

Project Nexus Delivery Group [PNDG] Status Report [Lite]

15 November 2016

Covering the period: 28 Oct 16 – 10 Nov 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					Omitted from this report
Baringa <small>(view of Xoserve)</small>					Omitted from this report
Participants	N/A				Omitted from this report

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 |
 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 the baseline plan of 01 Jun 17, the RAG rating of the programme has improved to Amber / Green which reflects the anticipated exit of Market Trials (with caveats) as of the 11 Nov 16.

Solution Delivery: The Green element of the rating reflects the successful closure of performance testing (with a small set of residual activities required). The Amber element reflects that delivery of code stability for regression testing which remains on the critical path.

Market Trials: 11 of 26 Market Participants engaged in managed MT have completed testing, achieving a total of 17 completed. The PNSG will consider the exit of Market Trials and associated caveats surrounding continued defect support and the resolution of any remaining pre-identified defects. Any residual defects are to be analysed to determine those requiring fixing and deployment.

Data: Continues to be rated as Amber. However there has been a positive outcome of IDR1. Those elements driving the status are the continued risks to delta load and data cleanse and reconciliation activities.

Activities since last PNDG:

- Successful output of co-located Xoserve/Wipro team supporting offshore testing.
- Additional Market Participants completing managed MT.
- IDR1 lesson learned sessions.
- Initial GONG evidence criteria on portal.

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 existing 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: Please see following slide outlining the indicative Ofgem decision for the exit of Market Trials.

Upcoming activities:

- Exit Market Trials and review the final defect position, defining plans for incomplete test lines and post 11 Nov 16 activity.
- Xoserve aim to include outstanding fix and retest activities against current Gas Day Testing delivery plan.
- Further In-flight transaction variants for GT/iGT /US to undergo testing and defect resolution.

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 complete cycle of delta testing in January. Ways of working for iGT data reconciliation are agreed and tracking will be put in place to manage completion.

MT Exit - Indicative Decision

Background: On the 11 Nov 16, Project Nexus is due achieve the realisation of milestone **MT1.5** Market Trials Exit. To provide transparency and maintain momentum with the programme, but also recognising a decision has yet to be taken, **Ofgem anticipate making an indicative decision to exit Market Trials on 11 Nov 16**, in line with the current plan. To do so, there are a number of assumptions that Ofgem expect market participants to work to in the coming days / weeks, so that parties can plan ahead, particularly for those who are continuing to complete the final parts of their test plans. Ofgem's emerging view is based on a first cut of analysis by PwC of the 04 Nov 16 portal submission and further discussions held with participants this week and is subject to change. It suggests there are not significant market wide risks to exiting Market Trials. **Ofgem will confirm their indicative decision with market participants on 11 Nov 16, which will be subsequently discussed at PNSG on 21 Nov 16.** This slide sets out what exactly this means for Market Participants, and details the process for finalising this decision.

Defects

1. Xoserve will continue to fix, where possible, open defects (logged before 11 Nov 16) to support the Code Stability checkpoint and entry to Regression Testing. However, there will be more detailed scrutiny of each defect to determine whether a fix is required for go-live or whether the defect is a candidate for a work-round.
2. Once these defects are resolved market participants will be informed through the normal process and impacted organisations can elect whether they wish to test these defects prior to Regression Testing or wait until Regression Testing.
3. Post 11 Nov 16 no new defects will be investigated.
4. However, organisations will continue to be able to log defects through the normal Xoserve service desk. As stated above these will not be investigated prior to Regression Testing.

Residual Testing

1. Market Participants can continue to test however there will be no support from Xoserve on defect resolution or queries beyond the exceptions identified below.
2. There will be some downtime with respect to the testing environment, which will be communicated by Xoserve to market participants in the normal manner.
3. Scheduled outgoing files will continue. This excludes Invoices (Charge Value and Supporting Information Files) and the LPA files where an LPA catch up will be provided prior to Regression.
4. Response files will continue to be sent.

Exceptions

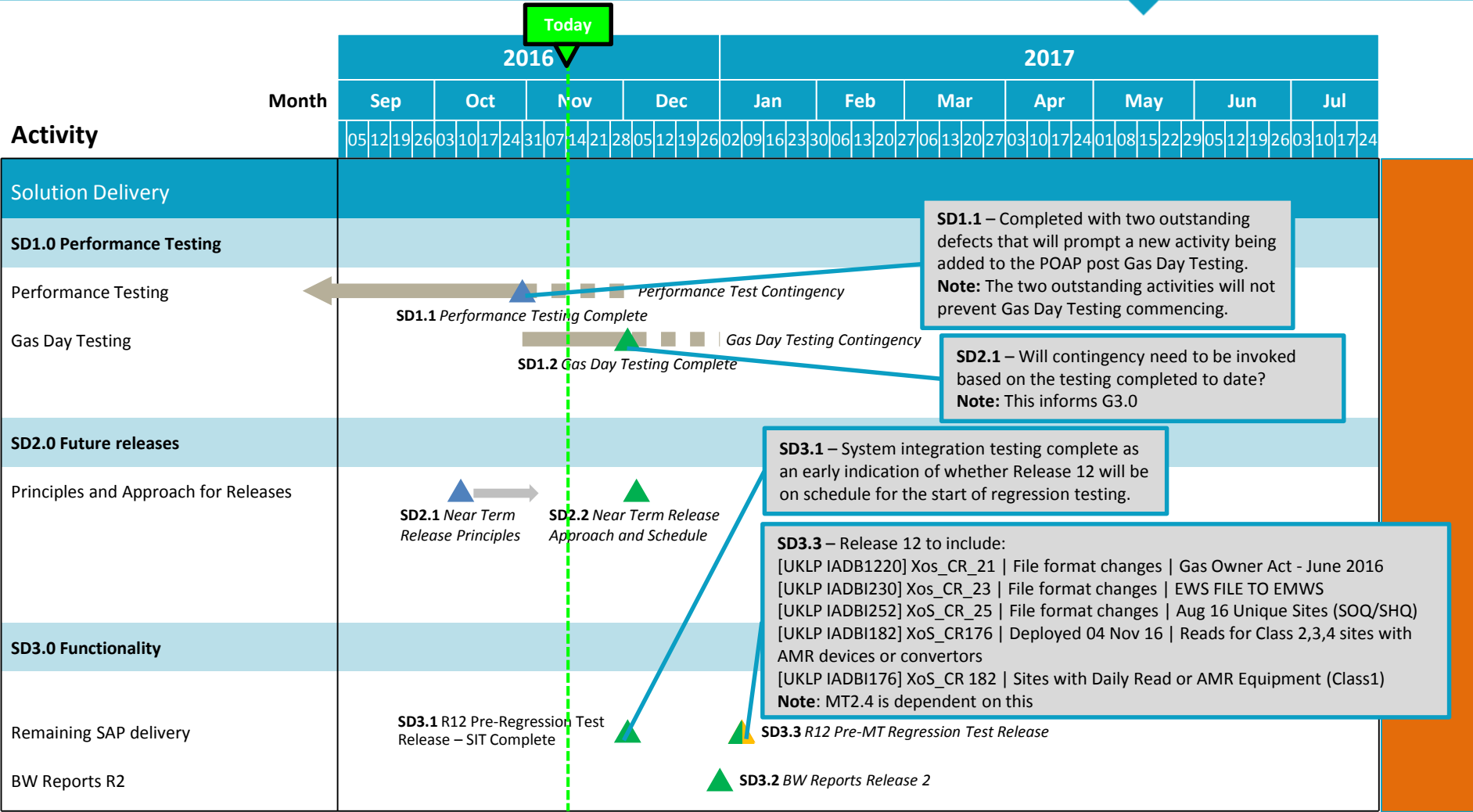
1. Xoserve will continue to support testing outside of Market Trials on:
 - a. CR176.
 - b. Reconciliation Invoicing Supporting Information files (AML/ASP).
2. Support from Xoserve will conclude on 30 Nov 16 for CR176 and AML/ASP – but principles outlined above will continue to apply in terms of availability of testing environment and logging of defects.
3. Work on identifying additional areas that may require support from Xoserve are currently under discussion.

Next Steps

1. **11 Nov 16:** Indicative decision on Market Trials exit – communicated by email to this group.
2. **15 Nov 16:** 'Lite' PNDG meeting. Market Trials will be a 'Hot Topic' with detail from the latest industry portal submission.
3. **21 Nov 16:** PNSG meeting where the final Market Trial exit position will be known in terms of defects post the 11 November 'hard stop'. The Ofgem indicative decision to be considered by PNSG at this meeting unless there has been a material change to the state of the market which would result in an amended indicative decision.
4. **22 Dec 16:** GONG Assessment 1 where manual workarounds and exceptions status can be reported on in the context of Code Stability and entry to Regression Testing and a decision against the GONG criteria considers whether "Xoserve and Market Participants have completed Core Market Trials."

- If market participants would like to discuss further, contact Jon Dixon at jonathan.dixon@ofgem.gov.uk or Nicola Garland at nicola.garland@ofgem.gov.uk.
- If you would like to discuss individual test scenarios please contact your organisation's PwC Case Manager.

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 @ 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

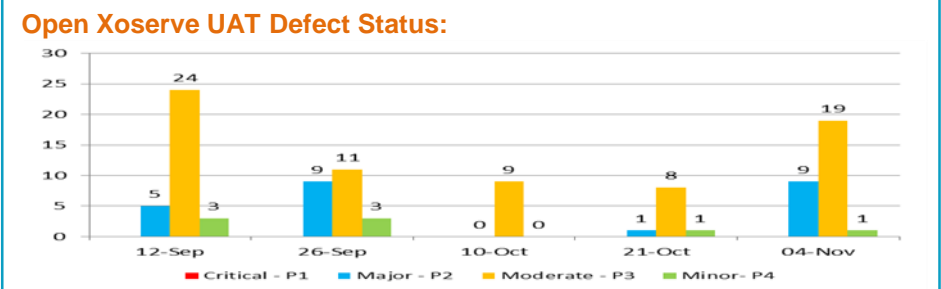
Solution Delivery Background: The Solution Delivery Workstream covers Xoserve UK Link Programme Delivery - the development of the new UK Link solution including user acceptance testing and performance testing, and Service Operations - the design and implementation of Xoserve's new and revised service 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: The Green/Amber rating is driven by limited contingency time afforded to CR delivery and the requirement to retest the final elements of PT. Though Code stability CR delivery is on track, delivery risk remains due to managed MT and UAT E2E closure; a delay will impact regression testing. This status will be revisited post the 11 Nov 16 decision on exiting MT. PT (PN1.0) stress testing execution has completed with 2 outstanding residual defects.

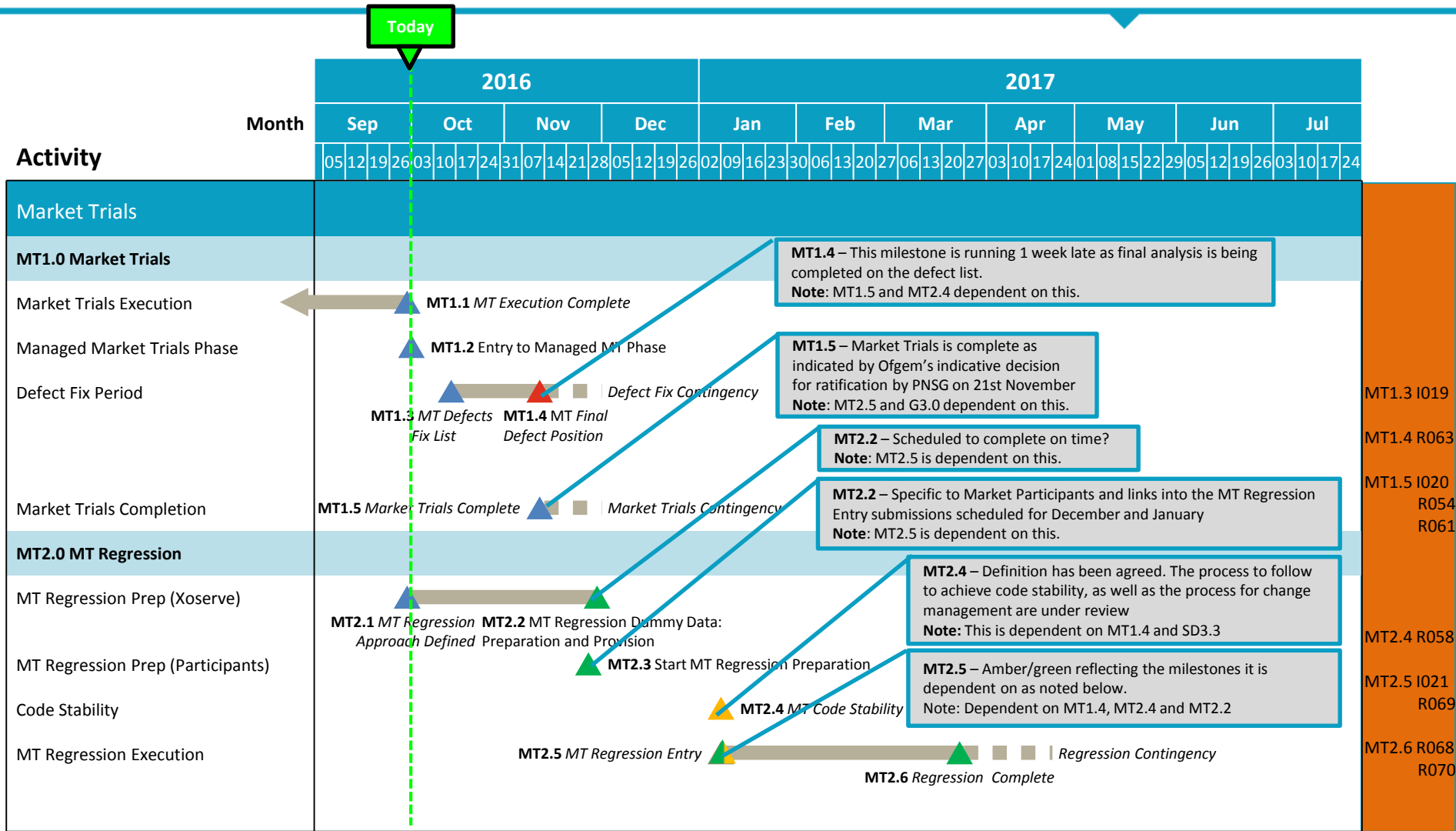
- Achievements since last PNDG:**
- The deployment of CR176 (Class 1 AMR reads) was conducted successfully on 04 Nov 16.
 - Code Stability changes for regression testing remain on track for delivery on 06 Jan 17. All started on time and are on track to deliver.
 - Preparation activity required to support Gas Day Testing, including processing of pre-requisite files, has commenced.
 - SO2.1 - Near term release principles have been completed.

- Remediation Action:**
- CR delivery is being closely monitored against the delivery time table.
 - Assessment of fix and test plan for the 2 PT stress test defects remaining at closure will be developed as part of Gas Day Testing.
 - Early identification and remediation of testing impacting reconciliation scenarios is continuing by the offshore team. To close out E2E defects, Xoserve have applied dedicated resource / time up to 11 Nov 16.
 - Final defects for E2E tested are due to close 11 Nov 16. .

- Upcoming activities:**
- Confirm deployment dates for CR182 (Class 2, 3, 4 AMR reads) plans.
 - Following the completion of PT, Xoserve aim to include outstanding fix and retest activities against current Gas Day Testing delivery plan.
 - Commence the Gas Day Testing schedule.
 - Close UAT Reconciliation testing (remaining scenarios) by 11 Nov 16.



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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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:

10 Nov 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 as contrary to anticipation, there are a number of test results which remain outstanding at 11 Nov 16. However, the outstanding areas of testing are understood. Based on this position Ofgem will likely decide to exit Market Trials on 11 Nov 16. This decision will detail the approach for outstanding tests. The MT Regression entry and GONG assessments provide an opportunity for participants to report their readiness for MT Regression starting in Jan 17.

Achievements since last PNDG:

- Overall 17 participants have completed Market Trials including 10 of the 26 participating Managed MT testing.
- 26 participants provided a MT portal submission on 4 Nov 16. In total 23 participants indicated they were 'On track' or 'Complete' for C1 processes and 25 for C2.
- Key areas of functionality where MT did not complete have been identified and the approach to these is being discussed with affected participants.

Remediation Action:

- Xoserve/PwC to review the final open defect list and agree forward plan with effected participants in week commencing 14 Nov 16.
- Support to remain in place for Participants to continue to test agreed exceptions which currently include CR176 and Reconciliation invoices.
- MT Environment will be available for residual testing however, some downtime can be expected, which will be communicated by Xoserve. There will be no support from Xoserve on defect/query resolution however, any new defects will be logged by Xoserve.

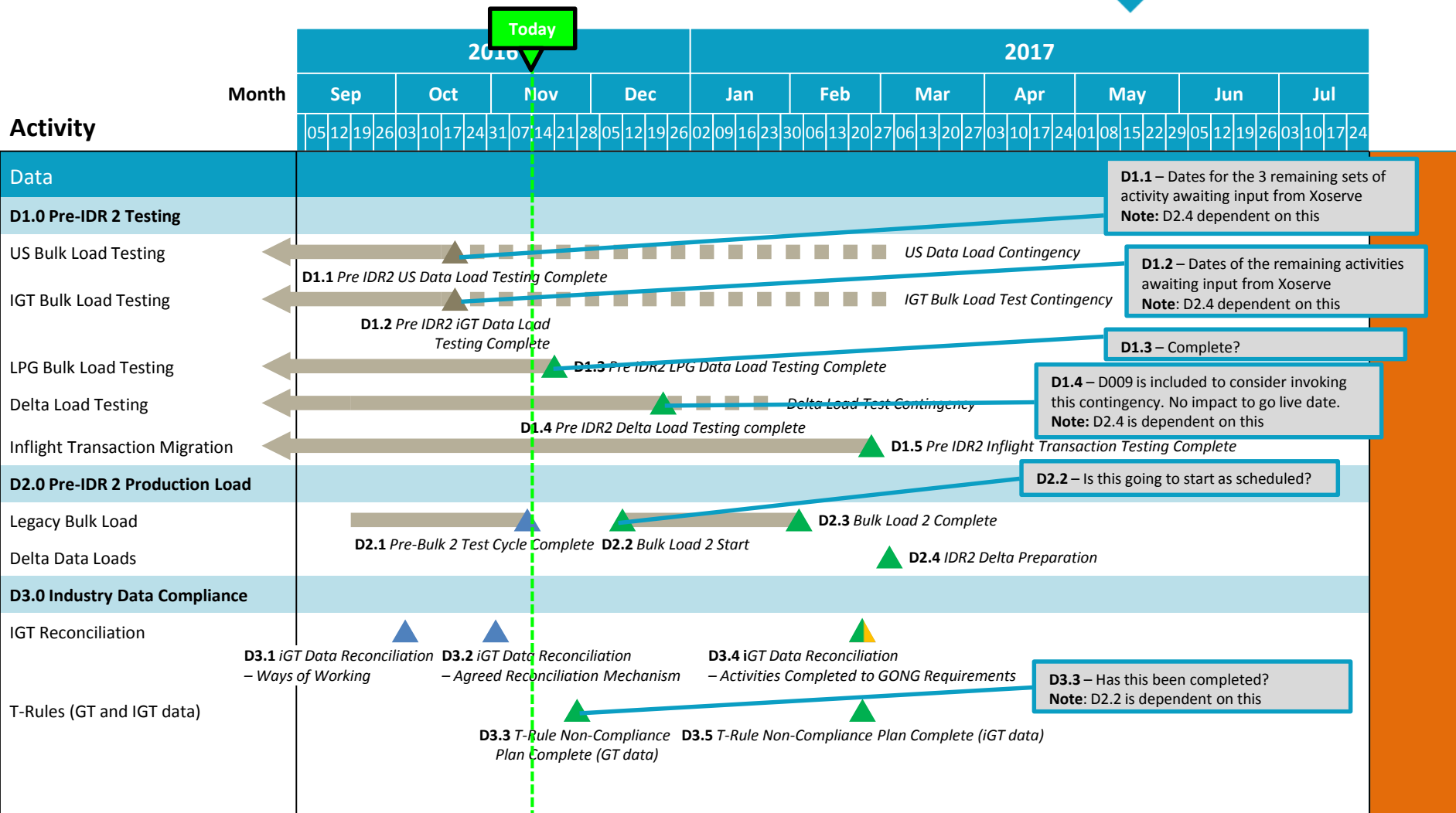
Upcoming activities:

- Review final defect position and forward plans on incomplete test lines from Managed MT and confirm the action plan for how they will be managed after 11 Nov 16.
- Decision to exit MT is to be ratified at the next PNSG.
- 23 Nov 16 planned lessons learned session will inform subsequent regression planning.

MTWG Key Messages:

- No MTWG held during the period

Data Workstream Plan



D1.1 – Dates for the 3 remaining sets of activity awaiting input from Xoserve
Note: D2.4 dependent on this

D1.2 – Dates of the remaining activities awaiting input from Xoserve
Note: D2.4 dependent on this

D1.3 – Complete?

D1.4 – D009 is included to consider invoking this contingency. No impact to go live date.
Note: D2.4 is dependent on this

D2.2 – Is this going to start as scheduled?

D3.3 – Has this been completed?
Note: D2.2 is dependent on this











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Decisions

#	Decision	Status	Due Date	Areas of Programme Affected	Comments	Outcome
008	<p>To recommend the PNSG move milestone D1.4 (<i>Pre IDR2 Delta Load Testing Complete</i>) to 23 Jan to reflect the use of the contingency period that was built into Xoserve’s plan.</p> <p><i>Extension of this milestone beyond its existing scheduled delivery date will not impact the 01 Jun 17 go-live date.</i></p>		15 Nov 16	Data	<p>Delta Solution readiness is a key component of any decision to invoke June/ July contingency.</p> <p>Xoserve established 2 contingency runs in January and February; utilising January contingency would hold 1/6/17 implementation, using February would impact go live and result in 1/7/17 implementation.</p> <p>At the point of formulating the June 2017 re-plan, it was acknowledged that utilising the first of these contingency periods was likely. Further information has been shared at DMG and other fora describing projections of the Delta solutions ‘health’.</p> <p>These projections indicate that use of January contingency remains likely to be required and also that use of February contingency is not likely to be utilised.</p> <p>This decision request is to provide notification of this likely usage in a timely manner.</p>	

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. 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. Additionally, the IDR1 delta cycle was better than forecast (all targeted defects fixed, improved defect fix success rate and fewer newly identified defects).

The Amber element reflects a number of Data defects for Delta and iGT data loads that still require enduring Data 'Fix and Prove' cycles, and In-flight Data Readiness. There are also concerns over participants data cleanse and reconciliation activities.

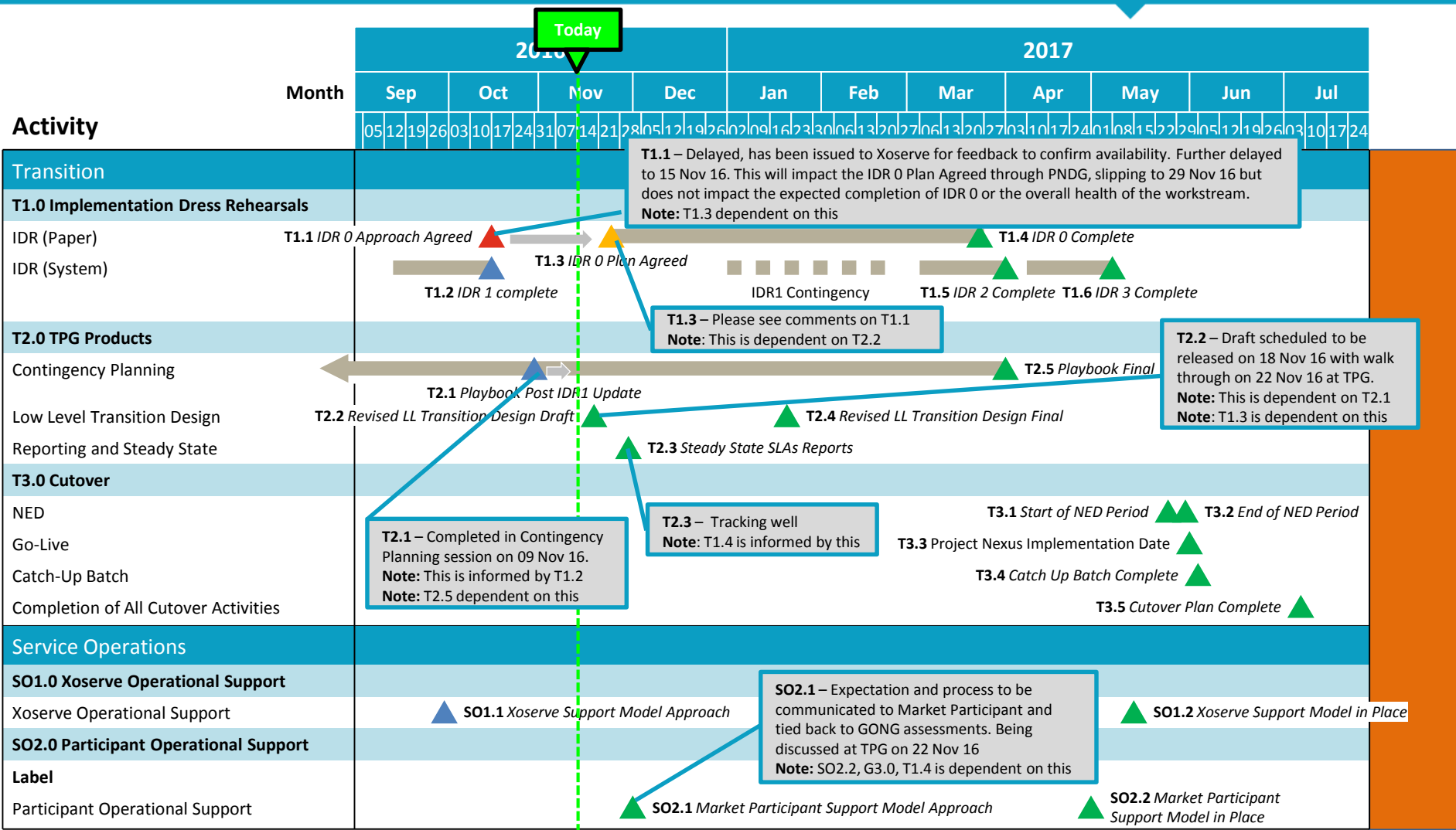
- Achievements since last PNDG:**
- Delta Test Cycle 3 has commenced its ETL cycle and is on plan, a number of known Delta defects are at 'fixed' status within this cycle to be proven in line with forecast. Which is currently tracking within the moderate defect range.
 - Pre Bulk 2 cycle has commenced its cycle run with Load underway (D1.7).
 - Data session held on 03 Nov 16 on Data Plans and methodology and addressing risk around data and functionality at RIAG was well received by participants.
 - Lessons Learned sessions in conjunction with Transition for IDR 1.

- Remediation Action:**
- Root cause analysis of Bulk, Delta and iGT Defects with offshore working by Xoserve SMEs has resulted in improved fix success rates and confidence.
 - The Data plan incorporates additional Test cycles for iGT and Delta loads.
 - Implement the iGT ways of working for full reconciliation of iGT Data.
 - Ongoing actions to address potential inconsistencies in information held between shippers systems and the IGT Migration database
 - Action to present high and medium risk non-compliance data at DMG 01 Nov 16.

- Upcoming activities:**
- Further In-flight transaction variants for GT/iGT /US to undergo testing and defect resolution.

- DMG Key Messages:**
- RIAG discussed risks around data and identified mitigating activities, progress on these will be discussed at the DMG on 17 Nov 16 and highlighted within this report.
 - Concerted effort is still required to demonstrate completeness of population and resolve differences in the portfolios between Shippers, iGT's and Xoserve.

Transition Workstream Plan



Milestone RAG Key:

- ▲ Industry Milestone
- Industry Activity
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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:

- The Green rating reflects, that all critical path activities are progressing to plan. Although the date for the IDR0 approach milestone, T1.1 was missed, it does not impact the critical path for Transition or the completion of IDR0. The tentative date for the IDR0 approach to be issued is by the 15 Nov 16.
- The lessons learned from IDR1 have provided confidence that issues encountered during the dress rehearsal can be corrected in advance of the next IDR sessions in 2017.

Achievements since last PNDG:

- At TPG on 08 Nov 16, Xoserve walked through Lessons Learned from IDR1. This provided clarity to market participants of the issues that were faced during IDR1 and resolution actions that will be followed for IDR2.
- Hypercare Principles have been delivered by E.ON. The principles set out the high level view of the approach the Hypercare team will take.
- Contingency Planning session on the 09 Nov 16 identified mitigating actions to respond to problems during cutover.

Remediation Action:

- To continue operating at a Green RAG, the Transition workstream will look to provide further confidence to the Market Participants in the interim period ahead of IDR2 and IDR3. A key part of this will be the release of the draft LL Transition Design on the 18 Nov 16. This release will allow participants to build their own cutover plans. An overview of the performance test results (due at TPG on 22 Nov 16) will provide confidence that the system is operating at a level expected to cope with the market demands.

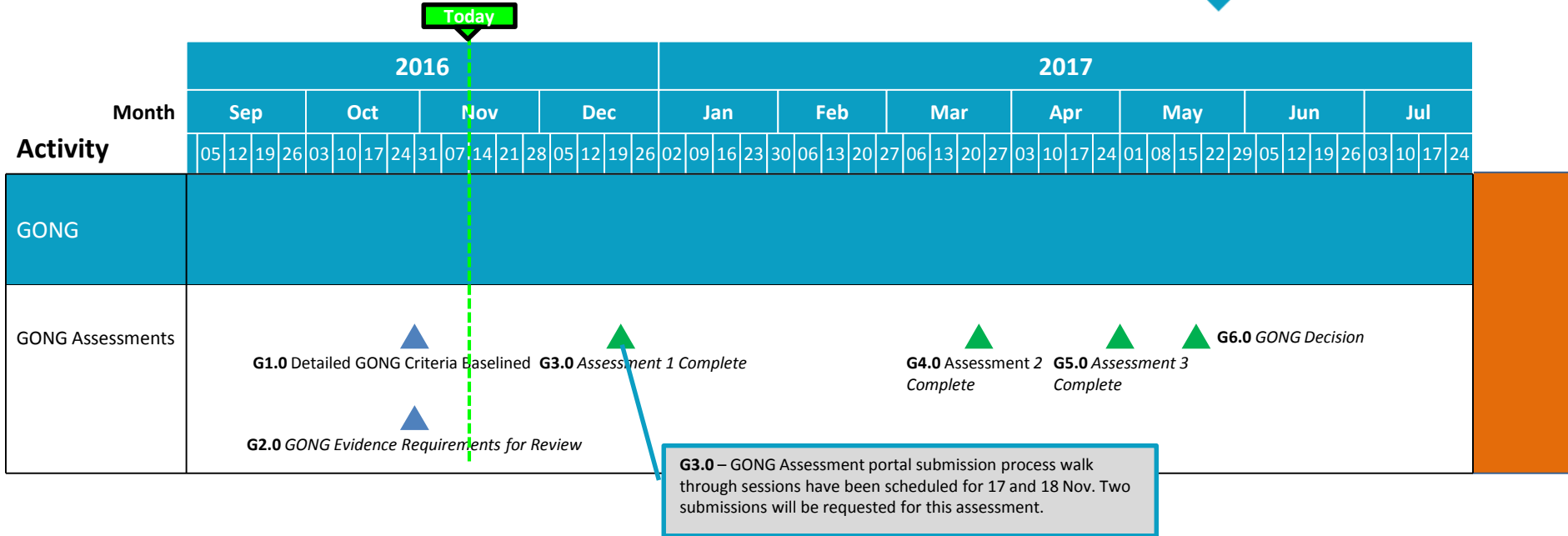
Upcoming activities:

- The TPG Communications Subgroup is scheduled for 15 Nov 16 to review and amend the draft proactive communications.
- A Hypercare session is scheduled for 15 Nov 16 to lay out the framework for the Hypercare approach. Further sessions will be scheduled to build this out.
- The next TPG is scheduled for the 22 Nov 16. As part of this session, Xoserve will walk through the results from Performance Test and the new draft of the LL Transition Design.

TPG Key Messages:

- Market Participants have raised concern that the time afforded to resolve actions between IDR2 and IDR3 is insufficient. This will be raised as a risk through the RAID process. Mitigating actions will include the testing of actions identified through the IDR1 Lessons Learnt exercise.
- Market Participants have been requested to volunteer for the Hypercare subgroup.

GONG Workstream Plan



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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.

Overall RAG Commentary:
RAG status will be reported once the PMO has commenced gathering participant statuses as part of the GONG assessments. However, planning activity has commenced for the first GONG assessment.

Achievements since last PNDG:

- Feedback from the GONG evidence questionnaire has been received from Market Participants and currently under review by Xoserve.
- Minor amendments to the thresholds expected at each assessment point have been incorporated.
- Communication issued outlining the GONG submission dates for the first GONG assessment.

Remediation Action:

- None required.

Upcoming activities:

- Follow up calls with participants to discuss their feedback on the GONG evidence questionnaire.
- Re-issue the GONG criteria prior to the walkthrough session scheduled for 17 and 18 Nov 16.
- Updates to Nexus Portal being made to enable participants to make a GONG submission.
- First GONG submission on 25 Nov 16.

Key Messages:

- Participants are required to commence planning on how they will make their first submission for GONG and advise PwC if there are any expected challenges in achieving this.

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				Ofgem	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.	Propose to close.					12
9	R059	Files/reports that have not undergone functional changes, but are produced by the new Xoserve SAP UK Link system will not be tested.	1 ongoing action.		☒			9
10	R061	DMSPs and shippers 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.

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.	In progress.	Xoserve, PwC and market participants		31 Aug 16 → 23 Sept 16 → 14 Oct 16 → 11 Nov 16	Market Trial Problem Solving Session
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.	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
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.	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.	This action has been pushed out to until 18 Nov 16 following the anticipated completion of managed MT.	PwC		11 Nov 16 → 18 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. This action has been pushed out to until the 18 Nov 16 following the anticipated completion of managed MT.	PwC		11 Nov 16 → 18 Nov 16	RIAG

Action Log

Action #	Action	Progress	Owner	Status	Due	Forum
A152	Xoserve to develop a forward projection of the number of defects that will be fixed within the defect fix period.	The final defect position will be available on 11 Nov 16. An agreement will be made with the industry regarding any defects which will require workarounds. As agreed with Ofgem and PwC, Xoserve will continue to fix where possible, however, any further testing of these will not be supported after 11th Nov 16.	Xoserve		Ongoing until 11 Nov 16	RIAG
A155	Xoserve are to publish file format baseline and have a session to build understanding.	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/2ekUZzh The session to build further understanding on the document will be held in the next few weeks. The due date has been updated accordingly.	Xoserve		20 Oct 16 → 03 Nov 16 → 30 Nov 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. This will form part of the MT Lessons Learnt session taking place on 21 Nov 16.	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 within their organisations.	Complete.	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.	MTWG/ Xoserve		12 Oct 16 → 16 Nov 16 → 21 Nov 16	PNSG

Action Log

Action #	Action	Progress	Owner	Status	Due	Forum
A169	MTWG to develop a plan to manage a test suspension should a high number of defects occur in MT regression testing.	Complete. This forms part of the MTWG regression approach.	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.	Xoserve		TBC	RIAG
A171	Make a decision on the approach to be taken for each outstanding item and communicate to participants.	Complete. Ofgem sent out an email to market participants on 03 Nov 16.	Ofgem		11 Nov 16	RIAG
A172	Xoserve to provide further information into the defect prioritisation process.	Proposed to be closed.	Xoserve		TBC	PNDG
A173	Provide a date for when the Low Level Transition design will be delivered.	The LLTD is due to be delivered in draft form to TPG on 18 Nov 16 and will be walked through at TPG on 22 Nov 16.	Xoserve		14 Nov 16	PNDG

DISCUSS Executive Summary



- ▶ The programme status for this period has been downgraded to GREEN / AMBER following a reduction in the overall risk exposure
- ▶ Code stability CRs are tracking to plan (albeit early in lifecycle and still with very limited contingency) and the closure of Performance Test represents a major milestone achievement for the programme
- ▶ UAT close out remains a concern with key defects persisting and further plan slippages observed
- ▶ Delta Data testing continues to show positive results however a comprehensive plan for in-flights remains outstanding and the full auto-validation solution looks set to miss its 'need date' adding to the risk of defects being carried into the Bulk Load

KEY RISK AREAS

- ▶ Resource management and prioritisation
- ▶ UAT closure – code stability and parallelism impacts
- ▶ In-flight transactions delivery plan
- ▶ Insufficient time to resolve bulk defects (identified via auto-validation) by ETL ahead of Bulk Load

KEY MITIGATION ACTIONS

- ▶ Enhance resource management process to improve prioritisation and granularity of planning
- ▶ Clarify residual UAT defect fix plans and explore options for defect workarounds
- ▶ Baseline delivery plan for in-flight transactions and incorporate appropriate milestones into the central programme plan
- ▶ Complete a scenario planning exercise to explore options for handling late identified bulk impacting defects

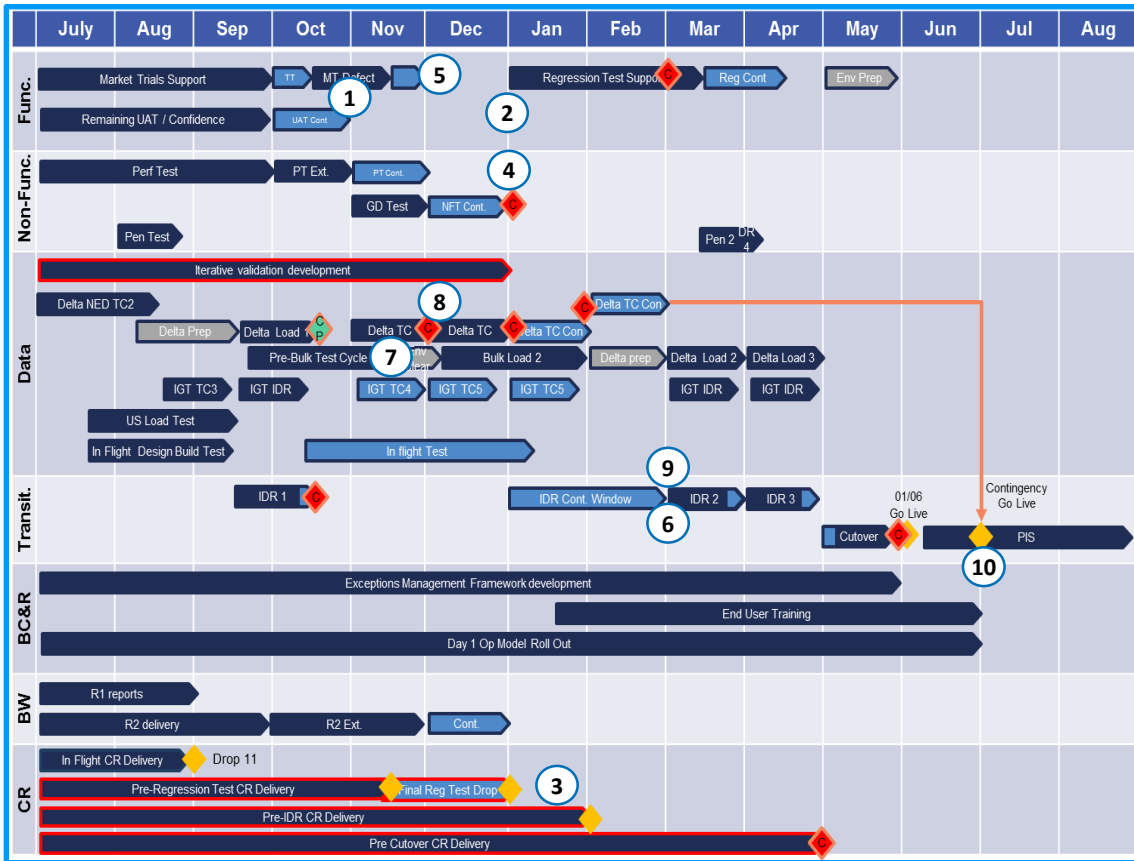
Status

Area	RAG
Programme Delivery	GREEN
Data	AMBER
Market Trials	AMBER
Transition	GREEN
GNG	AMBER

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.



	ID	Risk Description
Programme Delivery	#01	Resource assignment & levelling – Current resource mgmt. processes are inadequate to confirm the required Programme resource profile or respond to demand effectively. Resource capacity and capability issues are being felt acutely in data and BC&R workstreams.
	#02	Critical defects (Reconciliation invoicing & Back Billing) continue to disrupt the UAT plan with the risk to code stability growing.
	#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 are however currently tracking to plan.
	#04	Overall non functional test close out – Major PT milestone met however residual defects have been added to GDT test scope risking overall NFT closure within plan contingency window.
MT	#05	Risk of MT overrun & impact on supportability.
Data	#06	iGT migration solution – The findings from IDR1 indicate that there is a risk that the NED window may need to be extended to accommodate the iGT migration activity.
	#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 a reduced ability to assure data quality ahead of go live.
	#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
Transition	#10	Day 1 Exceptions Handling – There is a risk that Xoserve is underprepared to handle 'Day 1' exceptions, leading to SLA breaches.

Update on RIAG Sessions

Meeting on 3 Nov 16

1. Plan Status Update
2. Data and Functionality *
3. Update on Market Trials

Key Milestone Impacted

1. Project Nexus Implementation Date (T3.3)

Relevant GONG Success Factors

1. High quality data and data migration processes
2. Ongoing data governance processes and release plans are defined and operational
3. No impacts on energy industry reputation

* Remaining slide only talks to Theme – Data and Functionality

Theme – Data and Functionality

Primary Risk

The actual data will come together at go-live, so there is the potential risk of issues being undetected because of data and functionality have not been previously tested together. In addition during market trials participants have selected data that ‘works’ for the test result and not necessarily checked that the discarded data would be correctly processed/rejected.

Mitigation Actions

- For data to pass market trials testing it has to be compliant with SAP requirements. The data that is being used in regression is representative of go-live data, otherwise it would be rejected with data defects.
- Xoserve is making a significant investment in assuring the quality of data to be migrated into SAP at go-live.
- Xoserve are running business processes after their data migration cycles and sharing this information through DMG and TPG trying to demonstrate and give participants a level of comfort.
- IDR 0 is expected to provide a paper based means of testing data and functionality and mitigating the above risk. The TPG approach to IDR 0 is currently progressing.

Observations

- From the group discussion, there is a perception of risk due to the lack of industry testing, but difficulties in articulating the exact nature, likelihood and impact of this risk resulted in no additional risks or issues being identified during the session

Next Steps

- Continue to explore the residual risk of data and functionality to determine whether it is at an acceptable level.

PNDG Market Trials Update

15 November 2016

Managed MT Phase Update

Based on PwC interaction with participants during Managed MT Phase: As @ 11 November 2016

26 Participant Managed MT RAG

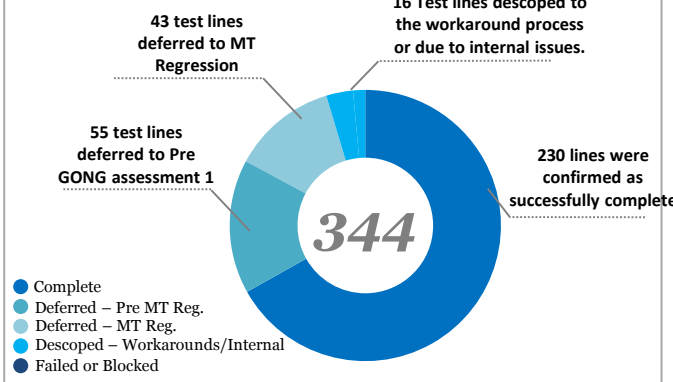
- 10** Participants completed during Managed MT
- 13** Participants Confirmed completion of Managed MT with mitigation
- 3** Participants yet to confirm deferral status of outstanding MMT Lines

Defect Position (@10 Nov)

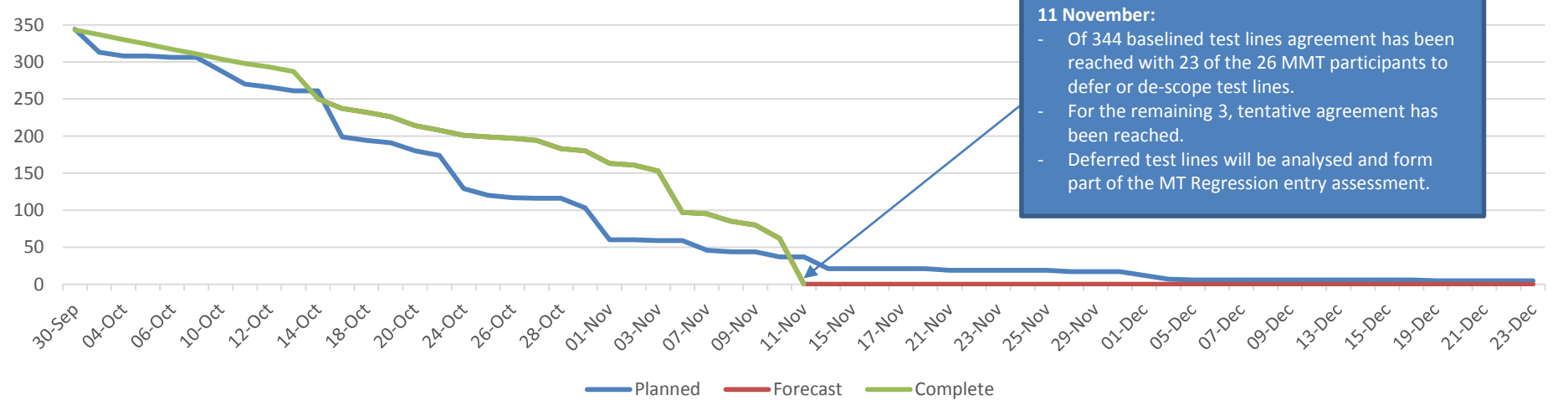
Defects Raised with Xoserve	
Open 30 Sept	118
New defect since 30 Sept	121
Closed since 30 Sept	192
Open 10 Nov	47

- 25 new defects opened during w/c 7 Nov compared to 9 w/c 31 Oct.
- 28 defects were closed during w/c 7 Nov.
- Xoserve have performed analysis on the 47 open defects and it was expected 20 will remain open and require forward plans at 11 Nov 16.

Managed MMT Test Line Breakdown



Test Line Burn Down



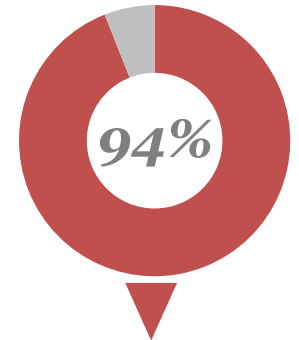
Deferred to after 11 Nov

Functional area	Mandatory Scenario	Number of test lines	Number of participants impacted after 11 Nov 16		Summary of deferral status
Address Update s- CMS	SC1	1	1	GT 'B'	Deferred Pre GONG (1)
Transfer of Ownership	SC2-7	21	6	GT 'C', Large Supplier 'A' and 'C', I&C 'C', 'D' and 'E'	Deferred MT Regression (7) Deferred Pre GONG (4) Descoped – Workarounds (10)
Asset Update	SC8	26	6	Challenger 'B', Larger Supplier 'A', 'B', 'C', and 'E', I&C 'A'	Deferred MT Regression (14) Deferred Pre GONG (11) Descoped – Internal test (1)
Meter Reads	SC9 and SC10	10	7	Larger Supplier 'A', 'B' and 'E', I&C 'C' and 'D', Challenger 'A' and GT 'A'	Deferred MT Regression (3) Deferred Pre GONG (7)
Isolations	SC11	6	3	Large Supplier 'B' 'C' and 'E' and GT 'A'	Deferred MT Regression (4) Deferred Pre GONG (2)
AQ Calculation and Correction	SC15	16	6	Larger Supplier 'A', 'B' and 'E', I&C 'C' and 'D', Challenger 'A'	Deferred MT Regression (3) Deferred Pre GONG (10) Descoped – Internal test (3)
Invoicing	SC16-18	16	7	Larger Supplier 'A', 'B' 'C' and 'D', I&C 'A' and 'D' and Challenger 'A' and GT 'E'	Deferred MT Regression (6) Deferred Pre GONG (10)
CMS Address Updates	SC20	3	2	Large Supplier 'E' and IGT 'A'	Deferred MT Regression (2) Deferred Pre GONG (1)
Portfolio Reports	SC21 and SC23	2	1	GT 'A' and 'B'	Deferred MT Regression (1) Deferred Pre GONG (1)
Update/Create Meter Point including CSEP	SC24, 25 and 27	7	2	Large Supplier 'A', IGT 'A' and GT'B'	Deferred MT Regression (1) Deferred Pre GONG (6)
Update Meter Points	28	1	1	GT 'C'	Deferred MT Regression (1)
Unique Sites and LPG	Multiple	3	2	GT 'A' and 'D'	Deferred Pre GONG (3)
Request To Bill	NA	1	1	GT 'B'	Deferred Pre GONG (1)
EZX File	NA	1	1	Large Supplier 'A'	Deferred MT Regression (1)
	Total	114			

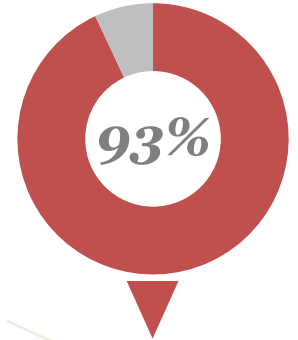
MT Portal Submission 4 November

The MT Exit assessment includes responses from **33 participants**, which equates to **94% Annual Quantity ('AQ')** and **93 % of supply points**.

10 participants have not provided an updated status or have shown limited/no engagement through MT

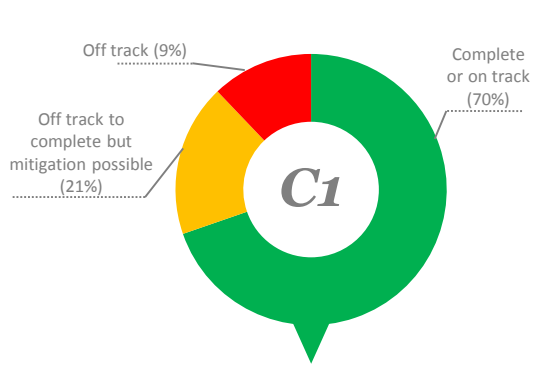


Market AQ coverage of this L3/L4 exit assessment

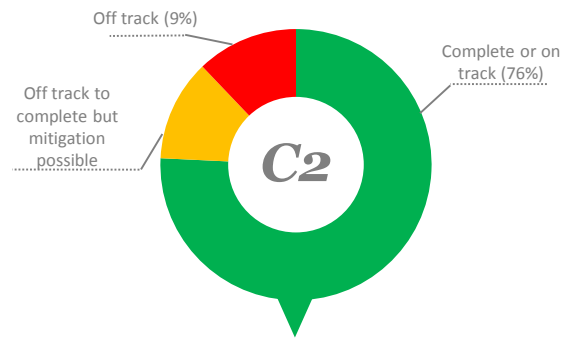


Market Supply Point coverage of this L3/L4 exit assessment

Of the 33 organisations who responded, 29 have, or are expected to, complete C1 and C2 Scenario testing by 11 November (including those where mitigation is required).

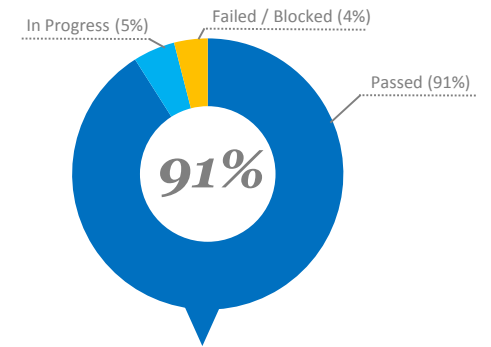


Participants C1 RAG status (market critical) scenario testing completion for 11 Nov 16



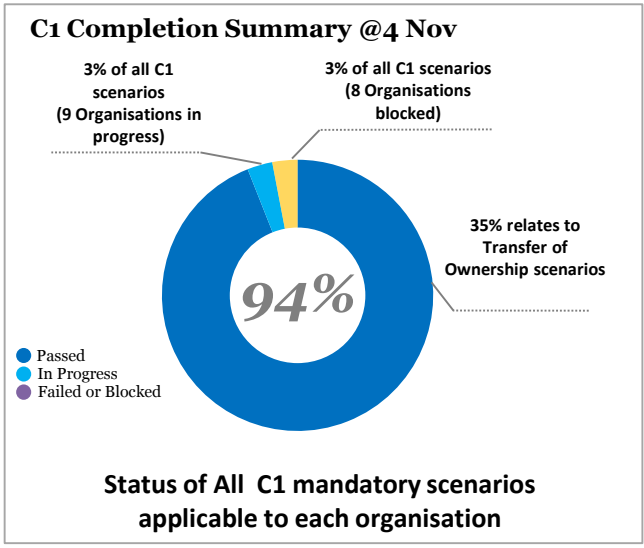
Participant C2 RAG Status (organisation critical) scenario testing completion for 11 Nov 16

Of the 33 who responded, 26 provided a mandatory scenario checklist as part of their submission. These show an overall pass rate of 91% for C1 and C2 scenarios.

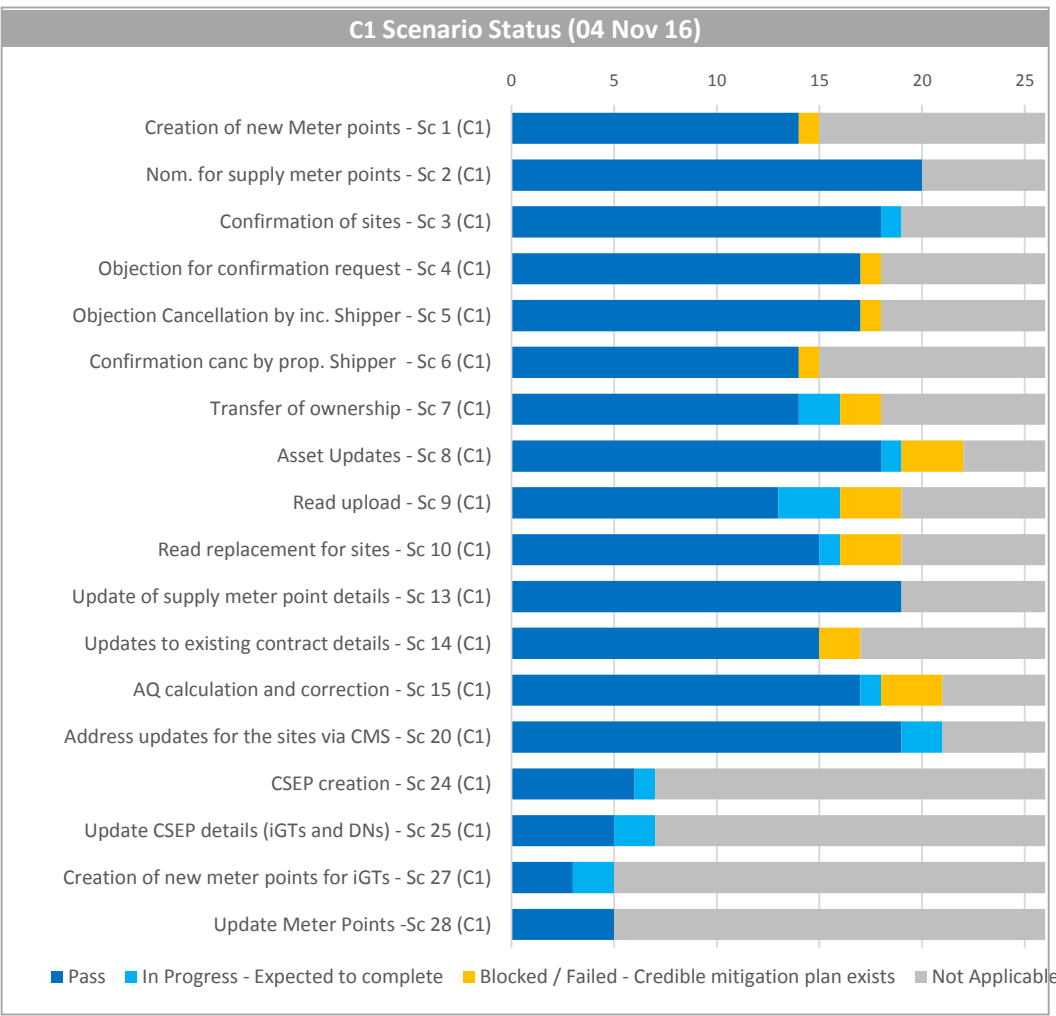


C1 and C2 mandatory scenarios passed, in progress / not started, blocked where applicable to an organisation

C1 Mandatory Scenario Completion



94% of applicable C1 scenarios were reported as passed representing a high level of coverage across the market. However, this cannot confirm all variations within each of the passed scenarios have been tested by each organisation. Known exceptions effecting blocked/failed/in progress tests are being analysed

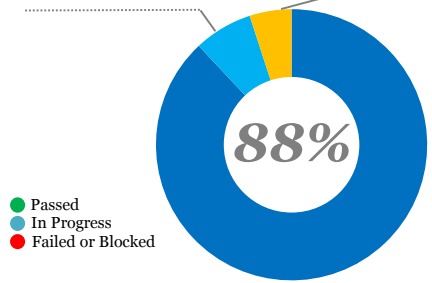


C2 Mandatory Scenario Completion

C2 Completion Summary @4 Nov

6 Organisations in progress with C2 scenarios, all in known areas with action plans in place

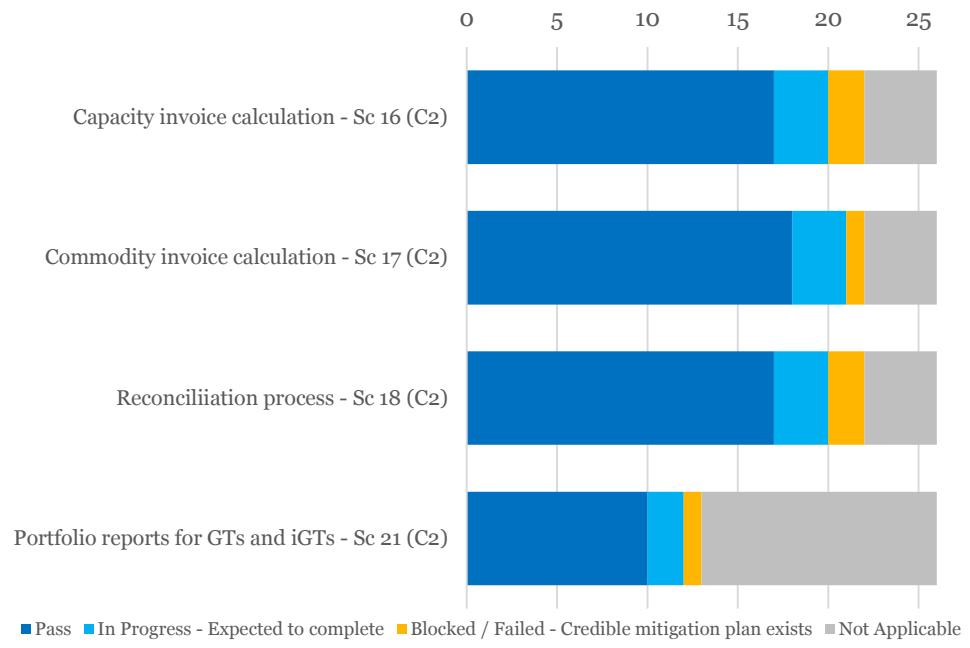
4 Organisations blocked in known areas with action plans in place



Status of All C2 mandatory scenarios applicable to each organisation

88% of organisations self reported as passed which is lower than for C1 scenarios. All areas of 'in progress' or 'blocked' testing, however, are understood and were either due to complete on 11 Nov 16 or have agreed action plans in place.

C1 Scenario Status (04 Nov 16)



1

Finalise the MT Exit completion position and the required mitigation plans. This includes finalising the list of incomplete tests from Managed Market Trials, the Xoserve defect position and related mitigation plan.

2

Review the final position of incomplete/deferred testing and defects following MT Exit to assess the overall risk of to MT Regression.

3

Complete the ongoing MT PwC Assurance activity to plan. This includes completion of follow-up calls and site visits with the sample of completed market participants.

4

Participants to complete residual testing from MT and workarounds to be agreed, as required.

5

Assess the completion/progress of the required mitigation plans at **GONG Assessment Gate 1, the Code Stability and MT Regression Entry milestones.**

6

Complete a market trials lessons learned workshop, to be held with MTWG and RIAG on 23 Nov 16.

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.