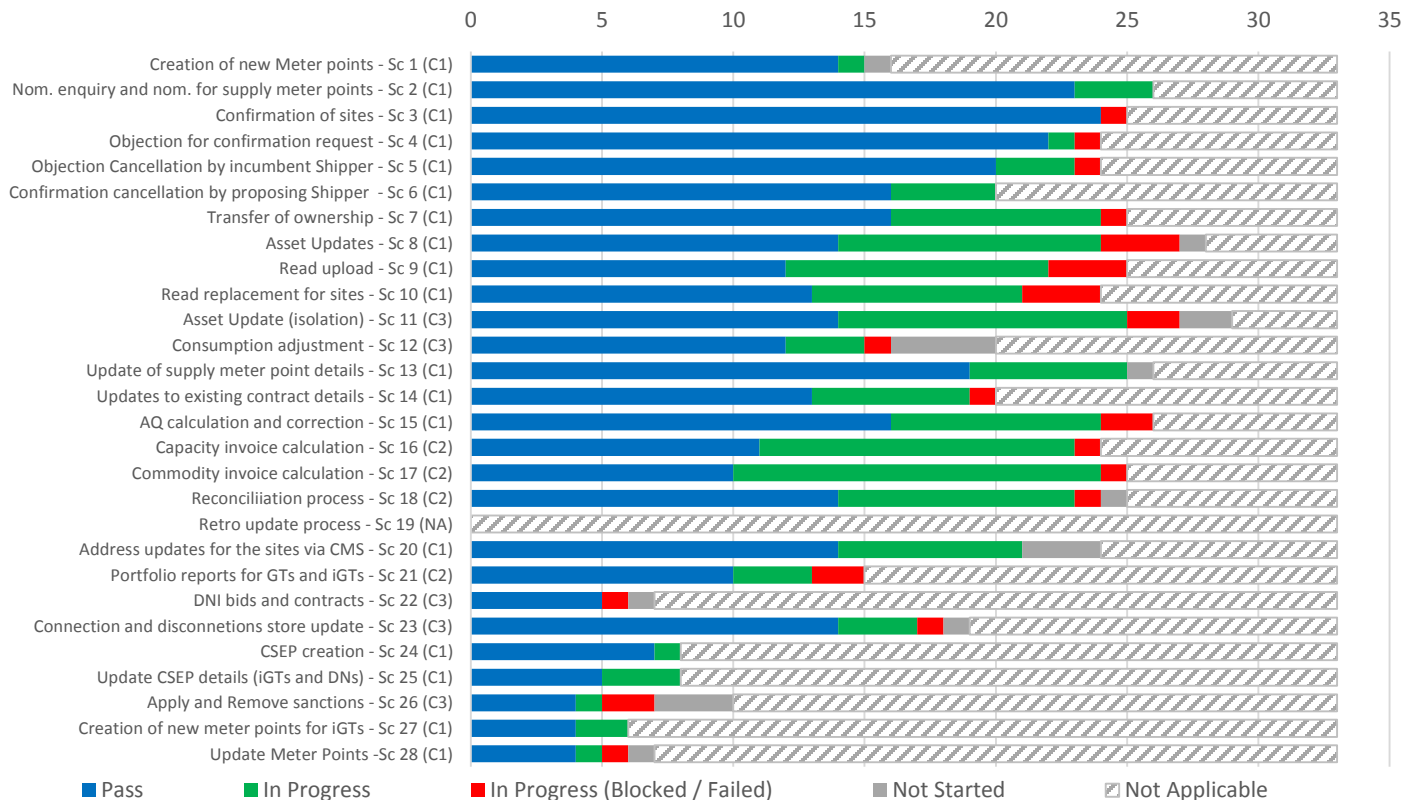
Overall Exit Outlook:

- The overall outlook against MT Exit is currently Red/Amber, in line with the overall MT workstream RAG.
- Managed Market Trials completion is running behind the baseline plan but plans are being worked through to close-out managed MT testing.
- The number of open defects has reduced since the beginning of the Managed MT phase, but the rate new defect rate has increased during the period.
- There are 2 participants rating themselves as Red concerning unsustainable workarounds as of the latest portal submission. Further investigation is being performed through the MT Exit Assessment.

MT Scenario Dashboard

Key Messages (updated 21 Oct 16):

- 18 Market Participants provided detailed scenario submissions for this reporting period, compared to 25 in the last period. 15 Market Participants data from previous submissions was incorporated to show scenarios which they had previously reported as 'Passed', 'In Progress', 'Not applicable' or 'Not Started'.
- 8 scenarios are not Blocked or Failed by any participants (up from 6 in the previous submission).
- 12 scenarios are Blocked or Failed for only one participant (up from 9 in the previous submission).



Note: Blocked refers to a scenario that cannot be progressed due to various factors e.g. blocking defects, partnering coordination, data quality issues.

Summary of Risks and Issues

#	ID	Description	Summary	Mkt Part.	Xoserve	PwC	Other	Rating
1	I019	Defect fix list cannot be finalised and may result in Xoserve being unable to fix the agreed remaining defects prior to MT Exit	3 ongoing actions			☒		15
2	I020	Some participants will not be able to complete testing by 11 Nov 16	1 ongoing action			☒		12
3	I021	Mkt Part. are not clear on the pipeline/content of all changes, remaining functionality or defect fixes to be released and tested	1 ongoing action		☒			12
4	R058	Risk that code stability will not be achieved	2 ongoing actions		☒		MTWG	12
5	R063	Final MT defect position does not meet MT Exit criteria and therefore MT cannot be exited as per planned timescales	2 ongoing actions	☒	☒	☒		12
6	R068	Pace of testing within MT regression does not allow for testing to be completed by the planned date of (MT2.6 - MT regression complete)	1 ongoing action				MTWG	12
7	R069	High number of defects during the MT Regression phase, may result in suspending the test phase.	2 ongoing actions				PNSG, MTWG	12
8	R070	A lack of understanding of businesses process may cause an increase in incorrectly raised defects / queries	1 ongoing action		☒			12
9	R054	iGTs will not be able to complete testing before the end of Market Trials due to an issue with portfolio reports	Proposing to close this risk					9
10	R059	Files/reports that have not undergone functional changes, but are produced by the new Xoserve SAP UK Link system will not be tested	Proposing to close this risk					9
11	R061	DMSPs may not be able to sign off mandatory scenarios 9 and 10 in market trials	1 ongoing action		☒		DMSP	9

RAG Rating Legend:



Significant risk / issue that requires urgent attention. Immediate escalation to governance group with recommended action plan. Control at source



Risk / Issue that requires swift resolution. Programme/project milestones, budget or quality are impacted but at edges of tolerance.



Medium risk / issue where we are comfortable that the concern is manageable and that the mitigations options being reviewed will address the problem




Risk / Issue that has a low impact on programme/project tolerances. These risks will be tracked





The # indicates the assessed impact added to the assessed likelihood to provide an overall category of risk from Insignificant / Sever through to Rare / Almost Certain. Further detail can be found within the RIAG governance.


Market Trials Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner	
I019: The defect fix list could not be finalised on 14 Oct 16 due to outstanding testing (completion of C1/C2 tests, re-test following defect fixes and testing of agreed functional areas) that still need to be performed in the remainder of the Managed MT phase. This could result in Xoserve not being able to fix the agreed remaining defects prior to the MT Exit milestone.	Market Trials <i>Milestone Affected:</i> MT1.3 Defects Fix List	 Current Rating: <i>Priority: (5)</i> <i>Impact: (3)</i>	11 Nov 16	1) A149: Monitor the number of new defects being raised through the Managed MT activity.	1) Ongoing.	1) PwC	
			11 Nov 16		2) A150: Review the Xoserve fix plan for new defects to identify defects that may not be fixed in time to re-test prior to MT completion.	2) Ongoing.	2) PwC
			11 Nov 16		3) A151: Assess defects that are unable to be fixed and re-tested to identify whether workarounds can be implemented or a forward fix plan is in place.	3) This action is ongoing and will be monitored and completed through the defect progress call.	3) PwC
					This was originally recorded as a risk in the PNDG pack under R062. However the risk has since been escalated into an issue, and the reference number and text has been updated accordingly.		



Market Trials Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner
I020: Some participants will not be able to complete testing by 11 Nov 16. This is because there are additional requirements for participants to build internal functionality following change decisions (e.g. DUC) or due to the timing of delivery of files (e.g. invoice thick files). In addition, other issues such as new defects being identified, delays to defect fixes and testing of functionality with enduring challenges may lead to delays.	Market Trials <i>Milestone Affected:</i> MT1.5 Market Trials Complete	 Current Rating: <i>Priority:</i> (4) <i>Impact:</i> (3)	11 Nov 16	1) A153: Through Managed MT activity analysis, identify areas where testing is likely to extend beyond 11 Nov to assess risk and impact on MT Completion.	1) Complete.	1) PwC
			11 Nov 16	2) A154: Ensure that Xoserve are kept appraised of areas where testing may extend in order that they can continue to assess support impacts.	2) PwC and Xoserve have regular meetings to review managed MT progress.	2) PwC
			11 Nov 16	 3) A171: Make a decision on the approach to be taken for each outstanding item and communicate to participants.	3) In progress. PwC, Xoserve and Ofgem are in discussion.	3) Ofgem


Market Trials Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner
IO21: Market participants are not clear on the pipeline and content of all changes, remaining functionality or defect fixes to be released and tested to achieve the MT Code Stability milestone. Due to a lack of clarity over changes, participants are unable to assess what changes they need to make on their systems prior to regression testing. This could result in organisations still making changes to their system during MT Regression.	Market Trials	 Current Rating: <i>Priority: (4)</i> <i>Impact: (3)</i>	03 Nov 16	1) A155: Xoserve are to publish file format baseline and have a session to build understanding.	1) In progress. The file format baseline has been published on the Xoserve website, under the Market Trials File Format Baselines tab. Please see link below for more info. http://bit.ly/2ekUJzh The session to build further understanding on the document will be held before the next RIAG session that takes place on 03 Nov 16. The due date has been updated accordingly.	1) Xoserve
	Milestone Affected: MT2.5 MT Regression Entry		20 Oct 16		2) A156: Governance around achieving code stability to be reviewed in RIAG on 20 Oct 16.	2) Complete. At the RIAG session, which took place on 20 Oct 16, PwC and Xoserve presented on the process for attaining and managing code stability. This was originally recorded as a risk in the PNDG pack under R067. However the risk has since been escalated into an issue, and the reference number and text has been updated accordingly.

Market Trials Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner
R058: Risk that code stability will not be achieved because a) the definition of code stability is yet defined, b) there may not be sufficient time to meet the definition.	Market Trials	 Current Rating: Likelihood: (3) Impact: (4)	16 Nov 16	1) A165: Propose a process for managing code stability once the MT code stability milestone is achieved. This will include the process for determining the defect fixes and changes that are allowed and, if they are allowed, how they will be deployed. MTWG to consider and propose a process to PNDG.	1) In progress. RIAG is reviewing an outline for this process. Once that review is complete this will be passed to MTWG and Xoserve to complete and operationalise.	1) MTWG/ Xoserve
	<i>Milestone Affected:</i> MT2.4 MT Code Stability	<p>The rag rating on this risk has been reduced from a 16 to 12 because actions have been completed, that reduced the likelihood of this risk occurring.</p>	27 Oct 16	 A170: Complete the definition of the process for attaining code stability, engaging with participants as appropriate and present to PNDG.	<p>Following discussions at RIAG and PNSG, actions A132 and A134 have been closed and new actions (A165 and A170) have been put in place to help control this risk.</p>	2) Xoserve



Market Trials Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner
R063: There is a risk that the final MT defect position does not meet MT Exit criteria and therefore MT cannot be exited as per planned timescales. This could be due to outstanding testing (e.g. I019), late identification of defects during the Managed MT phase; Xoserve being unable to fix all defects to plan; and/or workarounds not being identified for unresolved defects.	Market Trials <i>Milestone Affected:</i> MT1.4 MT Final Defect Position	 Current Rating: <i>Likelihood: (4)</i> <i>Impact: (3)</i>	11 Nov 16	1) A123: Undertake a review of P3 defects to identify any that do not need to be fixed for go-live and agree these with the market participants.	1) In progress. This action has to be done in conjunction with the industry and this will be agreed through the defect management process. As part of this process, the workaround process has been defined and agreed at MTWG. The due date has been moved to reflect the end of the managed Market Trials phase.	1) Xoserve, participants and PwC
			23 Sep 16	2) A131: Propose criteria and process for determining whether defects should be fixed or not.	2) Complete. Process has been defined and will be managed via the defect prioritisation process.	2) Xoserve and PwC
			Ongoing until 11 Nov 16	3) A152: Xoserve to develop a forward projection of the number of defects that will be fixed within the defect fix period.	3) Ongoing.	3) Xoserve


Market Trials Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner
<p>R068: The pace of testing within MT regression may not allow for testing to be completed by MT2.6. This could be due to:</p> <ol style="list-style-type: none"> 1) it not being possible to execute agreed scope within planned timescales 2) a high number of defects being identified during the phase 3) repeat of challenges encountered during full MT phase (e.g. identifying test data; partnering). 	<p>Market Trials</p> <p><i>Milestone Affected:</i> MT2.6 MT Regression Complete</p>	<p>12</p> <p>Current Rating:</p> <p><i>Likelihood: (3)</i> <i>Impact: (4)</i></p>	30 Nov 16	<p>1) A157: At the end of MT managed approach there is a need to review the approach to MT regression testing to consider how it should be managed (e.g. follow a similar approach to the Managed MT phase).</p>	1) In progress.	1) MTWG

Market Trials Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner
R069: A high number of defects are identified during the MT Regression phase, which results in a requirement to suspend the test phase.	Market Trials <i>Milestone Affected:</i> MT2.5 MT Regression Entry	 Current Rating: <i>Likelihood: (3)</i> <i>Impact: (4)</i>	11 Nov 16	1) A158: Ensure that programme adheres to a robust MT Exit assessment.	1) Ongoing.	1) PNSG
			30 Nov 16	2) A159: Review approach to monitor defect levels and resolution progress through MT regression.	2) In progress.	2) MTWG
			30 Nov 16	 A169: MTWG to develop a plan to manage a test suspension should a high number of defects occur in MT regression testing.		3) MTWG

Market Trials Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner
R070: There is a risk that a lack of understanding of businesses process causes an increase in the number of incorrectly raised defects / queries and an increase number of rejected defects during MT Regression. If participants do not have an appropriate understanding of business processes this could have an adverse impact on regression testing and operations post go live.	Market Trials <i>Milestone Affected:</i> MT2.6 MT Regression Complete	 Current Rating: <i>Likelihood: (3)</i> <i>Impact: (4)</i> The rag rating on this risk has been reduced from a 16 to 12 because actions have been completed, that reduced the likelihood of this risk occurring.	21 Oct 16	1) A160: Review GONG criteria to ensure that part of the assessment includes submitting evidence that participants have an adequate understanding of business processes. Also to consider whether specific processes that have been the subject of significant levels of queries and/or defect rejections should be called out.	1) Complete. This action has been completed and an updated GONG document will be issued as part of milestone G1.0 (detailed Gong criteria baselined) by 31 Oct 16.	1) PwC
			28 Oct 16	2) A161: Xoserve to provide analysis into the reasons that they reject defects and send to project managers and PM to discuss within their organisations.	2) In progress.	2) Xoserve

Market Trials Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner
<p>R054: There is a risk that iGTs will not be able to complete testing before the end of Market Trials. iGTs have shown slow progress in carrying out tests due to portfolio reports containing both inaccurate data and data gaps. This has a direct impact on both the market being able to fully sign off end-to-end Market Trials Mandatory Scenarios and iGT invoicing. iGTs are unable to exit Market Trials until confidence is provided that these problems have been resolved.</p>	<p>Market Trials</p> <p><i>Milestone Affected:</i> MT1.5 Market Trials Complete</p>	<p style="text-align: center;">9</p> <p>Current Rating: <i>Likelihood: (3)</i> <i>Impact: (3)</i></p>	09 Sep 16	<p>1) A145: Xoserve are to provide due dates for delivery of IQL files.</p>	<p>1) Complete. DDS reports were issued on 09 Sep 16, EQL & IQL reports were delivered on 12 Sep 16.</p> <p>All IDLs have now been issued and the process agreed with iGTs following the EUC allocation at 01 Oct 16.</p> <p>Propose to close as this action has been complete. The risk that iGTs may not be able to complete market trials on time is captured under the wider issue I020.</p>	<p>1) Xoserve</p>

Market Trials Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner
<p>R059: Risk that files and reports that have not undergone functional changes, but are produced by the new Xoserve SAP UK Link system (rather than the legacy link system) will not be tested. An example of this is the CMP file. This is because these files and process may not have been fully tested in Market Trials. In addition, legacy systems that will remain (e.g. CMS) may have been changed as a result of implementing the new Xoserve UK link system but are not being tested at an industry level (reliant on Xoserve UAT / regression). This could result in processes or files having inaccurate data or not flowing correctly post go live.</p>	<p>Market Trials</p> <p><i>Milestone Affected:</i> T3.3 Project Nexus Implementation Date</p>	<p style="text-align: center;">9</p> <p>Current Rating: <i>Likelihood: (3)</i> <i>Impact: (3)</i></p>	<p>Overdue</p>	<p>1) A138:Xoserve to: i) Confirm the final list of files and reports unchanged by Nexus. In addition, indicate which are platform independent (CMS) and which are unchanged but now part of the SAP ISU solution. ii) Demonstrate the level of internal testing carried out, or planned to be carried out on these files and reports. iii) Share the above analysis with all participants to review and determine if they need to include in their MT Regression plans. Where participants do want to include files/reports in MT regression plans they need to provide a rationale as part of their entry submission.</p>	<p>1) Xoserve have completed part i) of this action. Although this risk was discussed at MTWG on 26 Oct 16, participants are still awaiting part ii) of this action. This action will remain open until it has been received and the remaining analysis can be completed.</p>	<p>1) Xoserve</p>

Market Trials Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner
<p>R061: Risk that DMSPs may not be able to sign off mandatory scenarios 9 and 10 in market trials, because CR176 [R11 – 31/08/16 UKLP IADBI176] will not be deployed. If participants are unable to complete these mandatory scenarios then they will not meet the exit criteria for market trials. This could have a knock-on impact the MT regression if the functionality is being tested then for the first time.</p>	<p>Market Trials</p> <p><i>Milestone Affected:</i> MT1.5 Market Trials Complete</p>	<p style="text-align: center;">9</p> <p>Current Rating: <i>Likelihood: (3)</i> <i>Impact: (3)</i></p>	25 Nov 16	<p>1) A147:Xoserve to define the delivery options for CR176 and DMSP will assess the impact of the delivery options against the MT delivery phases in the new industry plan.</p>	<p>1) This is targeted to be implemented prior to MT Regression testing however, it is unlikely that participants will have time to test the change in Managed Market Trials. Xoserve and the DMSP are discussing options for de-risking MT Regression which includes the possibility of witness testing.</p>	<p>1) Xoserve and DMSP</p>

Market Trials - Action Log

Action #	Action	Progress	Owner	Status	Due	Forum
A123	Undertake a review of P3 defects to identify any that do not need to be fixed for go-live. Agree these with Market Participants.	<p>In progress. This action has to be done in conjunction with the industry and this will be agreed through the defect management process.</p> <p>As part of this process, the workaround process has been defined and agreed at MTWG.</p> <p>The due date has been moved to reflect the end of the managed Market Trials phase.</p>	Xoserve, PwC and market participants		31 Aug 16 → 23 Sept 16 → 14 Oct 16 → 11 Nov 16	Market Trial Problem Solving Session
A132	Xoserve to a) define what is meant by code stability b) Propose a time table for attaining code stability and c) Have these reviewed by PNDG.	At the PNDG on 05 Oct 16, slides were presented on the code stability definition and timeline. There are two follow-up actions (A165 and A170) that will define and operationalise the processes for attaining and then managing code stability.	Xoserve		01 Sept 16 → 20 Sep 16 → 05 Oct 16	PMO
A134	RIAG are to develop a process map and accountability matrix to define how code stability will be managed. This will be submitted to PNDG for agreement of the end to end process.	At the RIAG session, which took place on 20 Oct 16, two process maps were presented (one for attaining and one for managing code stability). The attaining map will be taken forward by an Xoserve/RIAG working group (new action A170) and the managing map by Xoserve/MTWG (action A165). Once this is complete it will be presented to PNDG. This action is now complete.	RIAG		31 Aug 16 → 14 Sep 16 → 12 Oct 16 → 27 Oct 16	PNDG
A138	Xoserve to i) Confirm the final list of files and reports unchanged by Nexus. In addition indicate which are platform independent (CMS) and which are unchanged but now part of the SAP ISU solution. ii) Demonstrate the level of internal testing carried out, or planned to be carried out on these files and reports. iii) Share the above analysis with all participants to review and determine if they need to include in their MT Regression plans. Where participants do want to include files/reports in MT regression plans they need to provide a rationale as part of their entry submission.	Xoserve have completed part i) of this action. Although this risk was discussed at MTWG on 26 Oct 16, participants are still awaiting part ii) of this action. This action will remain open until it has been received.	Xoserve		26 Sep 16 → 28 Sep 16 → 05 Oct 16 → 14 Oct 16 → 26 Oct 16	MTWG

Market Trials - Action Log

Action #	Action	Progress	Owner	Status	Due	Forum																																										
A142	Identify delivery due dates for June, July, August and September invoice thick files.	Please see delivery dates below. This action is now complete.	Xoserve		09 Sep 16 → 18 Oct 16	PNDG																																										
							<table border="1"> <thead> <tr> <th rowspan="2">Billing Month</th> <th colspan="2">Capacity Files (CZI)</th> <th colspan="2">Commodity Files (COI)</th> <th colspan="2">Rec/Amendment Files (AML)</th> </tr> <tr> <th>Invoice Date</th> <th>CZI Send Date</th> <th>Invoice Date</th> <th>COI Send Date</th> <th>Invoice Date</th> <th>AML Send Date</th> </tr> </thead> <tbody> <tr> <td>Jun 16</td> <td>Sent</td> <td>10 Sep (delivered on time)</td> <td>Sent</td> <td>17 Sep (delivered on 10 Sep)</td> <td>Sent</td> <td>26 - 30 Sep</td> </tr> <tr> <td>Jul 16</td> <td>Sent</td> <td>24 Sep (delivered on 17 Sep)</td> <td>Sent</td> <td>01 Oct (delivered on 18 Sep)</td> <td>Sent</td> <td>14 Oct</td> </tr> <tr> <td>Aug 16</td> <td>06 Sep</td> <td>08 Oct</td> <td>Sent</td> <td>09 Oct</td> <td>Sent</td> <td>05 Nov</td> </tr> <tr> <td>Sep 16</td> <td>06 Oct</td> <td>15 Oct</td> <td>Sent</td> <td>22 Oct 16</td> <td>26 Oct</td> <td>19 Nov</td> </tr> </tbody> </table>	Billing Month	Capacity Files (CZI)		Commodity Files (COI)		Rec/Amendment Files (AML)		Invoice Date	CZI Send Date	Invoice Date	COI Send Date	Invoice Date	AML Send Date	Jun 16	Sent	10 Sep (delivered on time)	Sent	17 Sep (delivered on 10 Sep)	Sent	26 - 30 Sep	Jul 16	Sent	24 Sep (delivered on 17 Sep)	Sent	01 Oct (delivered on 18 Sep)	Sent	14 Oct	Aug 16	06 Sep	08 Oct	Sent	09 Oct	Sent	05 Nov	Sep 16	06 Oct	15 Oct	Sent	22 Oct 16	26 Oct	19 Nov
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Sep 16	06 Oct	15 Oct	Sent	22 Oct 16	26 Oct	19 Nov																																										
A144	Once Xoserve provide due dates for the delivery of August and September thick files for invoices (A142), MTWG are to analyse this and confirm if the due dates are appropriate.	Complete. Xoserve have provided dates that they will deliver these files. Some dates are after the 11 November when Managed MT is due to complete. Xoserve have committed to supporting further testing of these files outside of managed MT.	MTWG		23 Sep 16 → 21 Oct 16 → 26 Oct 16	PNDG																																										

Market Trials - Action Log

Action #	Action	Progress	Owner	Status	Due	Forum
A146	Xoserve to explore whether the IDL approach can be duplicated in production post go live in the event of suspended operation e.g. following an incident.	<p>Xoserve and iGTs had a call on 21 Oct 16 to discuss whether it would be possible to stop and start IDL generation during Market Trials to ensure the manual workaround enacted by the Market Trials following iGT request team could be duplicated. Xoserve has confirmed that it would not be possible to do this again during market trials, but they have agreed to explore whether the IDL approach can be duplicated in production post go live in the event of suspended operation e.g. following an incident.</p> <p>The wording for Action A146 has been updated accordingly.</p>	Xoserve		20 Sep 16 → 30 Sep 16 → 21 Oct 16 → 04 Oct 16	PNDG
A147	Xoserve to define the delivery options for CR176 and DMSP will assess the impact of the delivery options against the MT delivery phases in the new industry plan.	This is targeted to be implemented prior to MT Regression testing however, it is unlikely that participants will have time to test the change in Managed Market Trials. Xoserve and the DMSPs are discussing options for de-risking MT Regression which includes the possibility of witness testing.	Xoserve and DMSP		25 Nov 16	MTWG
A149	Monitor the number of new defects being raised through the Managed MT activity.	Ongoing.	PwC		11 Nov 16	RIAG
A150	Review the Xoserve fix plan for new defects to identify defects that may not be fixed in time to re-test prior to MT completion.	Ongoing.	PwC		11 Nov 16	RIAG
A151	Assess defects that are unable to be fixed and re-tested to identify whether workarounds can be implemented or a forward fix plan is in place.	This action is ongoing and will be monitored and completed through the defect progress call.	PwC		11 Nov 16	RIAG
A152	Xoserve to develop a forward projection of the number of defects that will be fixed within the defect fix period.	Ongoing.	Xoserve		Ongoing until 11 Nov 16	RIAG







Market Trials - Action Log

Action #	Action	Progress	Owner	Status	Due	Forum
A153	Through Managed MT activity analyse areas where testing is likely to extend beyond 11 Nov to assess risk and impact on MT Completion.	This action has been completed.	PwC		11 Nov 16	RIAG
A154	Ensure that Xoserve are kept appraised of areas where testing may extend in order that they can continue to assess support impacts.	PwC and Xoserve have regular meetings to review managed MT progress.	PwC		11 Nov 16	RIAG
A155	Xoserve are to publish file format baseline and have a session to build understanding.	<p>The file format baseline has been published on the Xoserve website, under the Market Trials File Format Baselines tab. Please see link below for more info.</p> <p>http://bit.ly/2ekUZzh</p> <p>The session to build further understanding on the document will be held before the next RIAG session that takes place on 03 Nov 16. The due date has been updated accordingly.</p>	Xoserve		20 Oct 16 → 03 Nov 16	RIAG
A156	Governance around achieving code stability to be reviewed in RIAG on 20 Oct 16.	Complete. At the RIAG session, which took place on 20 Oct 16, PwC and Xoserve presented on the process for attaining and managing code stability.	RIAG		20 Oct 16	RIAG
A157	At the end of MT managed approach there is a need to review the approach to MT regression testing to consider how the phase should be managed (e.g., follow a similar approach to the Managed MT phase).	In progress.	MTWG		30 Nov 16	RIAG
A158	Ensure that programme adheres to a robust MT Exit assessment.	Ongoing.	PNSG		11 Nov 16	RIAG
A159	Review approach to monitor defect levels and resolution progress through MT regression.	In progress.	MTWG		30 Nov 16	RIAG

Market Trials - Action Log

Action #	Action	Progress	Owner	Status	Due	Forum
A160	Review GONG criteria to ensure that part of the assessment includes submitting evidence that participants have an adequate understanding of business processes. Also to consider whether specific processes that have been the subject of significant levels of queries and/or defect rejections should be called out.	This action has been completed and an updated GONG document will be issued as part of milestone G1.0 (detailed Gong criteria baselined) by 31 Oct 16.	PwC		21 Oct 16	RIAG
A161	Xoserve to provide analysis into the reasons that they reject defects and send to project managers and PM to discuss within their organisations.	In progress.	Xoserve		28 Oct 16	RIAG
A165	Propose a process for managing code stability once the MT code stability milestone is achieved. This will include the process for determining the defect fixes and changes that are allowed and, if they are allowed, how they will be deployed. MTWG to consider and propose a process to PNDG.	In progress. RIAG is reviewing an outline for this process. Once that review is complete this will be passed to MTWG and Xoserve to complete and operationalise.	MTWG/ Xoserve		12 Oct 16 → 16 Nov 16	PNSG
A168	Circulate the GONG Criteria and associated evidence to PNSG members.	GONG criteria was circulated on 17 Oct 16 through the GONG evidence questionnaire on the portal.	PwC		14 Oct 16	PNSG
A169	MTWG to develop a plan to manage a test suspension should a high number of defects occur in MT regression testing.		MTWG		30 Nov 16	PNDG
A170	Complete the definition of the process for attaining code stability, engaging with participants as appropriate and present to PNDG.		Xoserve		TBC	RIAG
A171	Make a decision on the approach to be taken for each outstanding item and communicate to participants.	In progress. PwC, Xoserve and Ofgem are in discussion.	Ofgem		11 Nov 16	RIAG

Data Status Report

<p>Project Nexus: As @ 27 Oct 16</p> <p>Sponsor: Jon Dixon</p> <p>PMO: Melisa Findlay</p> <p>End Date: 01 Jun 17</p>	RAG Status	Market Trials	<p>Workstream Status: </p> <p>Programme Trend: </p> <p>Since: 27 Sep 16</p>
	Overall		
	Xoserve		
	Baringa <small>view of Xoserve</small>		
	Participants		

Data Background: The Data Workstream is focussed on delivering the management and execution of robust data sourcing, mapping, transfer, reconciliation and validation activities required to cleanse and migrate data to the new SAP solution. Rigorous tried and tested processes and methods are required across all areas in order to underpin and deliver a successful migration solution.

Overall RAG Commentary: The Data workstream is rated as Amber / Green against the 01 Jun 17 delivery plan. The Green element is driven by completion of all Data Elements within IDR1 and also that market engagement on data cleanse and reconciliation has improved.

The Amber element reflects a number of Data defects for Delta and iGT data loads that still require enduring Data 'Fix and Prove' cycles outside of IDR cycles, In-flight Data testing and some parallelism particularly in October/November 2016. There are also concerns over participants data cleanse and reconciliation activities.

Achievements since last PNDG:

The following activities were completed in line with the published Delivery plan:

- Better than expected Delta defects fix and success rate results were achieved within IDR1 putting Delta cycles in a strong position to successfully complete test runs and achieve solution stability. Delta Test Cycle 3 has commenced its ETL cycle and is expected to resolve more Delta defects in line with forecast.
- Pre Bulk 2 cycle has commenced its cycle run with Extract underway (D1.7).
- Revised Data Dashboard for DMG and PNDG reporting published at DMG and was well received by participants on 20 Oct 16.

Remediation Action:

- Root cause analysis of Bulk, Delta & iGT Defects with Offshore trip by Xoserve SMEs has resulted in improved fix confidence to lead into Pre Bulk 2 and-Delta Test cycles defect resolution.
- The Data replan incorporates additional Test cycles for iGT and Delta loads.
- Implement the iGT ways of working for full reconciliation of iGT Data.

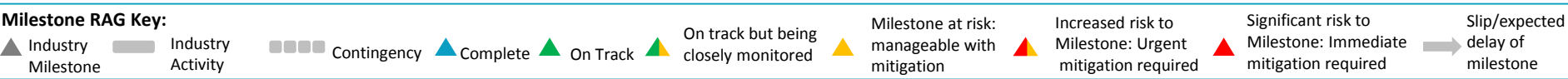
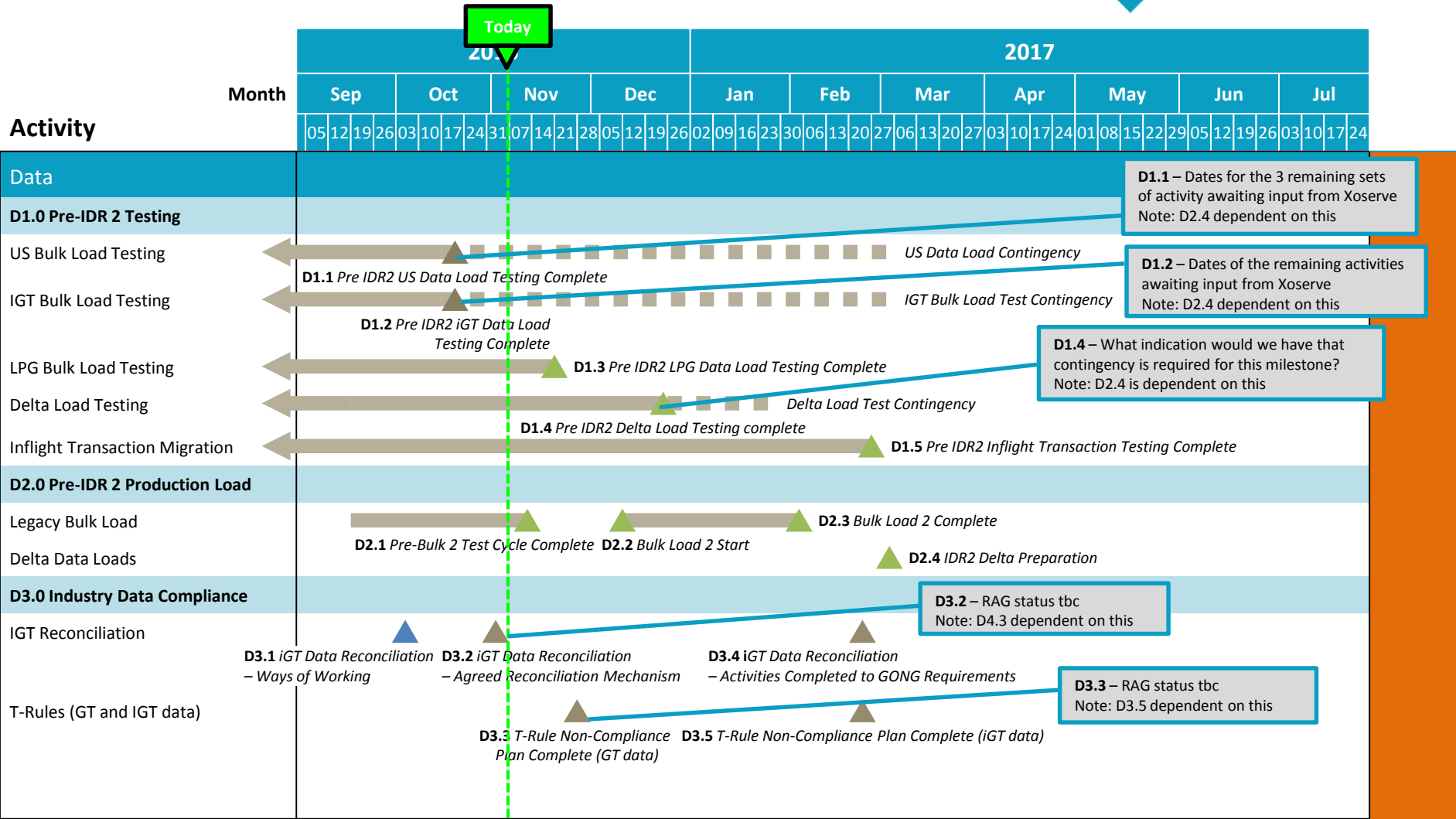
Upcoming activities:

- Lessons Learnt sessions in conjunction with Transition for IDR 1.
- Further In-flight transaction variants for GT/iGT /US to undergo testing and defect resolution.

DMG Key Messages:

- Data compliance issues are not seen as showstoppers by participants.
- Concerted effort is still required to demonstrate completeness of population and resolve differences in the portfolios between Shippers, iGT's and Xoserve.

Data Workstream Plan



Data Workstream Dashboard

Summary of Current Workstream Plan Activities:

Data Source	Current Cycle	Plan Perf.	Quality RAG	Progress		Action
Delta (D1.4)	IDR1 (complete) Delta TC3 (started)	G	G	Successful Delta Runs within IDR1 proving Performance and better than forecast quality. <ul style="list-style-type: none"> Plan: Performance timings for Delta 1,2,3 were largely to plan with cycles performing to IDR1 timings. Issues: Issues encountered were with File transfer for Delta 2 and 3 which resulted in overall slippage of 2 days to the plan. Quality: IDR1 quality was accepted to be inclusive of "Open" Delta defects as of 19 Sep 16. All business validation checks were completed. Quality Parameters exceeded IDR1 targets by fixing more defects and achieving higher fix success rate than forecast (see att slide). Fallout was encountered and is being resolved as part of next Delta Text Cycle (TC3) 		<ol style="list-style-type: none"> Data plan being updated with lessons learnt and checks within future plans to avoid file issues encountered. Further Test cycles to continue to build the success of IDR1 to incrementally improve & fix the remainder of X73 Open defects as of 19 Oct 16 (Delta TC3,TC4)
				Data Defects Landscape	Fallout from cycle	
				Green for Cycle	98.8% success rate for 19.23m data items loaded as part of Delta 1,2,3	
iGT (D1.2)	IDR1 (complete)	A	A	iGT performance and quality to be further proven post IDR1. <ul style="list-style-type: none"> Plan: Performance timings for iGT were longer than expected Issues: Issues were related to importing files, contingency steps have been put in place to avoid repeat of issue in future cycles. Quality: Quality of iGT fixes was lower than the target, a number of defects remain open post IDR1 and will be tested in further planned cycles prior to iDR2. All business validation checks were completed. 		<ol style="list-style-type: none"> iGT Performance tuning being undertaken iGT Test cycle for resolving remainder of the X40 "Open" defects as of 19 Oct 16 (iGT TC4) before IDR2 Offshore visit for "Root Cause analysis" is being undertaken with Xoserve SMEs
				Data Defects Landscape	Fallout from cycle	
				Amber for Cycle	99.8% success rate for 35.62m data items loaded	
Pre-Bulk (D2.1)	Pre Bulk 2 (started)	G	G	Bulk Defects and quality to be further proven pre Bulk 2. <ul style="list-style-type: none"> Plan: Plan tracking to complete ETL and defect validation as per milestone. Issues: IDR 1 focus has resulted in extended cycle for defect fixes (mitigated) Quality: Pre Bulk Cycle targets a number of defects that remain open post Bulk 1 and will be tested in this cycle prior to Bulk 2. All business validation checks will be undertaken prior to Bulk. There is a risk that Auto validation runs may uncover some more defects that need to be resolved in cycle before Bulk 2. 		None
				Data Defects Landscape	Fallout from cycle	
				TBC	TBC	

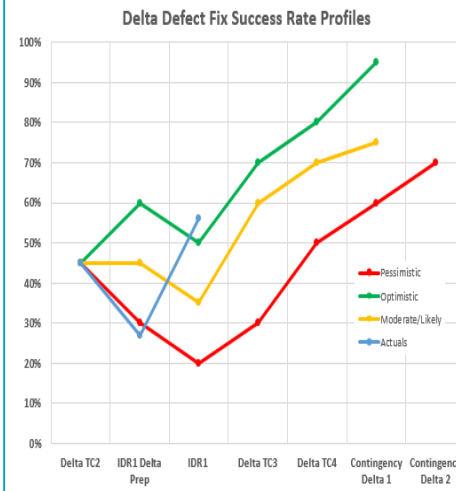
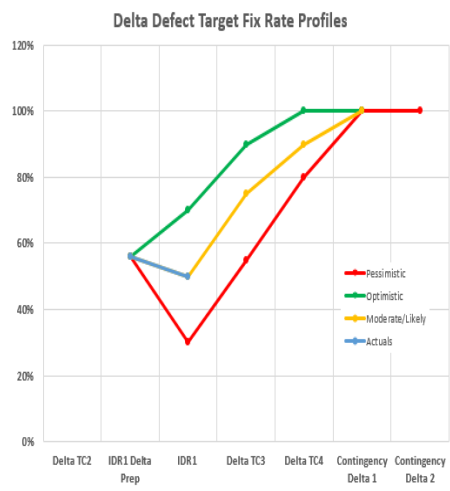
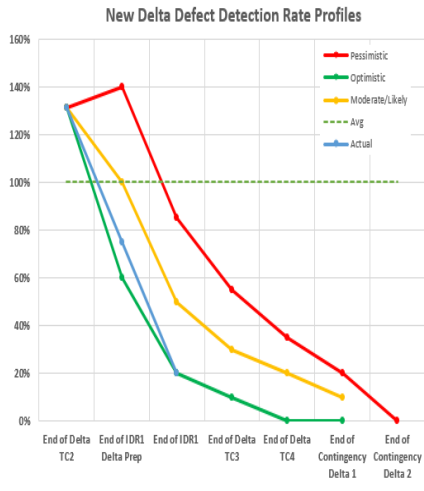
Data Workstream Dashboard

Summary of Current Workstream Plan Activities:

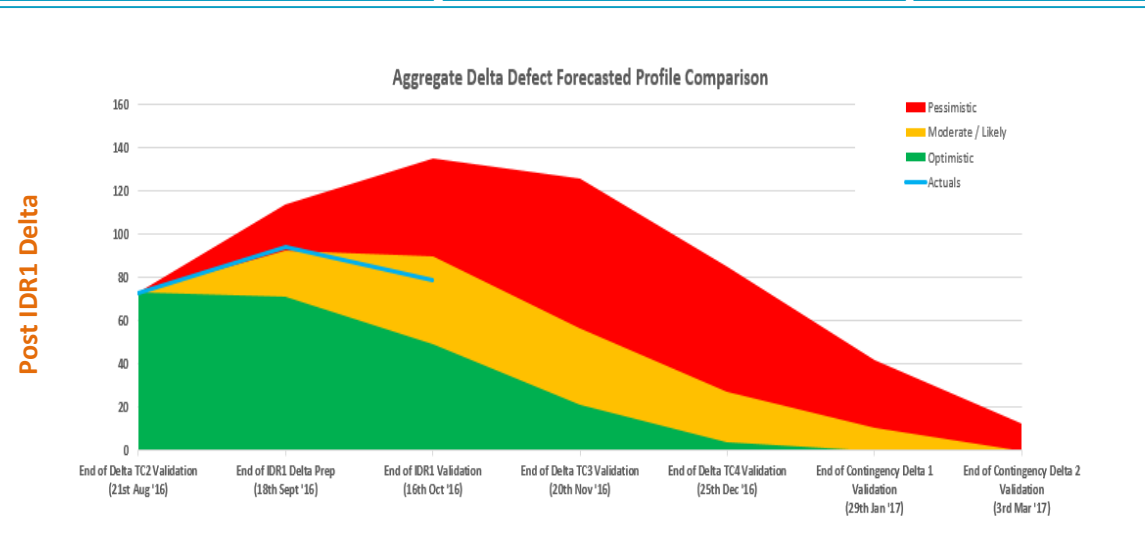
Data Source	Current Cycle	Plan Perf.	Quality RAG	Progress	Response to RAID	
Unique Sites (D1,1)	IDR1 (complete)	G	G	Unique Sites run successfully as part of IDR1 <ul style="list-style-type: none"> Performance : Achieved plan timings Issues : None Quality : No further quality issues found within this cycle. All business validation checks were completed. 	<ol style="list-style-type: none"> Further US cycle planned to sweep up X21 "Open" defects as of 19/10/16 and practice US migration before IDR2. 	
				Data Defects Landscape		Fallout from cycle
				Green for Cycle		99.9% success rate for 41.7k data items loaded
In Flights (Data) (D1.5)	IDR1 (complete)	A	R	First Inflight cycle undertaken in IDR1 and a number of quality observations have been found for further action & resolution. <ul style="list-style-type: none"> Performance: Performance timings for 4 out of 6 data scenarios attempted in IDR1 were proven. Issues : Numerous issues were found during were encountered and workarounds were found for them. Quality: A high number of defects have been raised against data sufficiency and data integrity. All business validation checks were completed. 	<ol style="list-style-type: none"> Focussed "Root Cause Analysis" and lessons learnt on In flights being planned w/c 24/10/2016 Data plan being updated with lessons learnt and checks Dedicated Test cycle for InFlights is to be executed in collaboration with Transition 	
				Data Defects Landscape		Fallout from cycle
				Amber for Cycle		99.8% success rate for 35.62m data items loaded
LPG (D1.3)	N/A	Not in Scope for IDR1	N/A	Not in IDR1 Scope	<ol style="list-style-type: none"> LPG data previously tested to be a quality load (performing to planned timescales) 	
				Data Defects Landscape		Fallout from cycle
				N/A		N/A

Data Defects Dashboard

Delta Data Defect Forecasting: As @ 12 Oct 16 (End of IDR1 Delta Cycles)



- Variable factors for delta forecasting updated from IDR1 onwards to reflect actuals observed in IDR1 Delta Prep
- IDR1 as a data migration test cycle saw Xoserve achieve better than expected results in relation to the-Delta defect landscape.
- Delta defect aggregate currently tracking downwards into the 'Moderate/Likely' profile.



What learnings must we take away from the current forecasts?

- Variable factors for delta forecasting all achieved positive actuals.
- Continue to track against executing the 'Contingency Delta TC1' cycle as the final delta test phase (June '17 go-live)
- The true test of time is likely to be the next test cycle, Delta TC3, given that Auto Validation solution will continue to run to aid with validation.

Transition Status Report

Project Nexus: As @ 27 Oct 16

Sponsor: Jon Dixon

PMO: Melisa Findlay

End Date: 01 Jun 17

RAG Status	Transition
Overall	● ↔
Xoserve	● ↔
Baringa <small>view of Xoserve</small>	● ↔
Participants	● ↔

Workstream Status:



Programme Trend:



Since:

27 Aug 16

Transition Background: The Transition Workstream covers the activities required to move the new UK Link solution into production environment and business as usual. The workstream covers the Xoserve activities associated with implementation dress rehearsals, cutover planning, execution, and the key activities and deliverables required. This is to allow market participants to plan and execute the cutover and transition of their own systems and be in a position to participate in the market with the new solution.

Overall RAG Commentary:

- Transition has been rated as Green as a reflection of the broadly successful validation of the Implementation approach through IDR 1.
- Issues identified during the execution of IDR 1 caused a ~5 day impact to the overall IDR1 timeline. Future IDR with opportunity to refine through later IDR cycles.
- The execution of Transition business scenarios is progressing as per plan and remains Green. The key areas for attention were shared at TPG on 11 Oct 16.

Achievements since last PNDG:

- Communications Subgroup workshop held to identify the third parties that will require communications regarding Project Nexus. Approaches and key messages defined.
- Discussions held about IDRO with Xoserve to confirm approach and availability. The objective is to issue this to industry by the end of month.
- A high level overview of the IDR 1 Execution was been presented at TPG on 11 Oct 16.
- Contingency Planning subgroup sessions took place on 26 Oct 16.

Remediation Action:

- To further build confidence levels, completion of IDR 1 (due mid Oct) and the associated confidence checkpoints (NED Checkpoint and Delta Checkpoint) are required. This will build confidence in the cutover strategy and plan.
- Establishment of a confirmed set of lessons learned and refinement actions for future IDR phases.
- Identify opportunities to test transition arrangements through data migration test cycles e.g. functional testing on back of delta cycles, additional simulations of the 'catch up' process.

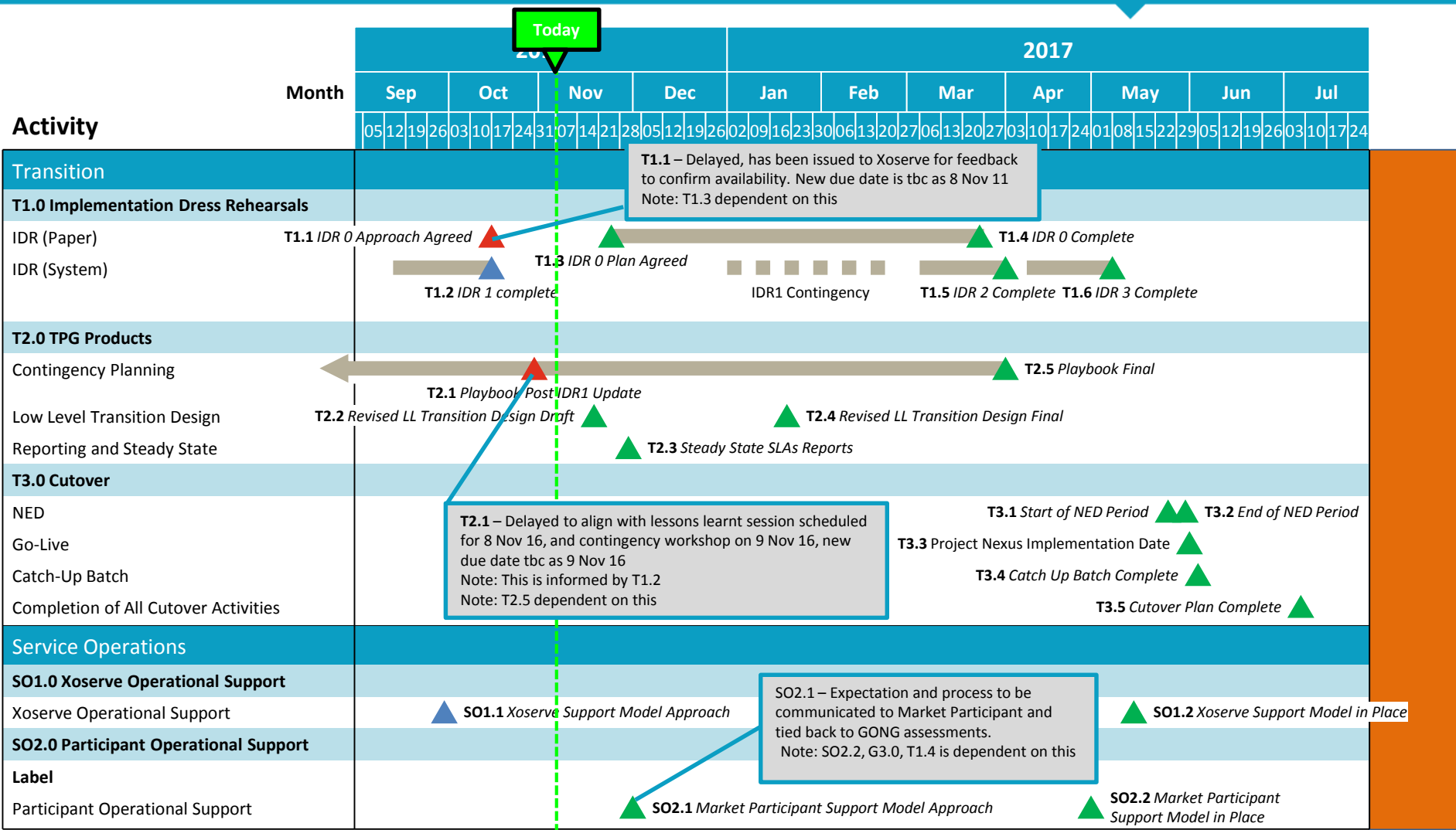
Upcoming activities:

- A more detailed IDR1 lessons learnt session is scheduled for TPG on 08 Nov 16.
- Further Contingency Planning subgroup sessions to take place on 9 Nov 16. Milestone T2.1 will be updated via lessons learnt session on 8 Nov 16.
- Draft version of the Revised Low Level Transition Design to be delivered to TPG on 22 Nov 16.

TPG Key Messages:

- Hypercare Principles due on 8 Nov 16. It is expected that a TPG subgroup will be formed to turn these into an approach.
- There is an expectation that the 21 day plan is to be updated by Xoserve based off the new implementation date.
- The NED proposal for the Jun implementation date highlighted the potential addition of 2 extra 'NED' - currently termed Variant Non Business Days (VNBD). Xoserve walked through the proposal at the past 2 TPG meetings with a number of questions raised and responded to.

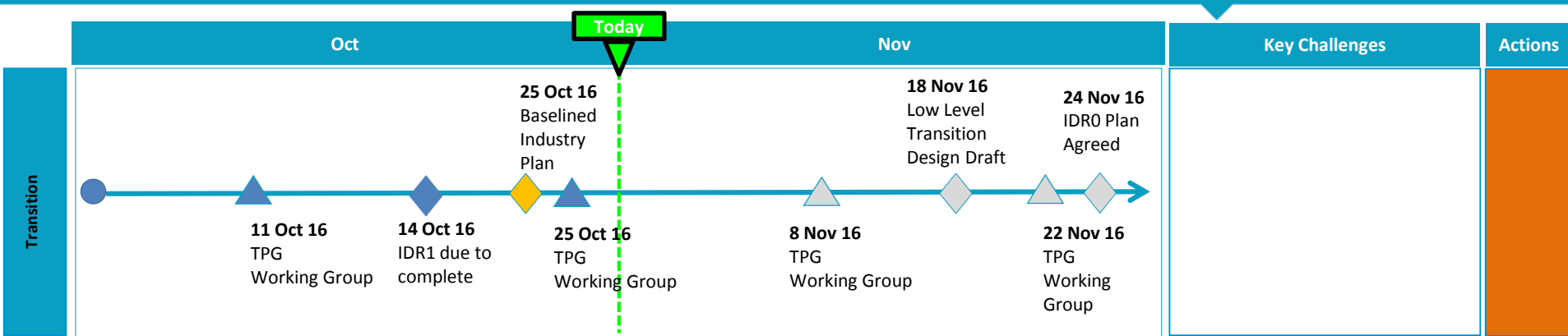
Transition Workstream Plan



Milestone RAG Key:

- ▲ Industry Milestone
- Industry Activity
- ▒ Contingency
- ▲ Complete
- ▲ On Track
- ▲ On track but being closely monitored
- ▲ Milestone at risk: manageable with mitigation
- ▲ Increased risk to Milestone: Urgent mitigation required
- ▲ Significant risk to Milestone: Immediate mitigation required
- Slip/expected delay of milestone

Transition Dashboard



Key Challenges	Actions

TPG Products	Status	Owner	Completion Date	RAG
Third Party Communications	In Progress	Comms Subgroup	27 Jan 17	●
Hypercare Approach	In Progress	E.ON	16 Jan 17	●
Cutover Industry Principles & Behaviours	Baselined	PwC	25 Oct 16	●
Contingency Planning	In Progress	Contingency Planning Subgroup	23 Jan 17	●
Defining Steady State post go-live	In Progress	Npower, SSE, Xos	30 Nov 16	●
Reporting through cutover and go-live	In Progress	Npower, SSE, Xos	12 Dec 16	●
GONG Evidence Review	Complete	PwC	25 Oct 16	●
Industry Transition Preparation Document	Baselined	PwC	11 Oct 16	●
Industry Transition Plan	In Review	PwC	25 Oct 16	●
Catch Up Batch Overview	In Progress	Xoserve	20 Jan 17	●
IDR 21 Day Walkthrough	In Review	Xoserve	7 Sep 16	●
Low Level Transition Design	In Progress	Xoserve	20 Jan 17	●
IDRO	In Progress	PwC	24 Mar 17	●

Key Messages:

- The Cutover Industry Principles and Behaviours document was baselined at the TPG on the 25 Oct 16.
- The GONG Evidence Review has been marked as complete as the evidence has been issued to the Market Participants via the Portal for review.
- The Market Participants have requested for the Industry Transition Plan to contain activities post cutover including the first post go-live code release, the planned KPI reports, checkpoints for the start and exit of steady state and when the first invoicing runs will take place. These activities are with Xoserve to confirm before the plan will be baselined.
- Hypercare Approach status updated to 'In Progress' with principles and high level approach due at TPG on 08 Nov 16.
- IDRO approach is currently being drafted with approach under review with Xoserve to confirm availability for cycle sessions. Intention is to issue by the end of October.

Transition Risk & Issues Log

Risk & Issues	Workstream	Rating	Due Date	Mitigating Actions	Progress	Owner
<p>R011: The transition approach may not support a high quality, low risk implementation.</p> <p>As a result of delaying the 'low level' transition design and a concern that the overall transition approach is not sufficiently robust, there is a risk that participant's preparation and readiness for go live may impact the transition.</p>	<p>Transition</p> <p><i>Milestone Affected:</i> T3.3 Project Nexus Implementa tion Date</p>	<p>9</p> <p>Current Rating: <i>Likelihood:</i> (3) <i>Impact:</i> (3)</p>	01 Jun 16	1) Cross industry transition planning workstream and PNDG to oversee approach and preparation for transition.	1) Complete	1) TPG
			01 Jun 16	2) Finalise the low level transition approach and detailed cutover plan. Ensure the market is fully aware of the agreed approach and plans.	2) Complete	2) TPG
			01 Jun 16	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.	3) Complete	3) TPG
			24 Oct 16	4) A045: Develop an industry wide transition governance framework that incorporates the GONG criteria.	4) Complete. The governance framework is complete and was presented at the PNSG on 24 Oct 16.	4) TPG
<p>Propose to close this risk as all actions are complete.</p>						

Transition Action Log

Action #	Action	Progress	Owner	Status	Due	Forum
A044	TPG to i) 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. ii) Report the results to PNDG and recommend if any further mitigating actions are required.	<ul style="list-style-type: none"> i) Complete. ii) Complete. Information on the scenario planning exercises and details about the impact of different participants not being ready for go live was presented at PNDG on 05 Oct 16. 	TPG		16 Sep 16 → 05 Oct 16	PNDG
A045	Develop an industry wide transition governance framework that incorporates the GONG criteria.	Complete. The governance framework is complete and was presented at the PNSG on 24 Oct 16.	TPG		30 Aug 16 → 26 Sep 16 → 24 Oct 16	PNDG
A148	<p>PwC to engage with Hypercare owner (E.ON) and develop plan to continue with progress .</p> <p>This action is related to the development of the TPG hypercare product.</p>	TPG lead met with Hypercare lead on 04 Oct 16, they agreed a plan and progress has been initiated. This action is now complete.	TPG		25 Oct 16	PNDG

GONG Status Report

Project Nexus: As @ 27 Oct 16

Sponsor: Jon Dixon

PMO: Melisa Findlay

End Date: 01 Jun 17

RAG Status

GONG

Overall	n/a
Xoserve	n/a
Baringa <small>view of Xoserve</small>	n/a
Participants	n/a

Workstream Status:

Programme Trend:

Since:



TBC

GONG Background: The GONG workstream will track market participants progress against a set of criteria. In collaboration with the cross programme working groups, it will provide a final recommendation to the PNDG / PNSG on market readiness to go-live and the associated risks should all parties not been able to demonstrate go-live readiness. Through the Nexus Portal, participants will self assess their status, the output of which will be reported through the PNDG. Performance will be measured against three 'Gates' where progress against the GONG criteria will be reported, including assurance over participants submission in order to support any recommendation.

Achievements since last PNDG:

- GONG Criteria and expected evidence have been reviewed and updated in line with the revised baseline industry plan.
- GONG evidence questionnaire was launched 17 Oct 16 in the Nexus assurance portal.

Overall RAG Commentary:

RAG status will be reported once the PMO has commenced gathering participant statuses as part of the GONG assessments.

Responses from evidence has been received and further analysis is ongoing.

Remediation Action:

Nothing required at this point

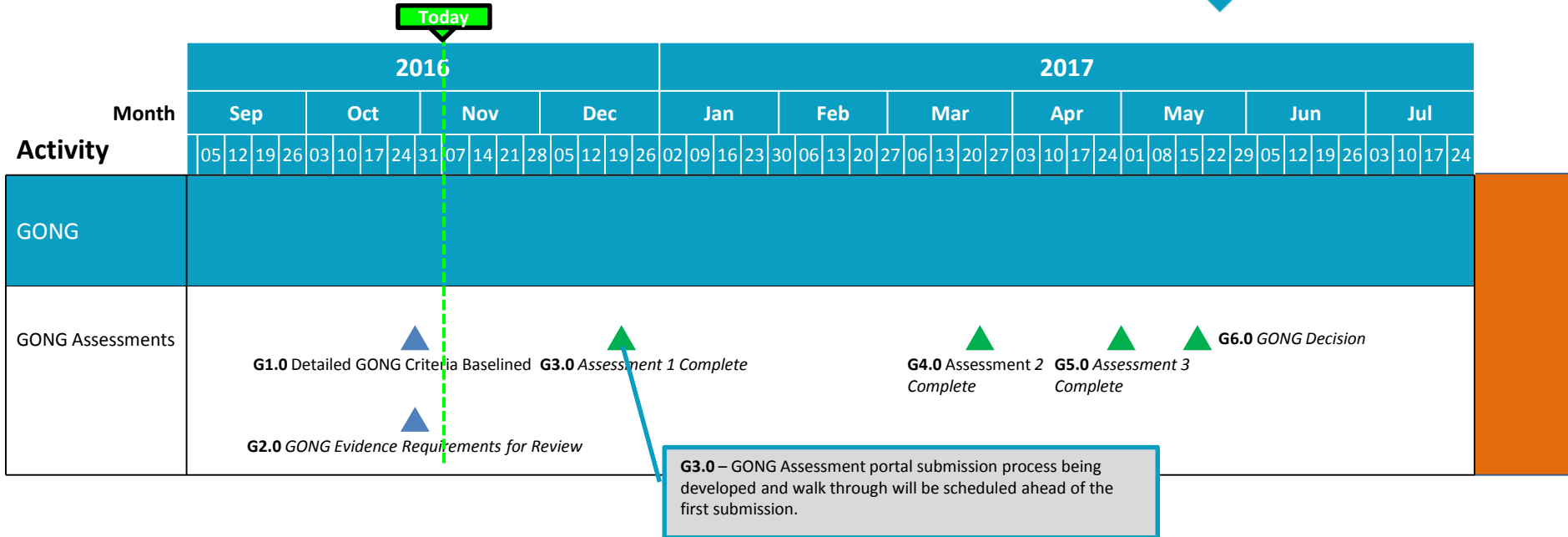
Upcoming activities:

- A GONG walkthrough session will be held prior to the first GONG Gate.
- The requirement for a GONG cross programme working group will be explored in early November.

Key Messages:

Nothing required at this point

GONG Workstream Plan



Milestone RAG Key:

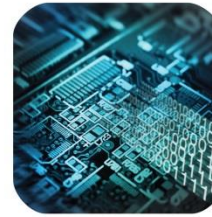
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Appendices

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Read

xserve



respect > commitment > teamwork

Read

Release Management Plan



05-Aug	12- Aug	19- Aug	26- Aug	2- Sep	9- Sep	16- Sep	23- Sep	30- Sep
Market Trials Execution								

9-Jan 17	-----	26-Mar 17
Regression		

Date Added	Xoserve CR No.	Industry Reference No.	Industry Change Title	Functional description of change	Impacted Stakeholders				Release No.
					Shipper	GT	DMSP	iGT	
05/07/2016	UKLP IADB176 CP 1582.2	Xos_CR_18	File Record Amendment M00 v6.3FA	Description change to indicate the meter index (rather than the uncorrected converter index) will be provided. Files will be issued to Market Trials Users containing the uncorrected converter index. In some instances the composition of the index would be different to User expectation – i.e. if the number of dials are different – but the files should continue to be generated to Users so that they are able to receive and validate these files.	X				Deployment options under review
05/07/2016	UKLP IADB182 CP 1578.3	Xos_CR_19	Amendments to Baseline File Formats U01, U12, U14	This change withdraws a previous change so reverts to Legacy treatment in User systems. The change removes the condition in new UKL that where an AMR Device is present only two readings (corrected and uncorrected index) are required. Users would be able to bypass this condition by removing the AMR device for each meter point.	X				Deployment options under review
26/08/2016	CP TBC -14 th Sept UKLP IADB220	Xos_CR_21	File Format Changes – Gas Owner Act - June 2016	May require functional change for Users. Note: PAC and MRI have already been issued to Shipper Users as no functional change was required.	X	X		X	R12 – Pre Regression
26/08/2016	UKLP IADB230	Xos_CR_23	File Format Changes – EWS FILE TO EMWS	National Grid and Xoserve are the only parties affected. Populating mandatory fields in the EWS file exchanged between Xoserve and National Grid. Content of relevant fields has been agreed and temporary fix has been applied to Market Trials.					R12 – Pre Regression
26/08/2016	CP TBC -14 th Sept UKLP IADBI252	Xos_CR_25	File Format Changes Aug 16 Unique Sites (SOQ/SHQ)	Under analysis, potential to be description changes (admin) but potentially some domain changes (functional) Change pack to confirm	X	X			R12 – Pre Regression

UKLP Market Trials Queries M.I

Query status by constituent type							
	Shipper	iGT	GT	DMSP	Other	Grand Total as at 10/10/2016	Grand Total as at 26/09/2016
Closed	1906	166	499	62	46	2679	2521
Open	16	2	8	0	1	27	37
Grand Total	1923	169	507	62	47	2708	2557

All Open Queries Age Analysis				
	Figure as at 10/10/2016		Figure as at 26/09/2016	
0-10 days	23	85%	34	92%
11+ days	4	15%	3	8%
Total	27	100%	37	100%

All Closed Queries Age Analysis				
	Figure as at 10/10/2016		Figure as at 26/09/2016	
0-2 days	1421	53%	1349	53%
3-5 days	496	18%	447	18%
6-10 days	358	13%	327	13%
11-20 days	202	8%	196	8%
20+ days	206	8%	205	8%
Total	2683	100%	2524	100%

Key Messages:

- 4 Open queries older than 11 days
- 99% of all queries raised are closed.
- 85% of queries are closed within the 10 day SLA with 71% being closed within 5 days.
- 240 queries were received in the last 2 weeks of MT execution, with over 40% being queries on SPA and RGMA



CSA Programme Board Report

UK Link Programme

Client: Xoserve
Date: 12/10/16
Version: V1.0

Reputation built on results

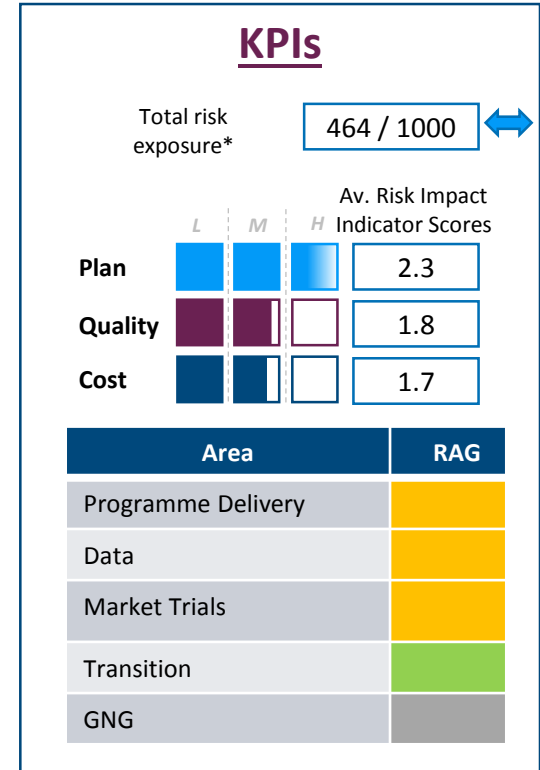
- ▶ The overall programme status for this period remains **AMBER** with an unchanged overall risk exposure score
- ▶ Positive progress continues to be seen in the data stream where co-location of resources is driving delivery efficiencies – this same model is being employed for functional testing in order to address key defects
- ▶ Optimisation of resource management across the Programme remains a key focus area however the immediate constraint driven by IDR has now been overcome
- ▶ Pressure on the code stability deadline is growing with a risk of MT overrun, change requests and continued UAT contributory factors

KEY RISK AREAS

- ▶ CR deliverability ahead of ‘need dates’ (MT regression, IDR2, Cutover) – exacerbated by further CRs being raised
- ▶ Resource management and prioritisation
- ▶ Functional Test (MT and UAT overrun)

KEY MITIGATION ACTIONS

- ▶ Publish agreed data phase success criteria and finalise dates for additional iGT, unique sites and in-flight testing
- ▶ Drive a culture change within the Programme to focus on milestone achievement and Go-Live readiness
- ▶ Enhance resource management process to improve prioritisation and granularity of planning
- ▶ Explore options for defects workaround for residual complex UAT defects



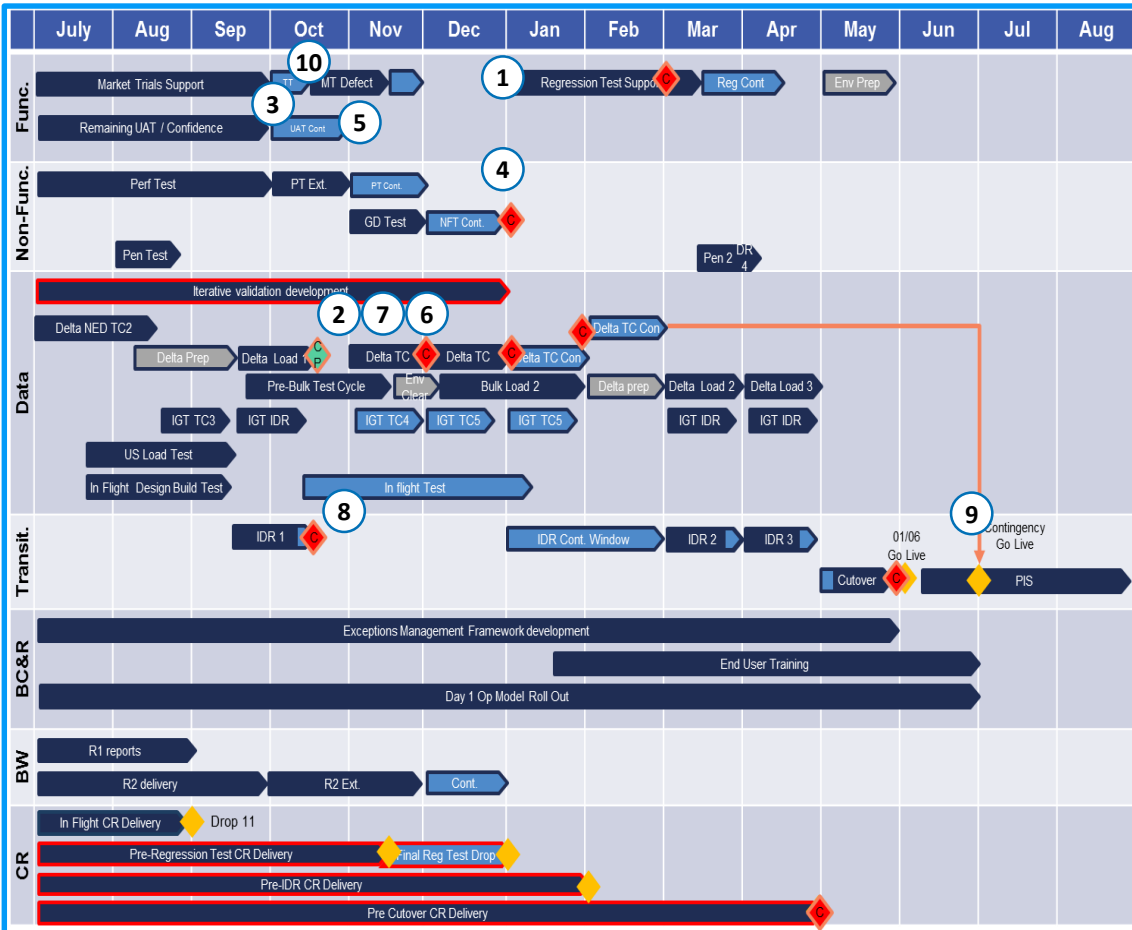
* **Total Risk Exposure:** Sum total of risk exposure scores of the top 10 risk items reported

** **Risk Impact Indicator Scoring:** Aims to provide a quantification of the level of risk summarised within this report, and an ability for comparison of progress in implementation of mitigations each period

Plan Impact Points

- ▶ Risk impact points have been overlaid onto the high level programme POAP
- ▶ Risks are identified on a 'by exception' basis and whilst contributory, do not directly drive the phase/workstream RAG statuses provided
- ▶ Risk RAG statuses are relative and designed to articulate the potential impact on Programme critical path.

KEY
 ↑ Improving Trend
 ↓ Worsening Trend



	ID	Risk Description
Programme Delivery	#01	CR delivery - There is a risk that parallel delivery pressures will impact the delivery of CRs that are required to achieve code stability and further go-live readiness. This risk significantly increases if new 'must have' change continues to be identified or existing delivery activities encounter challenges
	#02	Resource assignment & levelling – Current resource mgmt. processes are inadequate to confirm the required Programme resource profile or respond to demand effectively
	#03	Risk of immediate erosion in industry confidence due to near term milestone slippage
	#04	Non functional test close out – PT is set to complete in line with plan with residual defects – there is a risk that these items are not closed out within the NFT contingency window
	#05	Critical defects (Reconciliation invoicing, plus Back Billing) continue to disrupt the UAT plan with the risk to code stability growing
Data	#06	Delta Data Migration Solution Delivery – delta testing forms the backbone of the critical path and there is a risk the solution will not be proven ahead of the need date for loads to production
	#07	Auto validation – Narrowing window of opportunity to deliver the full auto-validation solution, leading to a lack of quantification of the true number of data defects, and an inability to assure data quality ahead of go live
Transition	#08	In flight transaction delivery - IDR1 only tests a subset of in flight transactions, with a lack of clear plan/approach for completion of residual scope
	#09	Day 1 Exceptions Handling – There is a risk that Xoserve is underprepared to handle 'Day 1' exceptions, leading to SLA breaches
	#10	Risk of MT overrun & impact on supportability

Working Group Meetings

Working Group	Next Meeting	Meeting topics
Market Trials Working Group (MTWG)	26 Oct 16	<ul style="list-style-type: none"> Review of outstanding actions Update on Managed MT Review of functional areas unlikely to be tested prior to MT Exit on 11 Nov Analysis of impact of outstanding CRs on MT regression
Data Management Group (DMG)	2 Nov 16	<ul style="list-style-type: none"> NA
iGT Single Service Provision (SSP)	21 Nov 16	<ul style="list-style-type: none"> Review previous meeting summary and actions Data Preparation progress and review of rejections of data submitted to the iGT migration database Data Quality observations and agree actions to resolve issues Discuss and agree any newly required iGT Transformation Rules Propose and agree functional changes identified by either Xoserve or iGT (e.g. File Formats, Rejection Codes) Discuss any requirements for iGT UNC modifications to support UKLP implementation
TPG	8 Nov 16	<ul style="list-style-type: none"> Capture IDR1 lessons learned Review Hypercare principles Update on contingency planning

Note:

- SSP lists the general topics covered at their meetings
- TPG, MTWG and DMG lists the topics to be covered at their next meeting

Hot topics

ofgem

Update on RIAG Sessions

Meeting on 20 Oct 16

- During the meeting PwC presented a review of milestones from the POAP that were due to be completed within the next 6 weeks and/or were rated as red or amber. This will be a standing agenda item for these meetings and will be adopted for future PNDG meetings.
- As part of the milestone review, key actions that would help improve the RAG rating of the milestone were discussed and assigned to attendees.
- The meeting then focused on key risks relating to MT2.0 (Market Trials complete). An update was provided on the Managed MT as well as the defect tracking process.
- One of the agreed actions that came out of the meeting was for PwC to conduct a call with RIAG participants in the week commencing 24 Oct 16 to review the status of the Managed MT phase and to communicate an update on the likely activity required post 11 Nov 16.
- Representatives from PwC and Baringa led a discussion on issues relating to Code Stability. As part of the discussion two process maps relating to attaining and managing code stability were presented. It was agreed that the 'attaining' map would be completed and operationalised by Xoserve with input from RIAG members and the 'managing' map would be completed and operationalised by Xoserve and MTWG.
- Risks and Issues identified by RIAG are being migrated to the programme risks and issues register.

Future Meetings

- 03 Nov 16: Explore the risks arising from the combination of newly loaded data and functionality at go-live.
- 17 Nov 16: How to manage regression testing to maximise chances of success. Specifically what have we learned from MT and managed MT.

This document has been prepared by PwC only for Ofgem and solely for the purpose and on the terms agreed with Ofgem in PwC's statement of work (of 1 August 2016, Spec 7) as part of PwC's call-offs under the framework agreement dated 11 April 2016. PwC accept no liability (including for negligence) to anyone else in connection with our work or this document.