

Project Nexus Delivery Group [PNDG] Status Report

13 December 2016 [Lite]

Covering the period: 25 Nov 16 – 08 Dec 16

ofgem

Agenda

#	Title	Slide
1	Agenda and Approval of PNDG minutes	2
2	Programme Status Report	3
3	Workstream Updates	4 - 20
4	RIAG & RAID update	21 - 27
5	Appendices	28 - 35

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 @ 08 Dec 16

Sponsor: Jon Dixon

PMO: Melisa Findlay

End Date: 01 Jun 17

RAG Status	Solution Delivery	Market Trials	Data	Transition	GONG
Overall					
Xoserve					Pending
Baringa <small>(view of Xoserve)</small>					Pending
Participants	N/A				

Programme Status:

Programme Trend:

Since:

10 Nov 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 but being closely monitored
 On Track
 Complete
 N/A or No information
 Deterioration since last report
 No Change Since last report
 Improved since last 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.

Activities since last PNDG:

- Gas Day Testing completed as scheduled (SD1.2).
- Agreement on managed approach for MTR.
- Delta Test Cycle 3a completed successfully (D 1.4).
- 31 of 43 Market Participants and Xoserve made a Nexus Assurance Portal Submission for GONG assessment G1.

Upcoming activities:

- A confirmatory Gas day TC to validate tuning changes.
- MTR entry position report to be presented to PNSG on 19 Dec 16.
- Preparation for Bulk 2 Commencement (D2.2) underway.
- Work with Participants and Xoserve in advance of the second GONG submission on 16 Dec 16.

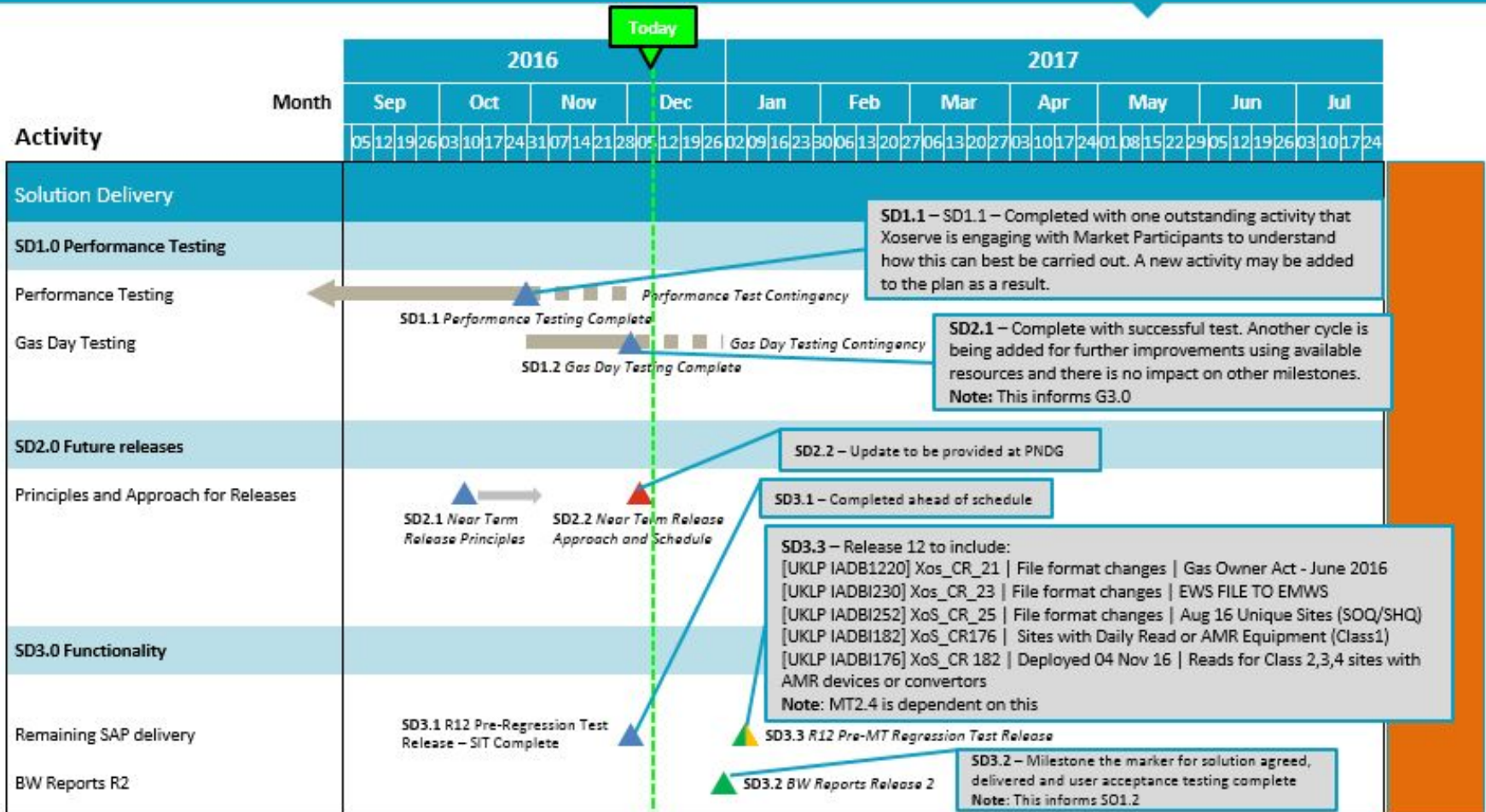
Overall RAG Commentary:

The programme continues to show on track performance recognised through the continued Amber / Green RAG status. **Solution Delivery:** Is tracking as Amber / Green due to a requirement to run a confirmatory Gas Day Test Cycle. This will be managed within pre-planned resourcing and timelines at no impact the to the wider programme. Residual Participant Testing has been incorporated into Gas Day testing. Xoserve also await confirmation from industry that 32M daily reads will be sufficient for Day 1. **Market Trials:** Continues to be rated Amber reflecting the level of risk and preparatory work associated with achieving the entry criteria for the MT Regression (MTR) phase. 36 of 43 participants have registered their intent to partake in regression testing. **Data:** Continues to reflect an Amber / Green. The Amber element is driven by the data loads which require fix and prove cycles, in-flight readiness in addition to some concern over the data cleansing and reconciliation actions being undertaken by participants. The Green element reflects the completion of Pre Bulk and Delta TC3a. **Transition:** Has deteriorated to Amber / Green to reflect participants concern over the length of NED (3.1 and T3.2) and in-flight processes. **GONG:** Is currently Amber / Green which reflects the positive response to the GONG assessment. Key concerns identified include iGT data readiness and the completion of the low level transition design.

Remediation Action:

Solution Delivery: Gas Day Testing completing an additional cycle to validate tuning changes and incorporate residual Participant Testing. **Market Trials:** Preparatory activity, such as initiation calls, adoption of previous lessons learned from MT and assessment of participants readiness to enter MT regression, continues. **Data:** iGT ways of working and Portfolio reconciliation yielding results, participants now need to focus on fixing data on their systems that is impact by red and amber T-rules, acting on the reports being provided by Xoserve. **Transition:** Xoserve are required to complete iGT Data migration TC, expected 09 Dec 16. **GONG:** Review detailed GONG submissions with TPG and DMG chairs in order to identify any additional actions required required in regard to iGT data readiness and the LLTD.

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

Solution Delivery Status Report

Project Nexus: As @ 08 Dec 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:
 The status of this workstream remains Amber / Green due to:

- Gas Day Testing which has identified further tuning that needs to be applied and then retested.
- Confirmation of industry volumes required to Performance Testing results.
- E2E UAT residual defects - 20 outstanding (as noted in the defect status graph below), of which 9 are fixed and under internal re-test, the remainder have target fix dates to mid-December.

Achievements since last PNDG:

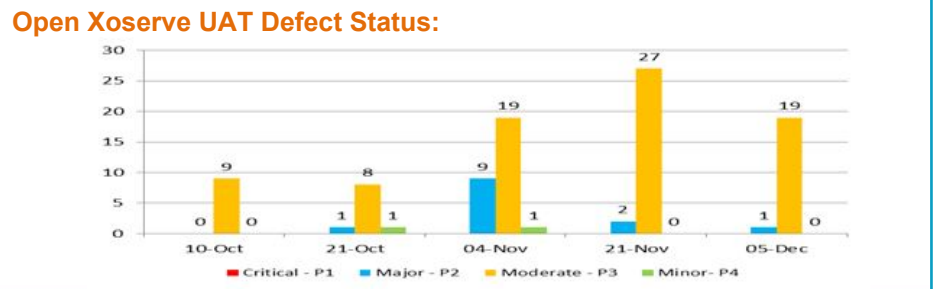
- CR182 (Class 2, 3, 4 AMR reads) deployed successfully on 02 Dec 16 and is now available for participant testing.
- E2E UAT remedial defects are on track to complete fix and re-test by 13 Dec 16.
- Gas Day Testing is complete (SD1.2). Though a further cycle will be run to validate changes made / based on findings, which is due to complete 16 Dec 16.
- Engaged with industry through TPG to validate anticipated readings transaction volumes for go-live and after; TPG has taken an action to progress the validation.
- Code Stability CRs are on track to delivery for 06 Jan 17.

Remediation Action:

- Gas Day Testing will complete an additional cycle to validate tuning changes focussing on the timing of extraction to SAP BW.
- Industry confirmation of volumes for day 1 and beyond and response from CMA on Smart meters directive are to be impact assessed when issued (date to be confirmed by TPG).
- Analysis and communication of the industry impact of any defects that cannot be fixed for code stability or go live .

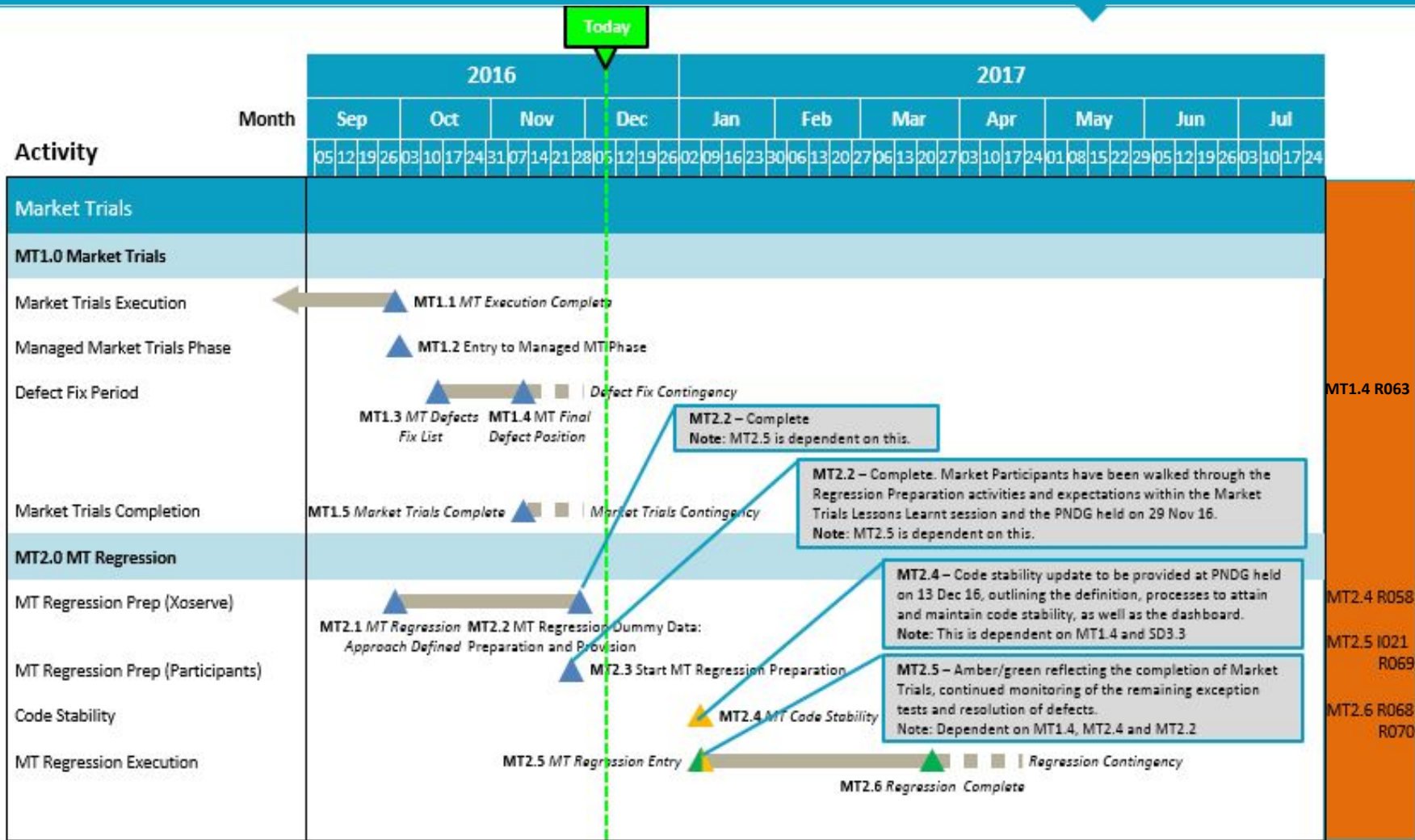
Upcoming activities:

- Execute change confirmation test cycle for Gas day testing by 16 Dec 16.
- TPG are to progress confirmation of industry volumes for go live and beyond.
- Complete Industry Checkpoint 2 on 23 Dec 16, all inputs remain on track to complete ready for the assessment point.
- Communication expected from the Competitions and Markets Authority on the responses to the directive on management of Smart Meters by the end of December.



Discuss

Market Trials Plan



MT1.4 R063

MT2.4 R058

MT2.5 I021 R069

MT2.6 R068 R070

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 @ 08 Dec 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 Amber. There continues to be a high volume of preparation activity required across the industry to ensure readiness to enter the MTR phase. MTR preparation WebExes were run 05 Dec and 06 Dec 16 and kick off calls for all participants with individual case managers are planned for w/c 12 Dec 16. To date, 36 participants have formally confirmed their intention to participate in MTR. Test plans are due to be submitted by participants in the MTR Entry portal submission on 09 Dec 16.

Achievements since last PNDG:

- Confirmation of managed approach to be adopted for MTR
- MTWG run on 30 Nov 16, the key messages of this are captured below.
- Assignment of case managers to participants agreed within the team with an internal PMO kick off session run on 07 Dec 16 to agree ways of working.
- MTR preparation WebExes run on 05 Dec 16 and 06 Dec 16 ahead of self assessment submission for MTR entry.

Remediation Action:

- Actions from MT Lessons Learned session incorporated into MTR managed approach and preparation.
- Assessment of readiness against the MTR entry criteria ongoing. Includes tracking progress of Xoserve defect resolution, progress towards code stability milestone and the status of residual activities from L3/4 MT.
- Ofgem letters issued week of 05 Dec 16 to Market Participants setting out expectations for preparation for regression testing.

Upcoming activities:

- Self assessment portal entry submission deadline 09 Dec 16 for all participants planning to participate in MTR. Participants are due to submit their test plans in this portal submission.
- MTR preparation calls between participants and individual case managers planned for week commencing 12 Dec 16.
- MTR entry position report to be presented to PNSG on 19 Dec 16.

MTWG Key Messages:

- Reconfirmation of requirement for MTWG to continue throughout MTR, agreement of revised Terms of Reference.
- Confirmation that the weekly defect call will continue (with a revised Terms of Reference).
- Agreement around how code stability process will be operationalised for MTR and the process for escalating required changes/ fixes.

MT Regression Readiness

Based on information: As @ 07 Dec 16

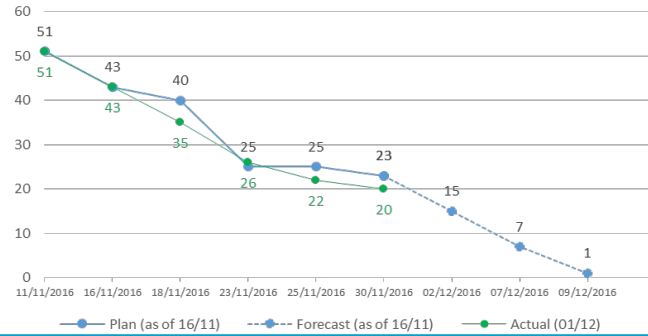
↑ Improving Confidence ↓ Deteriorating Confidence ↔ No change

L3/4 Residual Testing (@ 08 Dec 16)

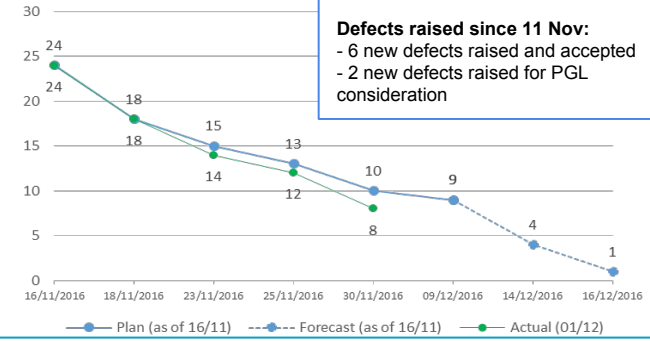
MMT Test lines*	Planned	Complete
Total	55	28
Rec. thick file	6	5
CR176	3	2
Annual AQ / NRL	10	9
iGT RGMA	9	2

*MMT test lines due to complete prior to MTR

Xoserve 'internal' MT defect burn down



Xoserve 'externally raised' MT defect burn down



Measures	Key supporting activities	Previous Period	7 Dec	Comments
Completion of residual testing from L3/4 MT	<ul style="list-style-type: none"> Participant's completion of residual L3/4 MT test lines. Xoserve resolution of outstanding MT defects against fix plan (internal and external). 	Not assessed	↔	38% of the remaining MMT tests planned to be completed prior to MTR have been completed, which is broadly on track but time remains tight. Xoserve defect fixing is ahead of schedule.
Code Stability	<ul style="list-style-type: none"> Xoserve delivery of the elements required to achieve code stability. Process for managing code stability once achieved. 	↔	↔	See code stability update provided by Xoserve on page 34. Baringa are reporting that progress towards code stability is still on track and is being closely monitored (see page 31).
Clear and baselined MTR test scope.	<ul style="list-style-type: none"> Participant define and submit test plans to PwC as part of 09 Dec 16 portal submission. Agreement of participant test plans with PwC w/c 12 Dec 16. Baseline MTR scope and review C1 / C2 coverage. 	↔	↔	36 Participants have confirmed their intention to participate in MTR. This includes 6 Large Shippers, 9 Challengers, 9 I&C, 5 iGT and 5 GT. This is expected to provide sufficient coverage of C1/C2 processes.
Participant readiness to enter MTR	<ul style="list-style-type: none"> Participant MTR entry self assessment in portal 09 Dec 16 and 04 Jan 17. Aggregated view of readiness against entry criteria. 	↔	↔	Participant attendance at the MTR preparation WebEx sessions on 05 and 06 Dec 16 has been good. The portal submission on 09 Dec 16 will be critical to assess current readiness.
Establish MTR Management Framework	<ul style="list-style-type: none"> Finalise the approach to management framework over MTR and work with Xoserve and participants to establish the framework. 	↔	↑	A 'managed' approach to MTR has been agreed. The management framework has been communicated to participants as part of MTR preparation WebExes.

Data Status Report

Project Nexus: As @ 08 Dec 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: 27 Sep 16

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 work stream is rated as Amber / Green. The Green element continues to be witnessed through successful completion of planned milestones including Pre Bulk and Delta Test Cycle 3a with increasing success in fixing defects especially within the Bulk and iGT data.

The Amber element reflects the data loads that still require enduring Data 'Fix and Prove' cycles, and In-flight/iGT Data Readiness for IDRs. There are also concerns over participants data cleanse and reconciliation activities particularly in relation to iGT data.

- Achievements since last PNDG:**
- Delta Test Cycle 3a completed ETL and validation completed successfully as per plan with moderate success in fixing Delta defects (D 1.4).
 - iGT Test Cycle 4 completed its ETL run and is undergoing validation.
 - Successful defect closure to prepare for Bulk Load 2 (D2.2) continues within stream to commence Bulk ETL on 12 Dec 16.

- Remediation Action:**
- Increased SME and developer interaction implemented for all Data Cycles and defect resolution for Bulk prioritised in the coming week.
 - The Data plan incorporates additional test cycles for iGT and Delta loads.
 - Ongoing actions to address potential inconsistencies in information held between shippers systems and the iGT Migration database presented at DMG.

- Upcoming activities:**
- Integrated In Flight testing along with Transition being planned.
 - Preparation for Bulk 2 Commencement (D2.2) underway.
 - Agile 'Fix & Prove' runs planned for remaining bulk affecting defects before commencement of Bulk 2.
 - Questions raised in the PNDG Data Breakout session will be presented back to the DMG on 15th December and any unresolved areas highlighted to the next PNDG.

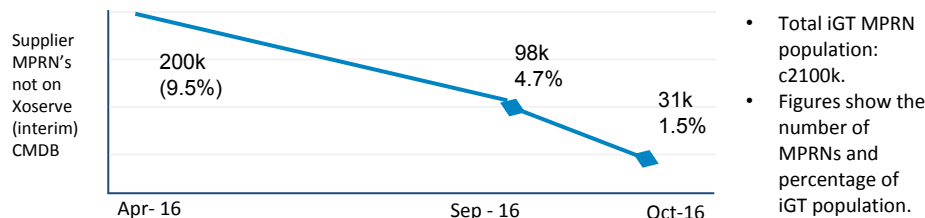
- DMG Key Messages:**
- iGT ways of working for full reconciliation of iGT Data yielding results with increased visibility of exceptions and improvements in number of sites affected (down to 34k from 91k at start of exercise).
 - Participants should review and populate the last meter inspection date T-rules T-16 (iGTs) and T-51 (GTs). These set the last inspection date to the latest read date, which could give a false impression if the customer was subsequently switched.

iGT Data - progress

Industry wide iGT data objectives are:

- 1) **Objective 1:** Ensure data is **complete** - by reconciling the monthly extract of MPRNs per shipper held on Xoserve's interim database to those held by the shipper and investigating differences - especially between iGT and Xoserve. Goal is zero differences. (progress on this objective is shown in figure 1).
- 2) **Objective 2:** Ensure data is **compatible** - Xoserve ensure that data is compatible with SAP using Transformation rules (T-rules) to correct values that would cause SAP to reject the data. For some rules (rated by the DMG as high (red) or medium (amber) risk, it is important for participants to ensure their data is cleansed in parallel to avoid possible issues after go-live (progress on this objective is shown in figures 2 and 3).
- 3) **Objective 3:** Ensuring data is **consistent** - all parties to ensure that data values within each MPRN are consistently held across Xoserve, Shippers, and iGTs. This is done by participants communicating issues to Xoserve who then investigate, identify root cause and establish responsibility between Xoserve and iGTs to resolve.

Figure 1 - Completeness - net exceptions on iGT portfolio reconciliation



Highlights

- To achieve completeness iGTs and Xoserve are working together on the portfolio reconciliation to reach zero differences by end Dec 2016 (Figure 1).
- Progress on the portfolio reconciliation has added c170k MPRNs to the interim database, which is likely to have been the cause of the increase in MPRNs corrected by amber and red T-rules (Figure 2).
- Concerted action is now required by participants, who are receiving reports from Xoserve for the MPRNs which are impacted by red and amber T-rules.
- Transformation rule T-16 defaults the last inspection date to the last meter read date, which could cause a safety risk if the customer switched supplier. This has been added to the high risk rules and participants were informed of the need to take action at the last DMG (see Figure 3).
- Only 7 of 44 participants have provided details of consistency issues to Xoserve, but there is a risk that this is not a complete set. It is essential for participants to provide details to Xoserve by the end of the month to ensure that these issues can be resolved.

Figure 2 - Compatibility - high and medium risk T-rules

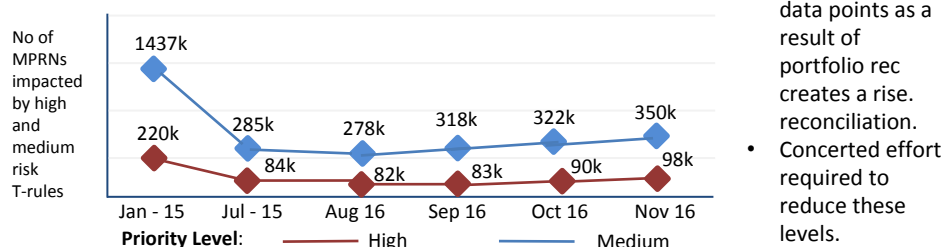
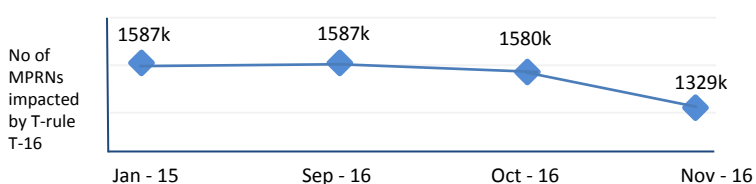


Figure 3 - Compatibility - last inspection date T-rule T-16



Actions for participants

- Take prompt action to cleanse data for amber and red T-rules on receipt of Xoserve reports.
- Continue to notify Xoserve (Emma.lyndon@xoserve.com) of any data consistency issues.
- Identify and highlight where T-rule compatibility issues are due to data inconsistencies.
- Ensure appropriate attendance from your Participants at the December 15th DMG to discuss feedback on questions raised at the PNDG breakout session..

Data Plan Activities

Summary of Current Workstream Plan Activities @ 05 Dec 16:

Data Source	Current Cycle	Plan Perf.	Quality RAG	Progress		Response to RAID
Delta	TC3a (complete) TC4 (started)	G	A	<p>Further testing of Delta solution and Incremental defect fixing continues in Delta Test Cycle 4</p> <ul style="list-style-type: none"> Plan: Plan performance for Delta Test Cycle 3 & 3a is in line with expected performance Issues: New defects detected within test cycles due to increased validation. Quality: Quality Parameters achieved 'moderate' defect fix rate in Delta TC3a targets by fixing more defects and achieving higher fix success rate than forecast. A number of new defects discovered in cycle through validation 		<ol style="list-style-type: none"> Active forecasting through Delta Model for determining target fix success rates required for cycle Data Delta Plan is expected to continue the burn down to manage 'known' defects through successful 'Fix & Prove' cycles. Contingency Delta Cycle 1 in January '17 expected to be utilised for this effort with no impact on Go Live Date.
				Data Defects Landscape	Fallout from cycle	
				58 Open defects within Delta with 40 to be targeted for TC4	TBC	
iGT	iGT TC4 (underway)	A	A	<p>iGT performance and quality to be further proven in iGT Test Cycle 4 & 5 before IDR2.</p> <ul style="list-style-type: none"> Plan: Some success in performance tuning and logistical enhancement to ETL achieved however plan performance requires further work to prove requisite timings for IDR2 Issues: iGT performance not in line with required 'NED' timings. Quality: A number of defects that remain open post IDR1 (X37) have been fixed and are being tested in further planned cycles (iGT TC4) prior to IDR2 		<ol style="list-style-type: none"> Further iGT Performance tuning to be undertaken and alternative options considered (e.g. increased NEDs) A number of Infrastructure issues encountered during iGT ETL to be understood and remediated. iGT Quality parameters awaited from validation of load to be incorporated into future cycles
				Data Defects Landscape	Fallout from cycle	
				TBC – X37 defects on target to be validated in iGT TC4	Reconciliation in progress.	
Pre-Bulk	Pre Bulk 2 (complete-defect fixes underway)	G	G	<p>Bulk Defects being addressed in Agile 'Fix & prove' runs before Bulk 2 commences.</p> <ul style="list-style-type: none"> Plan: Plan confidence remains high post Bulk 1 and Pre Bulk 2 timings. Issues: Some new defects have been discovered and are being addressed . Quality: A number of defects have been resolved post Pre Bulk 2. x21 defects remain in various states of fixing to be completed before entering Bulk 2. This is being actively monitored within the Entry Stage assessments for Bulk 2. 		<ol style="list-style-type: none"> There is a risk that Auto validation runs may uncover some more defects that need to be resolved in cycle before Bulk 2 – Agile fix cycles being planned for any residual risk.
				Data Defects Landscape	Fallout from cycle	
				X21 "Open" Defects being addressed before Bulk 2 commences	N/A	

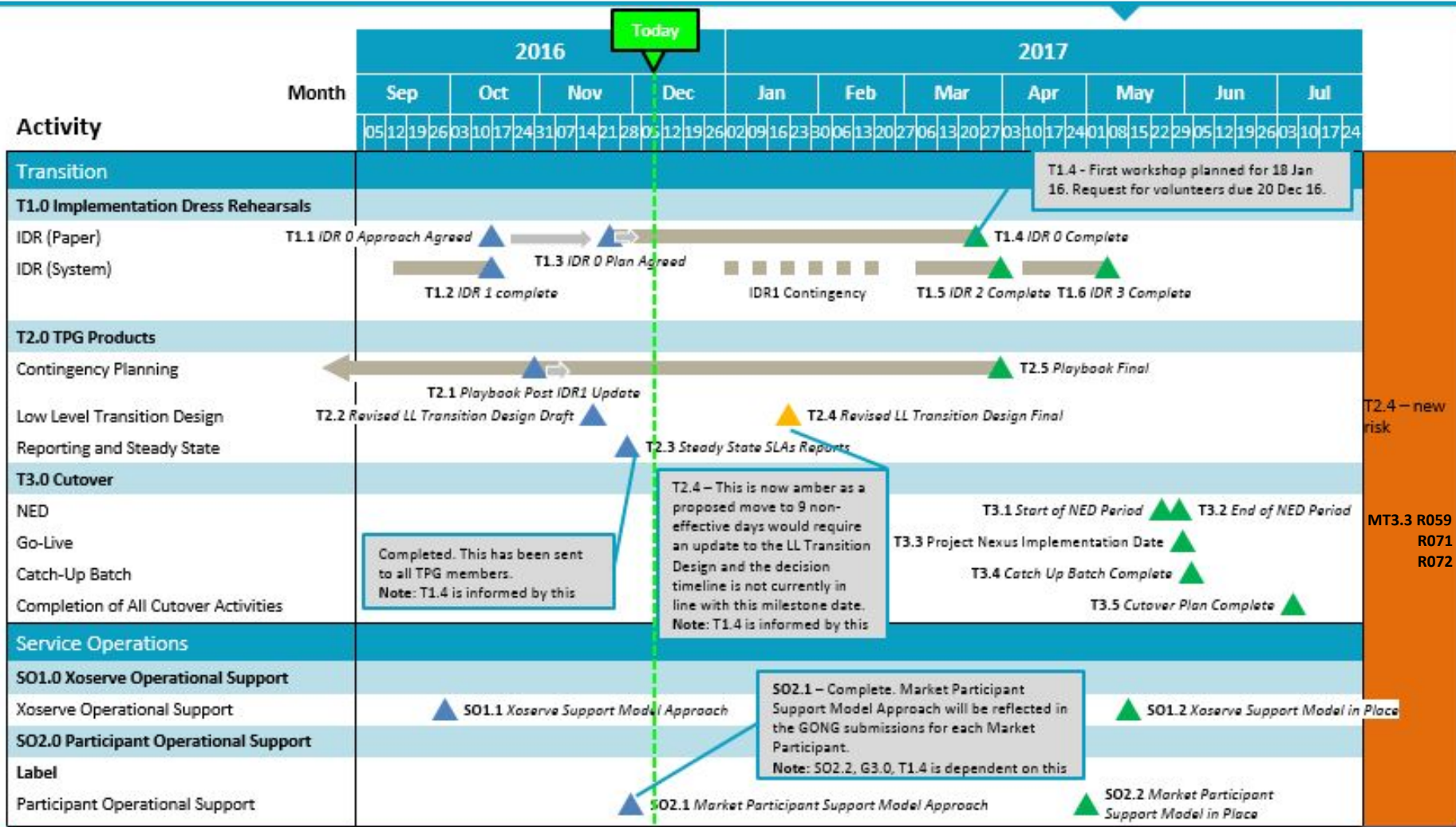
Current Data Plan Activities

Summary of Current Workstream Plan Activities @ 05 Dec 16:

Data Source	Current Cycle	Plan Perf.	Quality RAG	Progress		Response to RAID
Unique Sites	IDR1 (complete)	G	G	Unique Sites open defects to be addressed before next IDR cycle <ul style="list-style-type: none"> Performance : Achieved plan timings in IDR1 Issues : None Quality : A number of open data defects to be addressed via a cycle run before start of IDR2 		<ol style="list-style-type: none"> Further US cycle planned to sweep up X31 "Open" Migration and Quality defects and practice US migration before IDR2.
				Data Defects Landscape	Fallout from cycle	
				<i>X31 "Open" defects being addressed</i>	N/A before IDR2	
In Flights (Data)	IDR1 (complete) Further InFlights testing (TBC)	A	R	Integrated Inflight testing being planned with Transition teams <ul style="list-style-type: none"> Performance: Performance timings for 4 out of 6 data scenarios attempted in IDR1 were proven. Further testing of full scope planned Issues : A number of open Data defects exist along with previously untested IF scenarios Quality: In Flights Defect resolution is underway and will be tested in an integrated test cycle with transition 		<ol style="list-style-type: none"> Focused "Root Cause Analysis" and lessons learnt on In flights are underway. An end-to-end strategy for iGT and US InFlights is being formalised with Transition Dedicated Test cycle for InFlights to be discussed at TPG.
				Data Defects Landscape	Fallout from cycle	
				<i>Amber for Cycle –x27 Open Data defects</i>	N/A before next cycle	
LPG	LPG TC1 (complete)	G	G	Further LPG Testing underway <ul style="list-style-type: none"> Performance: Proven through prev. cycles Issues :N/A Quality: X8 "Open" Data defects exist across data migration and Data quality – these are being addressed by migration teams. 		<ol style="list-style-type: none"> LPG data previously tested and performing to planned timescales.
				Data Defects Landscape	Fallout from cycle	
				<i>8 Open defects in scope for "Fix & Prove"</i>	N/A	

Discuss

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 Status Report

Project Nexus: As @ 08 Dec 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: 29 Nov 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:
 The Amber / Green rating reflects the concerns raised by the market participants at the F2F PNDG. Their concerns centred on the outstanding question regarding the length of the NED (T3.1 & T3.2) window and the inflight processes. This concern needs to be resolved to provide clarity over the length of the cutover period for both Xoserve and the Market Participants. This is to ensure plans and deliverables (i.e. the Low Level Transition Design) can be updated accordingly.

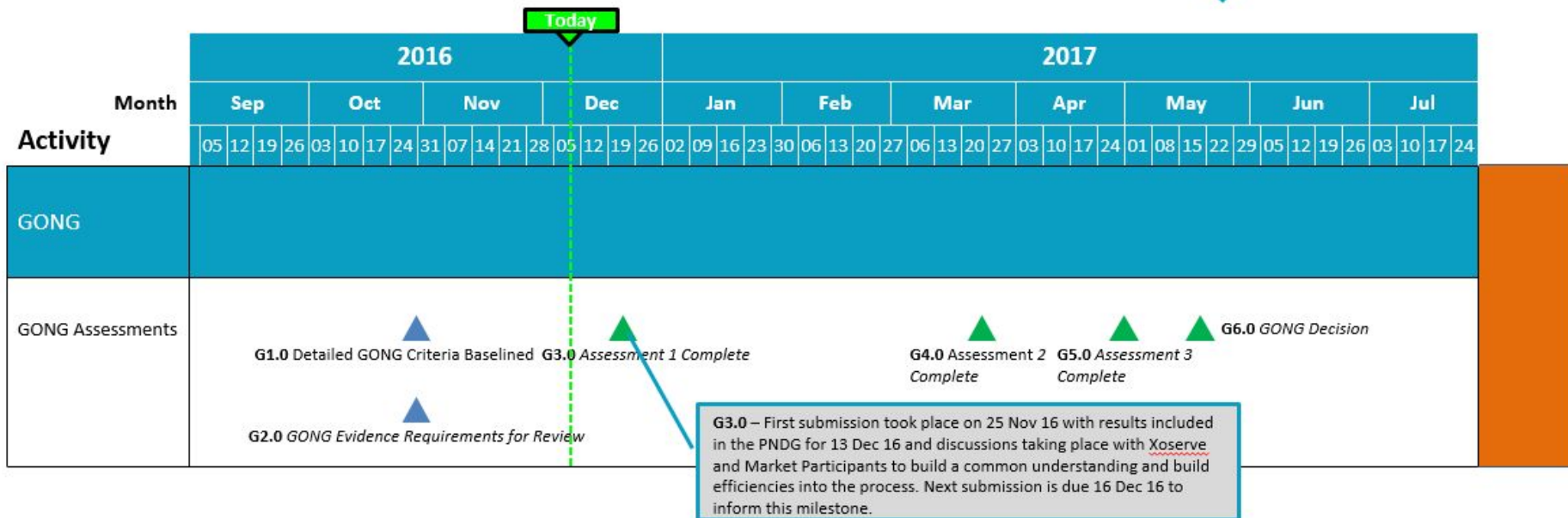
- Achievements since last PNDG:**
- The communications subgroup have developed a draft set of communications. These are to be issued to TPG distribution group for review by 09 Jan 17.
 - The Hypercare Group have constructed an initial draft of the industry support model.
 - IDRO Approach (T1.1) has been shared with the Industry and walked through at TPG to allow volunteers to put themselves forward to attend the IDRO session.

Remediation Action:
 To return to a Green RAG status, the length of the NED period needs to be confirmed at UNC to allow for Transition documentation to be updated. There is also a requirement by Xoserve to produce a document (due on 08 Dec 16) detailing the pros and cons of increasing the NED length so that TPG can confirm they are happy with the recommendation. For inflight processes, further testing of the data and the processes is being carried out by Xoserve and is due to be completed by 27 Feb 17. To provide further confidence, Xoserve have committed to providing a session covering inflights at an upcoming TPG in February.

- Upcoming activities:**
- Contingency Planning Working Group due to meet on 14 Dec 16. This session will complete the identification of incidents that could occur during cutover.
 - Hypercare draft document due to be released to Market Participants for review and comment on 16 Dec 16.
 - The next TPG (20 Dec 16) will walkthrough the updated 21 day cutover plan and preview the external dashboard to be used for IDR2 (T1.5).
 - Preparation of catch up batch principles in readiness for 20 Dec 16.

- TPG Key Messages:**
- The Data Workstream have provided an initial view of the iGT data migration. The results have lead Xoserve to recommend an increase in the NED period from 7 to 9 days. TPG would like to have confidence that there will be no further changes to the NED period before agreeing to the recommendation. Xoserve are producing a paper to be circulated on 09 Dec 16.
 - Draft third party communications have been developed and issued to the TPG distribution list. TPG have by 09 Jan 17 to make any review comments.





GONG 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

GONG Status Report

Project Nexus: As @ 08 Dec 16 Sponsor: Jon Dixon PMO: Melisa Findlay End Date: 01 Jun 17	RAG Status	GONG	Workstream Status:  Programme Trend:  Since: 29 Nov 16
	Overall		
	Xoserve	Pending	
	Baringa <small>view of Xoserve</small>	Pending	
	Participants		

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.

Overall RAG Commentary:
 RAG status is rated as Amber / Green. 31 of 43 Market Participants and Xoserve made a GONG assessment (G1) submission by 04 Dec 16 and initial analysis has been completed. 49% of all criteria were reported as Green. However, key areas of concern around iGT data and the finalisation of the draft Low Level Transition Design (LLTD) have been raised which drives the amber element of the status. These areas need additional focus prior to the G1 milestone on 22 Dec 16 to provide confidence that mitigation plans are in place prior to G2 (24 Mar 17).

- Achievements since last PNDG:**
- 31 of 43 Market Participants and Xoserve made a Nexus Assurance Portal Submission for GONG assessment G1.
 - Follow up calls held with 12 Market Participants to discuss GONG Portal submission to clarify their position and understand their reported RAG statuses.
 - GONG Dashboard has been developed to support consistent reporting.
 - Adjustments to clarify RAG definitions and assessment thresholds made as a result of feedback received at the face to face PNDG on 23 Nov 16.

- Remediation Action:**
- Review detailed GONG submissions with TPG and DMG chairs prior to next working sessions to identify any additional remedial actions required around iGT data and the LLTD above those already captured.
 - Work with Market Participants and Xoserve to refine the GONG RAG definitions and threshold descriptions.
 - Plan an intermediate GONG submission is required on 27 Jan 16 due to the long gap between G1 and G2. This is to be discussed at PNDG and proposed at PNSG on 09 Jan 16.

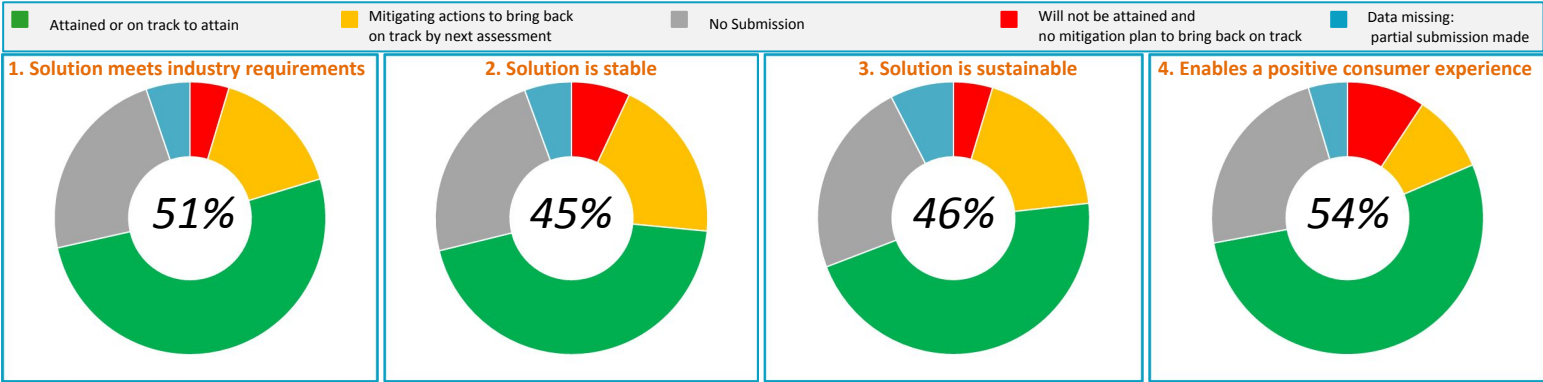
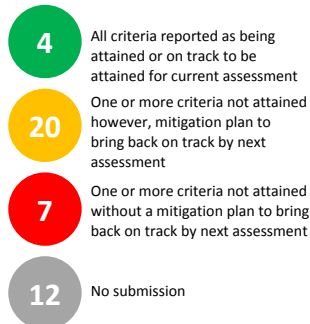
- Upcoming activities:**
- Re-communicate RAG definitions to PNDG adding clarity where required.
 - Review the assessment threshold definitions to verify alignment with the industry plan following the first submission.
 - Continue to work with Market Participants and Xoserve in advance of the final G1 submission on 16 Dec 16.
 - Continue to review supporting evidence where it has been provided.
 - Develop the content to support the PNSG on 19 Dec 16.

Key Messages:
 Feedback from the face to face PNDG was positive in regard to the GONG framework. However some refinements to RAG definitions and assessment thresholds are required to support future assessments. For example criteria 2.7 asks Market Participants to develop their cutover plans however this requires the Low Level Transition Design to be finalised which does not happen until 20 Jan 16.

GONG G1 Dashboard – Market Participants

Based on self assessment for G1: As @ 02 Dec 16

Participant Overall RAG



Ref	Success Factor	Desired outcome	02 Dec	16 Dec	G2 Forecast	Comments
1	Solution meets industry requirements	<ul style="list-style-type: none"> Market Participant and Xoserve confidence is high High Quality data migration processes Critical processes have been proven through MT Integrated market-wide system cutover plan Clear requirement traceability 	↔	TBC	TBC	<ul style="list-style-type: none"> 16 Market Participants reported Red or Amber relating to the the draft LLTD. Key issues reported include; the level of activity required to finalise the plan prior to 20 Jan 16, the lack of assumptions linking to the 21 day plan and files missing from the plan (ILL). These areas are being addressed at the TPG and once complete should improve confidence in this area. Concern around iGT data migration progress was also raised. This is being investigated at DMG and involves activity between iGT's, Shippers and Xoserve.
2	Solution is stable	<ul style="list-style-type: none"> System performance can support the industry Disaster recovery/business continuity Dress rehearsals provide confidence 	↔	TBC	TBC	<ul style="list-style-type: none"> Non-functional testing was forecast to have commenced at the G1 assessment. Submissions suggest this does not align to Participants plans which start this activity in 2017. Market Participants and Xoserve reported that they can not finalise draft internal cutover plans until the finalisation of the Low Level Design (20 Jan 16). The thresholds maybe revised in this area.
3	Solution is sustainable	<ul style="list-style-type: none"> Documentation in place and knowledge transfer activity is complete Industry change management and release plans Contingency options and cutover governance established and hypercare processes agreed 	↔	TBC	TBC	<ul style="list-style-type: none"> 17 Market Participants reported as 'red' or 'amber' relating to the clarity over cutover governance. This will reported to the TPG and the thresholds may also be reviewed for future assessments. Clarity around 3.4 – Post Go Live Release Plan is required to improve Market Participants understanding of this criteria and support accurate reporting in future assessments.
4	Enable a positive consumer experience	<ul style="list-style-type: none"> No impacts on energy industry reputation Market SLA's defined and measured Participants readiness is established 	↔	TBC	TBC	<ul style="list-style-type: none"> A different interpretation of the criteria around Organisational structure review has been taken across the market. Further work is required to understand whether the application of the RAG status' has been made correctly and to understand the level of risk in this area

Legend: ▲ Improving Confidence | ▼ Deteriorating Confidence | ↔ No change

GONG G1 Dashboard – Market Participants

	Impact assessment of data rules	C1/C2 processes built and tested in fit	C3 processes built and tested in fit	Cutover plans aligned to LLTD design	Non-functional testing	Process to manage cutover	Business continuity and disaster recovery	Detailed system cutover plan	Non-compliant data	Business process documentation	Knowledge transfer	Post go-live release plan	Cutover governance defined	Organisational structure review
Constituency	1.4	1.6	1.7	1.8	2.1	2.2	2.3	2.4	2.7	3.2	3.3	3.4	3.6	4.3
Large Supplier 1	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
I&C 3	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
I&C 9	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
GT 5	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IGT 2	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
Challenger 13	Green	Green	Green	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
Challenger 10	Green	Green	Green	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
Challenger 14	Green	Green	Green	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
Large Supplier 2	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Yellow	Green	Green	Green	Yellow
IGT 4	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
Challenger 1	Green	Green	Green	Green	Green	Green	Green	Green	Blue	Green	Green	Green	Green	Green
GT 2	Red	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green
GT 3	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
GT 4	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
Challenger 12	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
I&C 2	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
Large Supplier 3	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
I&C 10	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
I&C 11	Green	Green	Green	Green	Green	Green	Green	Green	Blue	Green	Green	Green	Green	Green
Large Supplier 4	Green	Yellow	Green	Red	Green	Green	Green	Red	Green	Green	Green	Green	Yellow	Green
Large Supplier 5	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
GT 1	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
Challenger 8	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
IGT 1	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
Challenger 7	Green	Green	Green	Green	Red	Red	Red	Green	Green	Green	Green	Red	Green	Red
Challenger 2	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
I&C 5	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Blue	Green	Green
Large Supplier 6	Red	Yellow	Green	Red	Green	Green	Green	Red	Red	Red	Green	Green	Yellow	Red
I&C 1	Green	Green	Green	Green	Red	Green	Green	Red	Red	Red	Red	Red	Green	Red
IGT 5	Green	Yellow	Blue	Green	Green	Green	Green	Green	Green	Blue	Blue	Blue	Green	Green
Challenger 3	Red	Red	Red	Yellow	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red

Key messages

31 Market Participants provided a RAG status self assessment against the G1 criteria. The key themes can be summarised as:

- Cutover** – Criteria 1.8, 2.4 and 3.6 relate to cutover planning or governance. These areas saw the highest number of Market Participants reporting as Red and Amber. Key issues include; The level of activity required to finalise the LLTD before 20 Jan 16 to enable participants to commence their cutover planning; the lack of assumptions linking to the 21 day plan to LLTD and that certain files are missing (IIL) from the plan. In addition, the thresholds for 2.4 and 3.6 need to be clarified. For example, Market Participants are unable to draft their cutover plans until the LLTD is finalised (20 Jan 16) and the catch up batch schedule is issued by Xoserve.
- Data** - Criteria 1.4 and 2.7 have a high number of Red and Amber status'. Specifically criteria 2.7 which relates to the impact of non-compliant data. Concerns reported revolve around iGT data and the lack of an industry wide test of data transformation. These areas are currently being addressed through the Data Management Group, Xoserve and in some elements of MTR testing. In addition a detailed data questionnaire is being developed to understand progress in data activity in more detail across the market.
- Non-functional testing** – Criteria 2.1 considers elements such as performance testing and security testing. 13 Market Participants reported Amber or Red for the G1 assessment which expects Market Participants to have commenced testing in this area however, participant plans have scheduled this to start in 2017.
- Interpretation of RAG Status has been inconsistent across the market. Definitions will be clarified prior to the next submission.

■ Attained or on track to attain
 ■ Will not be attained and no mitigation plan to bring back on track
 ■ Data missing – partial submission made
 ■ Mitigating actions to bring back on track by next assessment
 ■ No Submission

*Note numbers are not sequential as not all criteria are applicable

GONG G1 Dashboard – Xoserve

Based on Xoserve self assessment for G1: As @ 25 Nov 16

Improving Confidence
 Deteriorating Confidence
 No change

Overall RAG

One or more criteria not attained however, mitigation plan to bring back on track by next assessment

- Attained or on track to attain
- Mitigating actions to bring back on track by next assessment
- Will not be attained and no mitigation plan to bring back on track

RAG by Criteria

	1.2	1.3	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.6	3.1	3.2	3.3	3.4	3.5	3.6	3.7	4.2	4.3
Xoserve																						
	Meets Industry Requirements							Solution is Stable						Sustainable					Consumer exp.			

Ref.	Success Factor	Desired outcome	02 Dec	16 Dec	G2 Forecast	Comments
1	Solution meets industry requirements	<ul style="list-style-type: none"> Xoserve and Participant confidence is high High Quality data migration processes Critical processes have been proven through MT Integrated market-wide system cutover plan Clear requirement traceability 		TBC	TBC	<ul style="list-style-type: none"> The data activity relating to Delta test loads (which are required for IDR2) remains on track ahead of 22 Dec 16 - G1 assessment. The LLTD has been drafted and communicated at the TPG. The industry continue to review this with a view to finalise on 20 Jan 16. Preparatory work for MTR remains on track and largely reliant on timely information being received from participants.
2	Solution is stable	<ul style="list-style-type: none"> System performance can support the industry Disaster recovery/business continuity Dress rehearsals provide confidence 		TBC	TBC	<ul style="list-style-type: none"> There is a requirement to conclude work on in-flights and iGT migration test cycles prior to IDR2 and as a result Xoserve are reporting as Amber in this area. Data acceptance criteria need to be finalised to support the assessment of the materiality of defects and inform a decision making concerning the 'production readiness' of each data source. PT and GDT run 1 complete.
3	Solution is sustainable	<ul style="list-style-type: none"> Documentation in place and knowledge transfer activity is complete Industry change management and release plans Contingency options and cutover governance established and hypercare processes agreed 		TBC	TBC	<ul style="list-style-type: none"> Hyper care approach approved and relevant industry detail shared via TPG. Engagement with TPG has begun concerning post go-live deployments / release management.
4	Enable a positive consumer experience	<ul style="list-style-type: none"> No impacts on energy industry reputation Market SLA's defined and measured Participants readiness is established 		TBC	TBC	<ul style="list-style-type: none"> Day 1 Readiness activities are progressing to plan. Day 1 Op model is defined and training plans are in place to ready operational resources.

*Note numbers are not sequential as not all criteria are applicable

Update on RIAG Session

Meeting on 01 Dec 16

1. Plan Status Update
2. PNDG Feedback from F2F
3. NED and VNBD Modification

Key Milestones Impacted

1. Project Nexus Implementation Date (T3.3)
2. Revised LLTD Final (T2.4)

Relevant GONG Success Factors

1. High levels of Xoserve and Market Participant Confidence.
2. Integrated market-wide system cutover plan agreed and communicated.
3. System performance (including response time is sufficient to support industry volumes, key operations requirements (Gas Day testing) and file sizes.
4. No impacts on energy industry reputation.
5. Market SLAs defined, measured and achieved.

Theme – PNDG Feedback as well as Non-Effective Days and Variant Non-Business Days

Determined forward agenda for RIAG

Reflected on feedback from PNDG breakout session

- Focus on go-live readiness.
- Future agendas will align to this focus.
- Cognisant of other working group scope/focus and avoiding duplication.

Approach to get to a decision regarding the 7 or 9 NEDs

- Needs to be based on the performance responses.
- Needs to be rational and reasonable.
- Needs certainty as soon as possible.
- Need to consider all risks around transition timelines, not just those for the iGT data load.
- Decision timeline.
 - TPG initial view (06 Dec 16).
 - UNC working group (12 Dec 16).
 - Formal decision into PNDG (13 Dec 16).
- Steer with regards to urgent versus normal MODs, may need to consider this urgent given 20 Jan 17 date for LL Transition Design (T2.4).
- Self-governance is not appropriate for this MOD as there is an impact switching.
- Recognised impact to switching if 9 days.
- Mitigation includes management of the catch-up – this is being considered at TPG.

Future RIAG Agendas

Meeting on 15 Dec 16

1. Environment initial discussion
2. Code Stability dashboard
3. Assumptions initial review

Key Milestones Impacted

1. Project Nexus Implementation Date (T3.3)
2. MT Code Stability (MT2.4)

Relevant GONG Success Factors

1. High levels of Xoserve and Market Participant Confidence
2. High quality data and data migration processes
3. Organisational structure developed to support the new processes and systems
4. Ongoing data governance processes and release plans are defined and operational
5. No impacts on energy industry reputation

Future Agendas 2017

19 January

- CMA
- Inflight transactions

2 February

- Risk log refresh with input from working group discussions (conducted ahead of time)
- Assumptions deep dive

16 February

- Disengaged Market Participants and new market entrants framework

2 March

- Assumptions check in
- Project Nexus in wider industry

16 March

- Defect/Test post go live (post MTWG)

30 March

- Assumptions check in
- Change overview board check in

13 April

- Free

27 April

- Assumptions check in
- Change overview board check in

11 May

- Free

25 May

- Change overview board check in

Summary of Risks and Issues


#	ID	Milestone Date	Description	Mitigation Action	Mkt Part.	Xoserve	PwC	Other	Rating
1	R063	MT1.4 11 Nov 16	Final MT defect position does not meet MT Exit criteria and therefore MT cannot be exited as per planned timescales.	A123 A152	☒	☒	☒		12
2	I021	MT2.5 09 Jan 17	Mkt Part. are not clear on the pipeline/content of all changes, remaining functionality or defect fixes to be released and tested.	A155		☒			12
3	R069	MT2.5 09 Jan 17	High number of defects during the MTR phase, may result in suspending the test phase.	A158 A159 A169				PNSG, MTWG	12
4	R068	MT2.6 24 Mar 17	Pace of testing within MTR does not allow for testing to be completed by the planned date of (MT2.6 - MTR complete).	A157				MTWG	12
5	R070	MT2.6 24 Mar 17	A lack of understanding of businesses process may cause an increase in incorrectly raised defects / queries.	A161		☒	☒		12
6	R058	MT2.4 Check with Xoserve	Risk that code stability will not be achieved.	A165 A170		☒		MTWG	12
7	R071	T3.3 01 Jun 17	<div style="float: right; border: 1px solid red; border-radius: 50%; padding: 2px; color: white; font-weight: bold;">NEW</div> <p>There is a risk around the generation and delivery of the IIL file to iGTs.</p> <p>(i) There is a risk that Xoserve will be unable to generate an IIL file on Go-Live.</p> <p>(ii) There is a risk that the IIL file for iGTs is generated but data fails validation.</p> <p>(iii) There is a risk that the IIL file for iGTs is generated successfully, but there is insufficient time for iGTs to validate the file and load the data.</p> <p>(iv) There is a risk that the IIL file for iGTs is generated successfully, but Xoserve unable to transfer to iGTs via IX.</p>	A174 A175 A176 A177		☒		TPG	12

RAG Rating Legend:







<p>■ Significant risk / issue that requires urgent attention. Immediate escalation to governance group with recommended action plan. Control at source</p>	<p>■ Risk / Issue that requires swift resolution. Programme/project milestones, budget or quality are impacted but at edges of tolerance.</p>	<p>■ Medium risk / issue where we are comfortable that the concern is manageable and that the mitigations options being reviewed will address the problem</p>	<p>■ Decision to be made</p> <p>■ Risk / Issue that has a low impact on programme/project tolerances. These risks will be tracked</p>
--	--	--	--

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.

Summary of Risks and Issues

#	ID	Milestone Date	Description	Mitigation Action	Mkt Part.	Xoserve	PwC	Other	Rating
8	R072	T3.3 01 Jun 17	 There is a risk that disjointed testing of IDL/IQL in MT has sufficiently tested the delivery of IDL/IQL files. Further, delivery outside of IX does not represent the likely production solution meaning this has not been tested at production volumes.	A178		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		12
9	R059	T3.3 01 Jun 17	Files/reports that have not undergone functional changes, but are produced by the new Xoserve SAP UK Link system will not be tested.	A138(ii)		<input checked="" type="checkbox"/>			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	 Decision to be made	 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.
---	--	--	---	---	--

Action Log

Action #	Action	Progress	Owner	Status	Due	Forum
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 MTR plans. Where participants do want to include files/reports in MTR plans they need to provide a rationale as part of their entry submission.	This work is ongoing and will be shared with the industry by 30 Nov 16. The due date has been updated to reflect this.	Xoserve		26 Sep 16 → 28 Sep 16 → 05 Oct 16 → 14 Oct 16 → 26 Oct 16 → 30 Nov 16	MTWG
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.	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. CR has now been initiated and is pending an update.	Xoserve		04 Nov 16	PNDG
A147	Xoserve to define the delivery options for CR176 . DMSP will assess the impact of the delivery options against the MT delivery phases in the new industry plan.	A meeting has been held with DMSPs. CR176 functionality was delivered for testing on 5 Nov 16. Support will be provided up to 30 Nov 16. PROPOSE TO CLOSE	Xoserve and DMSP		25 Nov 16	MTWG
A157	At the end of MT managed approach there is a need to review the approach to MTR testing to consider how the phase should be managed (e.g., follow a similar approach to the Managed MT phase).	Face to Face MT Lessons Learnt Session took place 23 Nov 16 and learnings have been applied to MT Regression approach. PROPOSE TO CLOSE.	MTWG RIAG		30 Nov 16	RIAG

Action Log

Action #	Action	Progress	Owner	Status	Due	Forum
A159	Review approach to monitor defect levels and resolution progress through MTR.	Face to Face MT Lessons Learnt Session took place 23 Nov 16 and learnings have been applied to MT Regression approach. PROPOSE TO CLOSE.	MTWG		30 Nov 16	RIAG
A161	Xoserve to provide analysis into the reasons that they reject defects and send to project managers and PM to discuss with their org.	PROPOSE TO CLOSE	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. The due date has been updated in line with the proposed Lessons Learned session for Market Trials prior to regression testing. PROPOSE TO CLOSE.	MTWG/ Xoserve		12 Oct 16 → 16 Nov 16 → 21 Nov 16	PNSG
A169	MTWG to develop a plan to manage a test suspension should a high number of defects occur in MTR testing.	In progress. PROPOSE TO CLOSE.	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.	In progress. PROPOSE TO CLOSE.	Xoserve		30 Nov 16	RIAG
A179	Provide an update to Open Xoserve UAT Defect Status figures (chart on Solution Delivery slide of PNDG) with a brief explanation of the increase seen in mid-October and November.	Update to be provided at PNDG	Xoserve		18 Nov 16	PNDG
A180	Provide detail on the new Delta Data approach being used by Xoserve in the Face to Face PNDG, outlining how this is expected to identify and fix defects earlier.	Completed at PNDG on 29 Nov 16. PROPOSE TO CLOSE.	Xoserve		24 Nov 16	PNDG

Action Log

Action #	Action	Progress	Owner	Status	Due	Forum
A181	Provide a date when Market Participants will know the final set of defects after the auto-validation run.		Xoserve		24 Nov 16	PNDG
A183	For outstanding test lines from Managed Market Trials, provide detail of the residual test activity on an anonymised basis to PNDG.	Proposing to change date to 15 Dec 16 to align with distribution of next PNSG pack.	PwC		01 Dec 16 → 15 Dec 16	PNSG
A186	Determine whether to add additional milestones for in-flight testing.		Xoserve		12 Dec 16	PNDG
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.	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.	Xoserve, PwC and Market Participants		23 Dec 16	Market Trial Problem Solving Session
A174	Xoserve to consider delivery of IIL file for testing prior to Go Live, with consideration given to whether it is possible to deliver as part of Regression Testing or as part of IDR2		Xoserve		22 Dec 16	PNDG
A182	Baringa to provide a view on the attainment of Xoserve code stability at MT2.4.	This will inform the PNSG scheduled for 09 Jn 16.	Baringa		06 Jan 17	PNSG
A184	Seek input from Market Participants on their availability to shift with a change of programme go live date (only if needed) on 19 Nov 16, 23 Dec 16, 27 Jan 17 in line with enactment of contingency checkpoints. Request also rationale for above and also 'latest shift date'.	31 Jan 17 has been agreed to be the latest shift date. PROPOSE TO CLOSE.	PwC		18 Dec 16	PNSG
A185	Provide detail on the two open UAT defects with high criticality.		Xoserve		13 Dec 16	PNDG
A187	Determine whether business scenarios can be issued further in advance of IDRO.		PwC		20 Dec 16	PNDG

Appendices

#	Title	Slide
1	Meeting Governance	29
2	Baringa CSA Programme Report	30 - 32
3	Code Stability	33 - 34
4	Disclaimer	35
5		
6		
7		
8		
9		

Governance: Meetings

RIAG Meeting Focus

15 Dec 16	19 Jan 17	02 Feb 17	16 Feb 17	02 Mar 17
<ul style="list-style-type: none"> TBC 	<ul style="list-style-type: none"> CMA Inflight transactions 	<ul style="list-style-type: none"> Risk log refresh with input from working group discussions (conducted ahead of time) Assumptions deep dive 	<ul style="list-style-type: none"> Disengaged Market Participants and new market entrants framework 	<ul style="list-style-type: none"> Assumptions check in Project Nexus in wider industry

PNDG Meeting Focus

13 Dec 16	17 Jan 17	31 Jan 17	14 Feb 17	14 Mar 17
<ul style="list-style-type: none"> Programme Update Workstream Update Code Stability 	<ul style="list-style-type: none"> Programme Update Workstream Update 	<ul style="list-style-type: none"> Programme Update Workstream Update 	<ul style="list-style-type: none"> Programme Update Workstream Update Proposed Face to Face session 	<ul style="list-style-type: none"> Programme Update Workstream Update

PNSG Meeting Focus

19 Dec 16	09 Jan 17	1 Feb 17 (TBC)	20 Feb 17	29 Mar 17 (TBC)
<ul style="list-style-type: none"> Programme Update Workstream Update 	<ul style="list-style-type: none"> INTERIM GONG Assessment 1 Contingency Checkpoint 2 	<ul style="list-style-type: none"> Programme Update Workstream Update Contingency Checkpoint 3 	<ul style="list-style-type: none"> Programme Update Workstream Update 	<ul style="list-style-type: none"> Programme Update Workstream Update GONG Assessment 2

PNSF Meeting Focus

Jan 17 (TBC)	Apr 17 (TBC)
<ul style="list-style-type: none"> Contingency Checkpoint 3 	<ul style="list-style-type: none"> Programme Update Workstream Update



CSA Programme Board Report

UK Link Programme

Client: Xoserve

Date: 07/12/16

Version: V0.3

Reputation built on results

Executive Summary

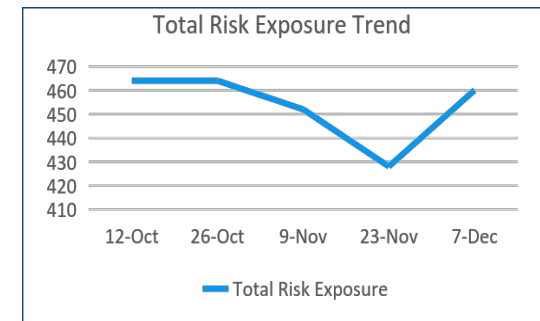
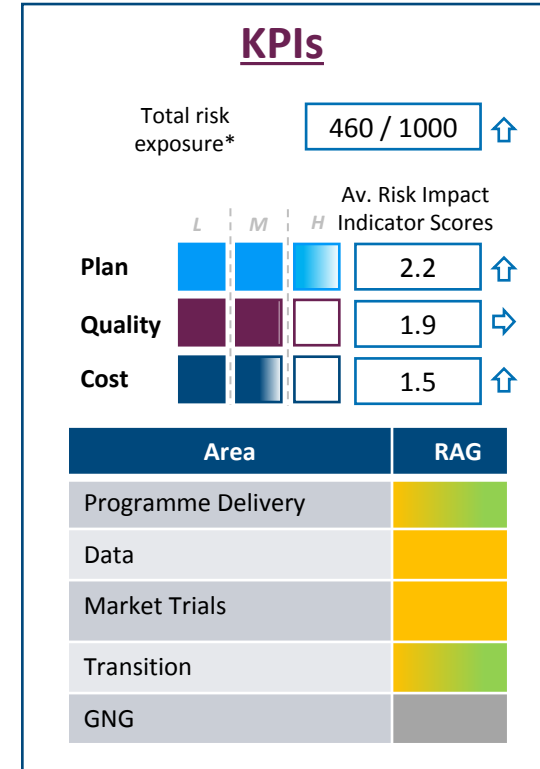
- ▶ The programme status remains GREEN / AMBER this period albeit with an increase in the overall risk profile
- ▶ Progress towards code stability is still on track and is being closely monitored. Phase 1 of Gas Day Testing has also completed to plan with positive results
- ▶ Key changes this period include an increasing Data workstream risk profile, and a move in status for Transition from Green to Green/Amber

KEY RISK AREAS

- ▶ Programme Delivery – Lack of confirmed plans for residual Performance Test activity (BW extraction routines & residual PT exit report defects)
- ▶ Data – The Programme has seen a higher than expected number of Delta load defects, lack of clear approach for resolving defects that cannot be fixed ahead of Bulk Load 2, and acceptance criteria have still not been agreed
- ▶ iGT migration solution – Initial TC4 results indicate a need to continue developing NED related contingency options
- ▶ Market Trials – A number of functional defects exist, with fix dates getting closer to the start of MTR Testing
- ▶ Transition – Lack of confirmed delivery plans for In-flight transactions

KEY MITIGATION ACTIONS

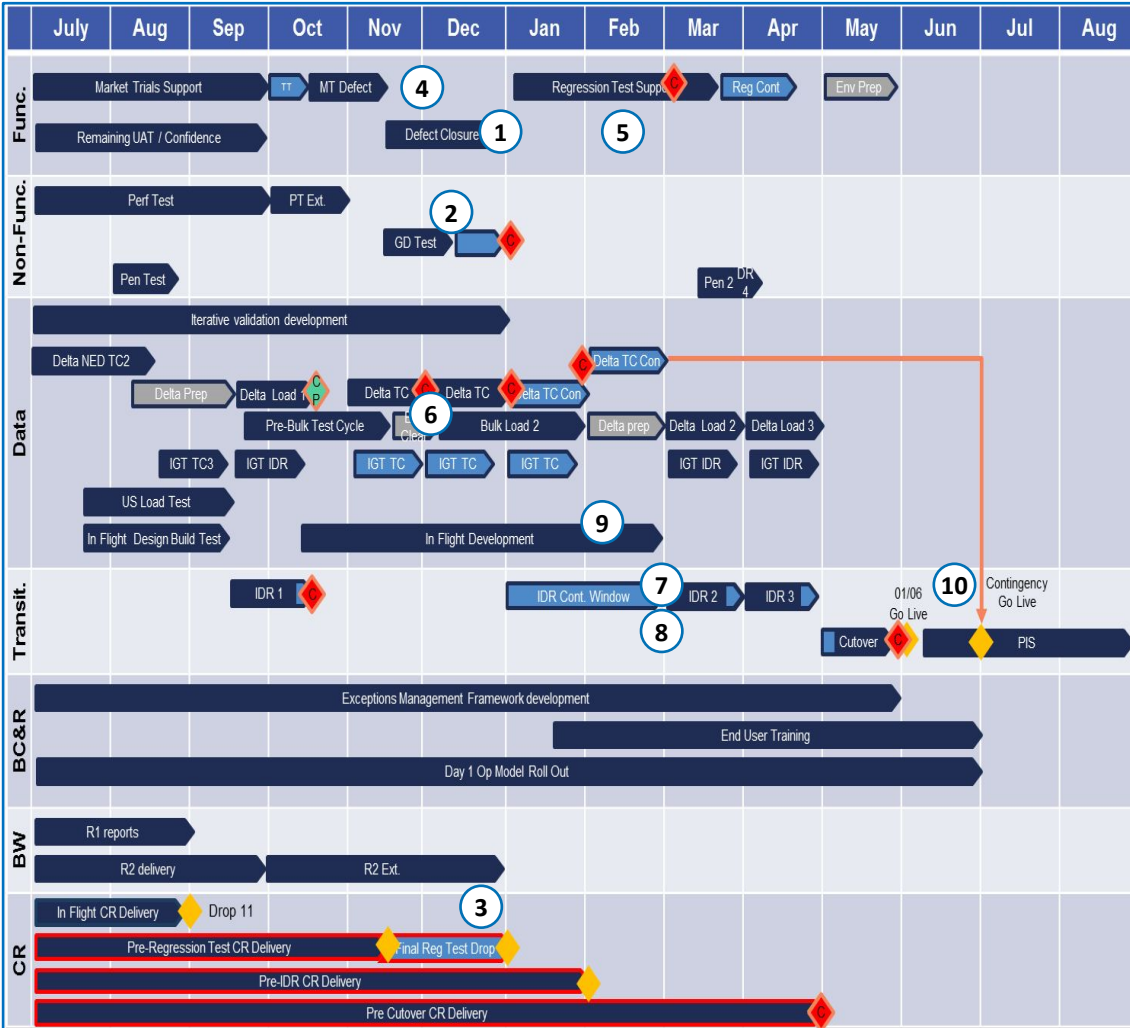
- ▶ Continue understanding the impacts of a NED window extension to accommodate iGT migration timings
- ▶ Execute scenario planning to understand options for resolving Bulk defects post bulk load
- ▶ Baseline delivery plan for in-flight transactions and residual Performance Test activities and incorporate appropriate milestones into the central programme plan



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



ID	Risk Description
#01	Critical defects (Reconciliation invoicing, plus Back Billing) persist and therefore a risk to code stability remains albeit the defect burndown rate is trending positively
#02	Overall non functional test close out – a definitive plan is still outstanding for residual NFT activities
#03	CR delivery - There is a risk that parallel delivery pressures will impact the delivery of CRs that are required to achieve go-live readiness. Code stability CRs remain on track
#04	Resource assignment & levelling – Current resource mgmt. processes are inadequate to confirm the required Programme resource profile or respond to demand effectively across programme resource types
#05	Environment plans for the remainder of Programme and beyond need review to ensure that all activities are adequately covered (e.g. Smart integration test, R2)
#06	Auto validation – The full solution will not be available ahead of Bulk Load 2 leading to a lack of quantification of the true number of data defects, and a reduced ability to assure data quality ahead of go live
#07	iGT migration solution – The findings from IDR1 and iGT TC4 indicate that the current iGT migration approach is unlikely to meet the required 2 day SLA
#08	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
#09	In flight transaction delivery - IDR1 only tested a subset of inflight transactions yet identified a high volume of defects. A clear plan/approach for completion of residual scope needs publication
#10	Day 1 Exceptions Handling – There is a risk that Xoserve is underprepared to handle 'Day 1' exceptions, leading to SLA breaches

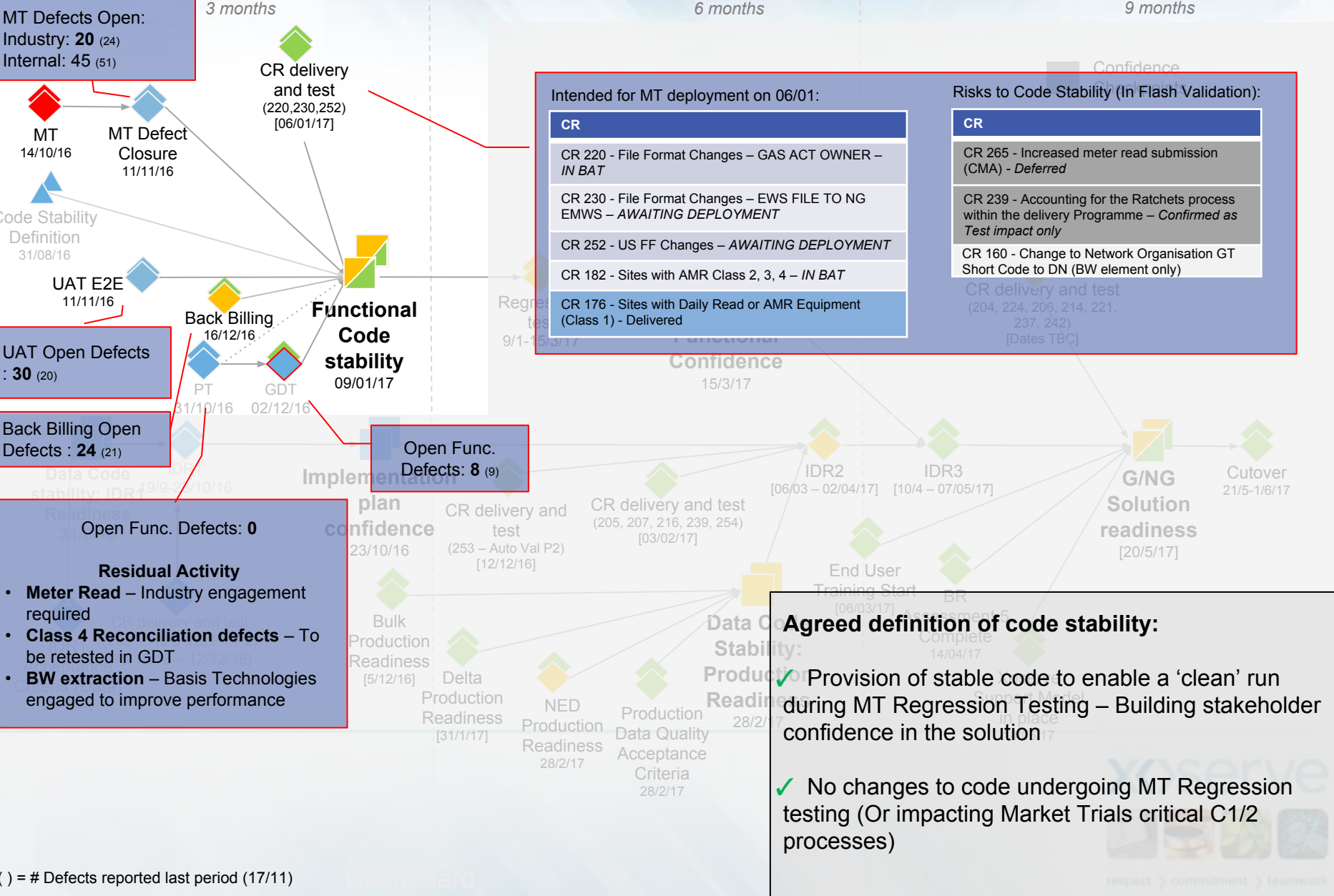
Code Stability

ofgem

Code Stability - Confidence Check Points

(Against June 2017 – Plan v3.7.3 06/12/16)

Discuss



MT Defects Open:
 Industry: **20** (24)
 Internal: **45** (51)

UAT Open Defects
 : **30** (20)

Back Billing Open Defects
 : **24** (21)

Open Func. Defects: 0

Residual Activity

- **Meter Read** – Industry engagement required
- **Class 4 Reconciliation defects** – To be retested in GDT
- **BW extraction** – Basis Technologies engaged to improve performance

Intended for MT deployment on 06/01:

CR
CR 220 - File Format Changes – GAS ACT OWNER – <i>IN BAT</i>
CR 230 - File Format Changes – EWS FILE TO NG EMWS – <i>AWAITING DEPLOYMENT</i>
CR 252 - US FF Changes – <i>AWAITING DEPLOYMENT</i>
CR 182 - Sites with AMR Class 2, 3, 4 – <i>IN BAT</i>
CR 176 - Sites with Daily Read or AMR Equipment (Class 1) - <i>Delivered</i>

Risks to Code Stability (In Flash Validation):

CR
CR 265 - Increased meter read submission (CMA) - <i>Deferred</i>
CR 239 - Accounting for the Ratchets process within the delivery Programme – <i>Confirmed as Test impact only</i>
CR 160 - Change to Network Organisation GT Short Code to DN (BW element only)

CR delivery and test (204, 224, 206, 214, 221, 237, 242) [Dates TBC]

Agreed definition of code stability:

- ✓ Provision of stable code to enable a 'clean' run during MT Regression Testing – Building stakeholder confidence in the solution
- ✓ No changes to code undergoing MT Regression testing (Or impacting Market Trials critical C1/2 processes)

() = # Defects reported last period (17/11)

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.