

Project Nexus

Monthly Nexus Status Update

14th March 2016

***Please note:** Information contained within this document will also be supported by verbal update during the PNSG and therefore should be considered in this context when being read in isolation.*

We have been informed that all Xoserve provided data (on non-PwC branded pages) has been subject to review by Baringa prior to submission by Xoserve. In doing so, Baringa will identify any material 'deltas' in opinion between themselves and Xoserve. PwC does not accept responsibility for the accuracy of data provided by Xoserve.

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1. PNSG Programme Report

Please note: *The section will be used in the PNSG meeting, with reference to supporting slides later in the pack as necessary.*

1.1. Overall Programme Update

As at 9 March 2016

Overall RAG: The overall programme status is **Red** as the **level of testing to date** in Market Trials **is lower than anticipated**; the Xoserve delivery plan for RGMA by 15 April 2016 contains risk; and Xoserve analysis indicates that de-coupling US from core functionality is not a viable option to de-risk core delivery. To bring the plan back to **Amber**, the root causes of low **levels of testing** in MT need to be addressed and greater clarity is required over the expected delivery of RGMA.

	Overall RAG	1 st Oct 16 Go-live
Current:		
Mitigated:		

Level 3/4 Market Trials is now open to all participants but participation is low.

- Market Trials opened to all participants on 1 March 2016, as planned. 26 out of 43 organisations have participated with the majority of activity being performed by two organisations only.
- The lower than anticipated level of testing to date is potentially a result of delays in RGMA, some expected functionality not being fully available, defects and natural ramp-up of participant test plans.
- Whilst it is recognised that challenges currently exist for participants in executing their test plans, early testing during the Market Trials window is encouraged where possible. This will support the identification and resolution of defects/solution gaps and reduce potential resource constraints on Xoserve support later in the phase.
- Analysis is required to determine the root causes of low participation levels to allow actions to be identified to increase participation levels. A potential vehicle for this analysis, is the MT L3/4 progress self-assessment which is due for submission to the PwC Assurance Portal on 21 March 2015.

Risks exist in the Xoserve RGMA delivery plan for 15 April 16.

- Xoserve to provide update on current progress of delivery of remaining RGMA functionality. See page 20.
- Analysis has been performed by the MTWG over the impact of potential late RGMA delivery on MT. See page 26.
- Contingency options include extending MT Core to 31 July 16 with provision for invoice testing in August 2016. Xoserve are investigating the feasibility of MT support arrangements.

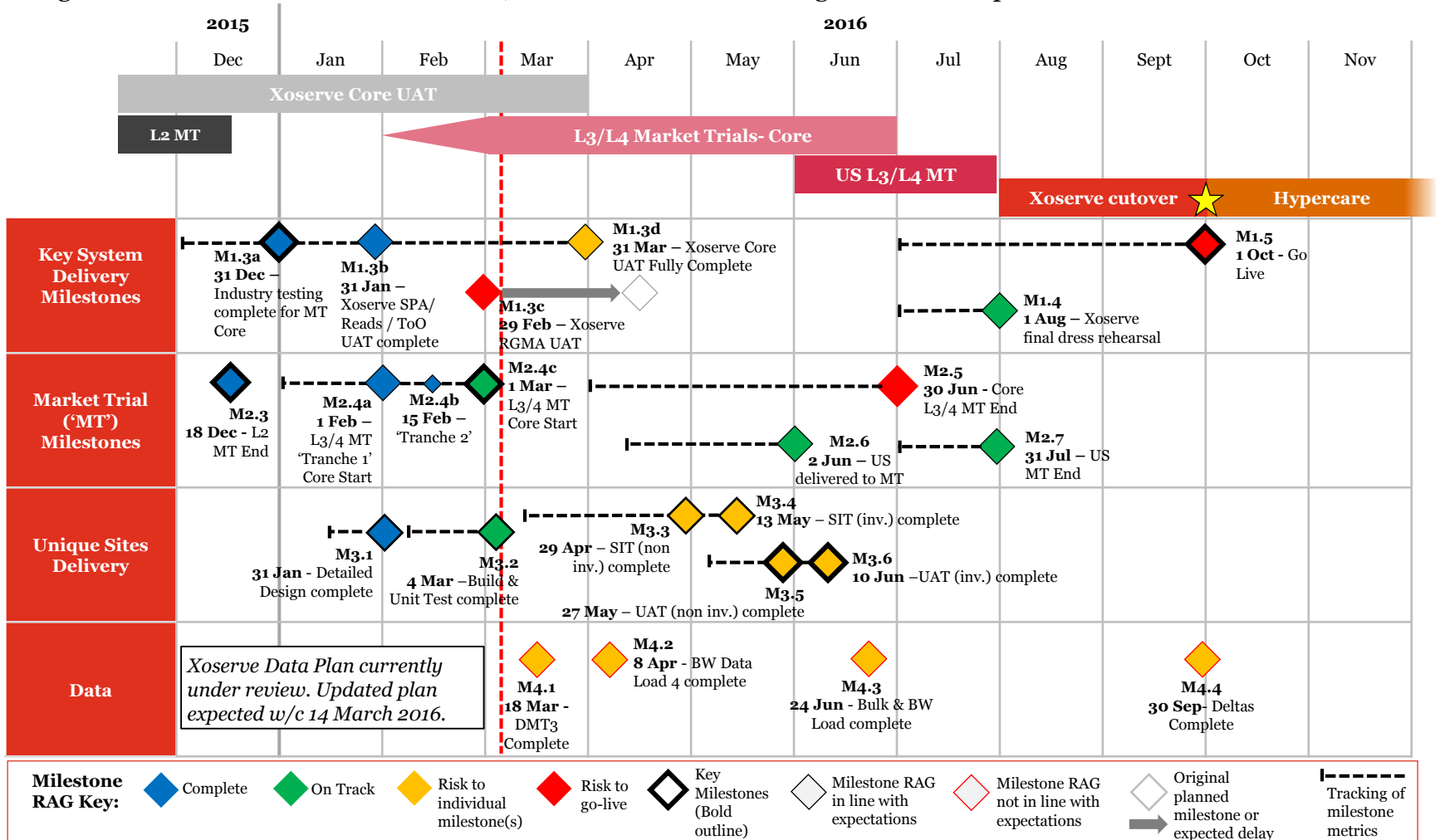
Xoserve analysis indicates that de-coupling US from core functionality is not feasible at this stage of delivery.

- Xoserve to provide an update on their assessment over de-coupling US from core functionality. See page 30.
- Market feedback indicated a generally 'Low' impact of de-coupling US. Concerns were raised over regression testing requirements if US is de-coupled. See page 36.
- Concerns have also been raised over the level of MT regression testing required on the 30 common core objects if the automated US solution is delivered as planned.
- The MTWG highlighted a need to gain clarity on all factors currently effecting MT, such as delivery of RGMA, to allow the impact of de-coupling US on MT to be assessed.

1.2 Industry Plan on a Page

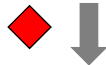


As at 9 March 2016

'Industry plan on a page', with a RAG status of key milestones. The plan does not currently take into consideration arrangements for a RAASP interim solution, which will need to be integrated into the plan once known.







1.3 Key Milestone Status

As at 9 March 2016

Key Milestones	RAG	Key metrics	Additional Commentary
M1.3c 29 Feb – Xoserve RGMA UAT complete		<p>Xoserve UAT functional RAG reporting (as at 4 Mar):</p> <ul style="list-style-type: none"> As previously reported, delivery of RGMA functionality related to Asset Exchange / Update and Functional Rejection to MT have been delayed to 15 April 2015. Xoserve are currently reporting an ‘Amber’ status for delivering these processes areas for 15 April 2015. AMT ‘Technical Rejection’ (ERR/FRJ) has been delivered but with known issues. SPA ‘Portfolio and Liability Reports’ is reporting as ‘Amber’ for delivery on 1 March 2016. 	<ul style="list-style-type: none"> Xoserve updated on UAT progress provided on Page 27.
M1.3d 31 Mar – Xoserve Core UAT fully complete		<p>Xoserve UAT functional RAG reporting (as at 1 Feb):</p> <ul style="list-style-type: none"> 1 out of 7 processes were reported as ‘Red’: <ul style="list-style-type: none"> Invoicing Reconciliation (limited testing to date due to EBF issue) 1 out of 7 processes were reported as ‘Amber’ 	<ul style="list-style-type: none"> Xoserve updated on UAT progress provided on Page 27.
M2.4c 1 Mar – L3/4 MT Core Start		<p>‘Tranche 3’ L3/4 MT commencement readiness</p> <ul style="list-style-type: none"> Market Trials open to all participants from 1 March 2016, as planned. 	<ul style="list-style-type: none"> We ask the PNSG to approve as complete.

1.3 Key Milestone Status

As at 9 March 2016

Key Milestones	RAG	Key metrics	Additional Commentary
M3.2 4 Mar – US Build & Unit Test complete		<ul style="list-style-type: none"> Xoserve have reported that US build and unit tested completed on 7 March 2016. 	<ul style="list-style-type: none"> We ask the PNSG to approve as complete.
M3.3 29 Apr – US SIT (non inv.) complete		<ul style="list-style-type: none"> Xoserve are reporting that the end to end delivery plan is still considered to contain risk but progress continues broadly to plan from a solution perspective. Progress against the data plan continues to face challenges, however there is currently little risk to downstream activities 	<ul style="list-style-type: none"> Xoserve updated on US progress provided on Page 30.
M3.4 13 May – SIT (inv.) complete		<ul style="list-style-type: none"> See above 	<ul style="list-style-type: none"> Xoserve updated on US progress provided on Page 30.
M4.1 18 Mar - DMT3 Complete		<ul style="list-style-type: none"> The Xoserve data migrations are currently under review by Xoserve. A revised plan is expected w/c 14 March 2016. 	<ul style="list-style-type: none"> Xoserve to provide separate update on Data plan.

2. Baringa - Xoserve Assurance Update



CSA Programme Board Report

UK Link Programme

Client: Xoserve

Date: 02nd March 2016

Version: V2_0

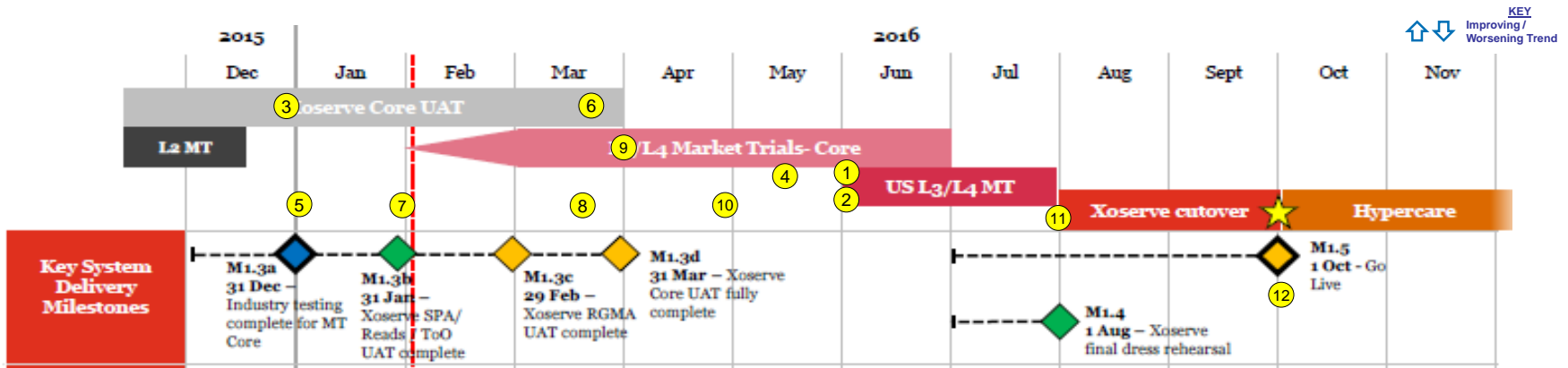
Reputation built on results

- ▶ Key risk areas on the Programme are as follows:
 - Resource availability across Test, Data, Business change & Transition
 - Effective prioritisation of SMEs & Functional leads via the resource management process is still suboptimal
 - There are areas of the Programme that require additional resource augmentation, especially should additional concurrency be added to delivery plans
 - Overall Functional Test progress:
 - Continued challenges of RGMA delivery and Reconciliation invoicing for required MT execution dates
 - Unplanned test scope items require assignment to a test phase E.g. Potential traceability gaps
 - MT support model requires careful monitoring given the limited participation to date and the possibility for a much sharper step change in activity and support requirement
 - Performance Test progressing slowly, with a risk that baselining activity will not complete within current schedule – Leaving stress and endurance test risks to be mitigated
 - Progress made with redefinition of the Data Strategy however the roadmap to validation of the data quality of the full UK Link data set requires definition
 - Concerns over release and code management processes persist given the concurrent level of testing now underway
 - A consolidated view of ‘at risk’ scope items must be formulated and communicated to industry at the appropriate time.

- ▶ Key remedial recommendations are:
 1. Resource:
 - Perform a senior management review of SME & Functional lead prioritisation held using the Programme resource management tool as appropriate
 - Take action to augment identified areas of resource shortage – Test, Data, Defect/Fix, BW
 - Set up dedicated team to resolve RGMA clarifications and associated design, build & test activities
 - Ensure appropriate control points are in place to manage resource allocation to the MT support model
 2. Increased Xoserve management team accountability for enacting identified remedial actions to Programme risk areas, through use of 'intensive care' reporting into senior governance
 3. Confirm environment plans to de-risk downstream performance test and enable testing of residual scope items
 4. Establish detailed approach and plan for delta data loads & mechanism for assessing and proving data quality ahead of Go Live – E.g. Use of SAP Infosteward or alternative validation and profiling
 5. Improve control of code within QAS2 through establishment of an environment owner and reduction in the number of code drops to ensure prerequisite testing has been performed

Plan & Risk Horizon

Industry POAP extract (8th Feb)



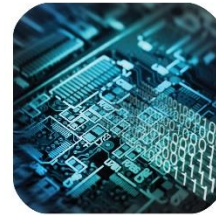
Issue/Risk
<p>① </p> <p>Unique sites plans carry a significant level of risk, however Build has progressed largely to plan with regret effort to unpick common code if deferred.</p>
<p>② </p> <p>Onwards interim RAASP plan requires further detail, and confirmation is required for the full soln. future build dates.</p>
<p>③ </p> <p>E2E test</p> <ul style="list-style-type: none"> There are currently no plans in place to validate and fill Test Traceability gaps Plans for RGMA delivery are still incomplete and at risk for full MT L3 readiness by April (E.g. DUC files) Higher confidence in Capacity & Commodity invoicing however Reconciliation Invoicing testing has been limited in E2E due to data availability. A manual fix is in progress for UAT.
<p>④ </p> <p>Robustness of release management inc Regression testing needs improvement – This urgently needs action and monitoring given the concurrent testing streams underway (PT, MT & UAT/Confidence).</p>
<p>⑤ </p> <p>Internal CR delivery pipeline and related external release plan – CR delivery plans are still at risk (Dec file formats, ERR/FRJ) with discussions ongoing over overall deliverability of CR pipeline.</p>
<p>⑥ </p> <p>Unplanned test elements urgently require planning and resourcing – E.g. Potential traceability gaps.</p>

Issue/Risk
<p>⑦ </p> <p>PT Phase 1 continues significantly behind plan, with mitigations required should full lifecycle execution not be possible</p>
<p>⑧ </p> <p>Residual Performance test scope items need landing – To include Gas day Batch jobs, BW delta pot, and any fall out from required NFR traceability/evidencing</p>
<p>⑨ </p> <p>Market trials</p> <ul style="list-style-type: none"> Participation continues to be relatively low and the risk of backloading testing (and hence defect identification) is rising. This also places challenges on the scaling of the MT support model DM CSEP data activities are slipping and are at risk for MT start There is a risk that not all exceptions are being identified and actioned.
<p>⑩ </p> <p>Some progress made with strategy refinement for subsequent Data Migration cycle performance. Detailed approach for delta migrations is required as is plan for confirming full load data quality.</p>
<p>⑪ </p> <p>Business Transition requires urgent attention to lock down legacy change scope and TTODS plan, supporting with required resources.</p>
<p>⑫ </p> <p>CIA and training timelines at risk due to upstream dependent deliverables and availability of SME resources.</p>



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3. L3/L4 Market Trials Update



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Market Trials L3/4 progress

9th March 2016

Participation levels for Tranches 1 & 2

Constituent group Tranche 1 (from 1 st February 2016)	Total Number of Files Submitted	No of successful files	No of rejections	% of successful files	Constituent group Tranche 2 (From 15 th February 2016)	Total Number of Files Submitted	No of successful files	No of rejections	% of successful files
Big 6	300	210	90*	70%	Big 6	126	104	22	82%
I & C	22	18	4	82%	I & C	267	188	79**	70%
Challenger	2893	2857	36	99%	Challenger	74	71	3	96%
GT	20	7	13	35%	GT	83	38	45	46%
iGTs	11	8	3	73%	iGTs	36	27	9	75%
Total	3246	3100	146		Total	584	428	158	

Note : rejections are from EFT and Marketflow and NOT from SAP ISU

Figures are as at cop Monday 7th March 2016

Large number of rejections due to :

* XN being used instead of TN

**Incorrect speech marks used in a complete file

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Participation levels for Tranche 3 from 1st March 2016

Constituent group Tranche 3 (from 1 st March 2016)	Total Number of Files Submitted	No of successful files	No of rejections	% of successful files
Shippers	38	35	3	92%
iGTs	20	13	7	65%
Total	58	48	10	

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Key messages

- The system is fully automated and operating to production timescales
- File flows are operating as expected regardless of data type i.e either real or dummy
- 26 out of 43 organisations are now participating
- Of the 43,950 transactions which have been processed :
 - The Big 6 have been responsible for 44% of these transactions
 - However, one Big 6 organisation has been responsible for 90% of these transactions
 - One of the Challenger organisation remains the most active across the industry is responsible for 49.6% of the total transactions which demonstrates the level of activity carried out by the remainder of the industry.
 - The remainder of the industry is responsible for just 6.4% of transactions
- AQ process starts in March, however, the effectiveness will be limited due to the low level of meter reads submitted to date

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Defect Position

Priority	Data Defects		Functional defects		Total defects	
	Open	Closed	Open	Closed	Open	Closed
Critical P1						
High P2			3	3	3	3
Medium P3	1		40	24	41	24
Cosmetic P4				1		1
Total	1	0	43	28	44	28

* All P2 defects are either in the final stages of testing or ready to go to RDB.

Top defects outstanding:

- CIC – No response. Having significant impact for one organisation. Waiting for transport to UAT environment. Aiming for deployment 11/3.
- DCF – CONFIRMATION_EFFECTIVE_DATE populated with incorrect registration date – Fix in Progress. (DCF Job on hold.)
- There are some instances where expected responses not being received.
 - Associated with a number of underlying causes, which are being investigated.

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UK Link Programme RGMA Delivery

PNSG
March 2016

Executive Summary

- RGMA functionality is in the latter stages of UAT testing. The team is currently focused on closing out both E2E and validations/rejections testing. In parallel to this, delivery work is underway to cater for additional functional scenarios identified during testing
- This slide pack summarises the RGMA delivery plan into a **Plan on a Page (POAP)**. The plan details the remaining delivery activities required to **ready RGMA functionality for Market Trials by 15th April**
- The plan contains a level of risk which is primarily driven by highly constrained timelines to conclude all delivery activities
- Xoserve is currently exploring a number of key 'delivery enablers' including co-locating the RGMA test and development teams
- Based on the current plan, Xoserve forecasts that **Core RGMA processes will be ready for Market Trials by mid April** (subject to delivery enablers being implemented and the impacts of any new defects)
- **Data Update Code (DUC) functionality will not be ready** – a number of key design clarifications are outstanding in this area which must be concluded before a delivery path can be determined. Used by a low number of organisations and proposed for descoping.
- Xoserve will **prioritise delivery activities associated with Core processes**, in particular the testing, and therefore the readiness RAG associated with **non-core processes is currently amber**

RGMA Delivery POAP

Xo RGMA specialist input required

Technical Team Led

Delivery Activity	Metrics	7-Mar	14-Mar	21-Mar	28-Mar	04-Apr	11-Apr
Documentation Updates	3 FS (multiple updates)	Documentation Updates					
Clarifications Pending	~ 50 TCs*	Clarify	Build & FUT	Test Prep	Test		
Clarifications Build Required	~ 35 TCs*	Build & FUT		Test Prep	Test		
Clarifications Test Only	~ 65 TCs*	Test Prep	Test				
E2E RGMA Activities	73% (97/133)	Test					
Rejections TT (SAP & AMT)	40% (110/270)	Test (non RGMA core resource)					
Defects Requiring SAP fix	~ 20	Build & FUT			Test		
Defects in retest	TBC	Test					
Regression	TBC					Test Prep	Test

* Test case numbers indicative only

Plan Commentary

Essential Delivery Enablers	Residual Delivery Risk Areas
<ul style="list-style-type: none"> • Co-location (offshore) of test & development team – urgent action needed due to visa/travel needs • Test formally evidenced once (in UAT environment) (extended FUT used instead of a ST) • Collaborative test execution between Wipro / Xo test resources (rather than Wipro test / Xo assure) • Immediate proactive defect cleanse activity (to assess complete defect picture) and rigorous on going defect management • Clarifications log centralised, controlled and then used as a formal requirements register (SR update into RRC completed retrospectively) • Iterative design document review • Regression testing combined with clarification test cases (multiple records within files) for test efficiencies 	<ul style="list-style-type: none"> • Code changes concentrated on a few common objects (prevents ‘drip feed’ into testing due to technical constraints) meaning testing is concentrated at the back end of the plan and build dates at risk should further defects be identified • RGMA specialist resource constraints with limited options to bolster the team • Test case volumes associated with clarifications requires further validation • High dependency on AMT support and SPR close out. <i>NB AMT effort yet to be included in the plan</i> • Outstanding (global) splitting & routing issue – SAP solution being investigated (internal DAG governance decision pending) • Object overlaps with US / CR development may cause technical conflicts
Scope Reduction Options	Business Process Implications
<ul style="list-style-type: none"> • Data Update Code (DUC) • Risk based testing of clarification test scope (low volume, non core test cases to be deprioritised) 	<ul style="list-style-type: none"> • DUC: Low volume. Necessitates the use of 2 files in sequence (UPD, JOB) rather than a single file (JOB) to complete an asset update and then an exchange. Engagement with impacted industry parties is underway.

RGMA Process Healthcheck

Global Defects	RAG for MT Readiness	Impact if outstanding
Splitting & Routing	A	<ul style="list-style-type: none"> A single input file (containing multiple transactions) will generate multiple responses
Minimum Data Requirements	G	<ul style="list-style-type: none"> Non mandatory fields will be treated as mandatory and therefore JOB / UPD will need to be fully populated, else it will fail
Shipper Validations	G	<ul style="list-style-type: none"> RGMA updates will only be permissible for 'Live' sites only (updates for Confirmed or Requested sites would fail)

RGMA Process		RAG for MT Readiness	Critical defect requiring SAP fix exists?	Indicative volumes of non critical defects which require SAP fix	Clarifications by process impacts <i>(69 clarifications / 93 process impacts)</i>
Asset Install	CORE	Y	N	< 5	6%
Asset Removal		Y	N	< 5	12%
Asset Exchange		Y	N	< 5	12%
Asset Update (Billing Critical)		Y	Y	< 5	12%
Asset Update (Non Billing Critical)		Y	N	< 5	8%
Validation Testing		A	Y	> 10	23%
Non Core Scenarios	A	N	> 10	28%	

Supporting definitions

Term	Definition
Clarifications	<ul style="list-style-type: none">• Additional scenarios identified during the RGMA test phase. All scenarios have required detailed analysis including investigation into the corresponding functionality within the legacy solution. Following the analysis, classifications have been categorised into those requiring further development work and those requiring testing only
Non Core Process	<ul style="list-style-type: none">• Specific / lower volume scenarios which sit outside the core asset install / removal / exchange / update processes
Global Defect	<ul style="list-style-type: none">• A defect impacting all RGMA processes
Critical Defect	<ul style="list-style-type: none">• A defect which severely impacts functionality but is localised to a particular process(es)
Non Critical Defect	<ul style="list-style-type: none">• A defect with only minor functional impacts

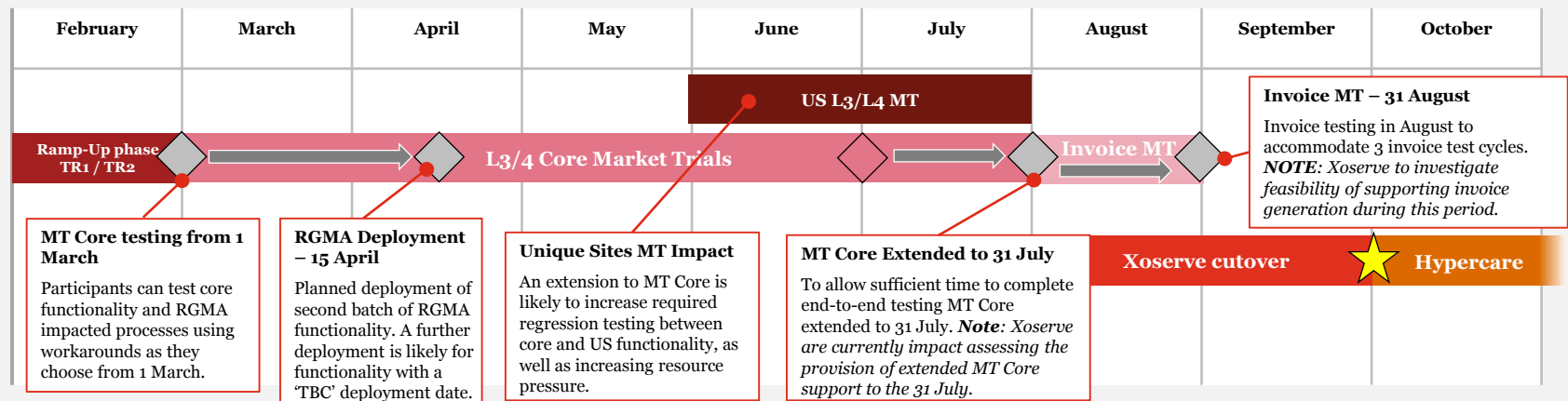
3.2. MTWG recommendation – MT plan adjustment for RGMA

On 8 February 2016 the PNSG asked the MTWG to consider how best to adjust the MT plan to accommodate potential late delivery of RGMA functionality by Xoserve.

The MTWG representatives asked their constituents six questions to **gather a market wide view** on the likely impact of late delivery of RGMA. Constituents were also provided with the Xoserve view of **when RGMA functionality would be delivered** and potential **interim workarounds**. Responses were received from **24 participants** and the key messages included:

- Until the delivery date of all RGMA functionality into MT is known it is **not possible to fully assess the impact** on MT timelines. As such, the MTWG recommendation is **subject to change** when this information is made available.
- There is a **clear preference** among shippers and iGTs to only commence testing of RGMA impacted processes from **15 April** or when **all functionality is available**.
- To **exit MT Core on 30 June** shipper organisations defined a range from **8 April to 2 May** as the latest date when RMGA functionality must be available.
- Participants require **2 or 3 invoicing test cycles** once RGMA functionality is available.

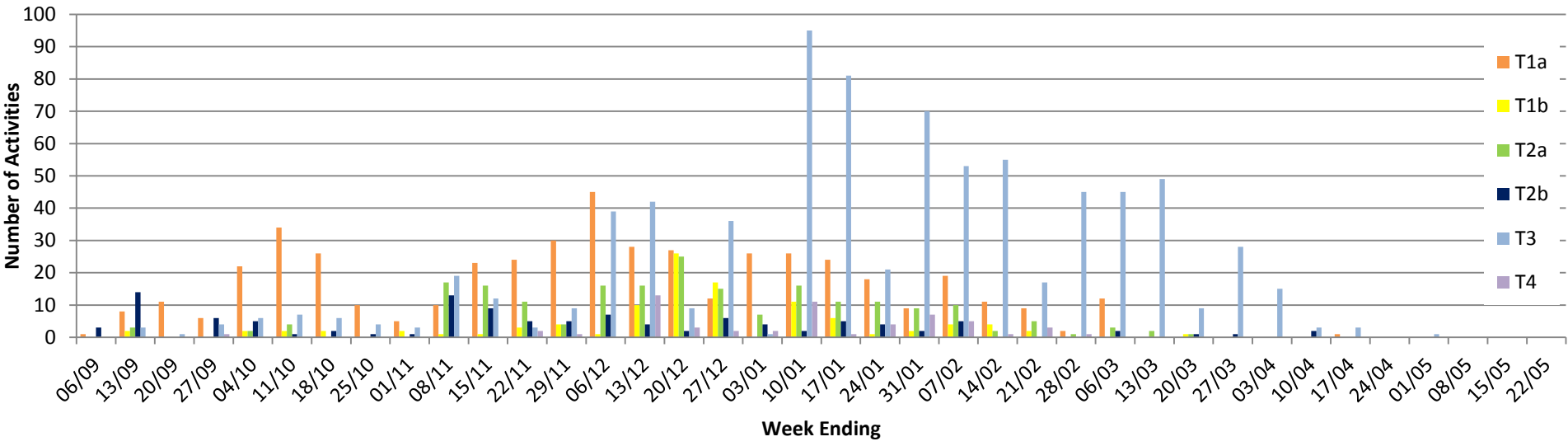
Based on this feedback the MTWG recommend the following changes to the MT plan:



Information is based on 26/02/2016 position

- T1A** – SPA
- T1B** – RGMA
- T2A** – Reads
- T2B** – AQ / Correctional Weather Variance
- T3** – Invoicing
- T4** – Gemini & CMS

Xoserve E2E UAT Progress Update

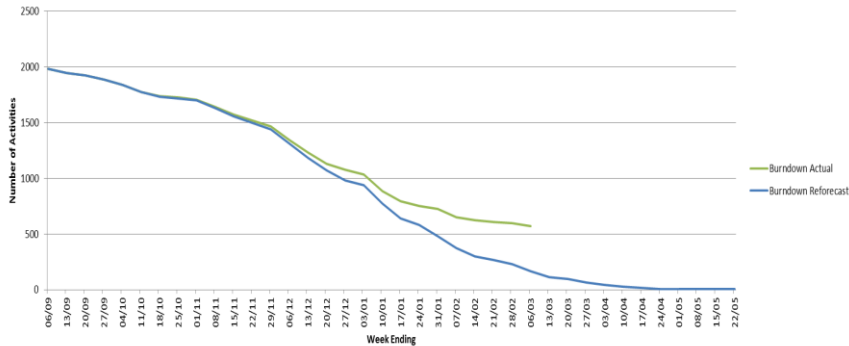


Xoserve UAT Progress Report

E2E Completion:

Pre-Invoice milestone activities completed: **92%**

Overall milestone activities completed: **68%**



UAT Burndown Graph

Gap between planned and actual due to catch up activities on Invoicing. These milestones will be completed in bulk following validation of invoice.

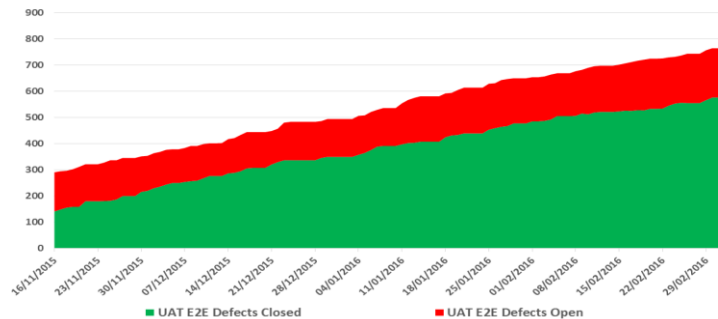
Key Outstanding Processes:

- Primes and Subs scenarios (Reads and SPA)
- RGMA scenarios
- Further AQ runs (repeating earlier scenarios)
- Invoicing (primarily reconciliation) scenarios

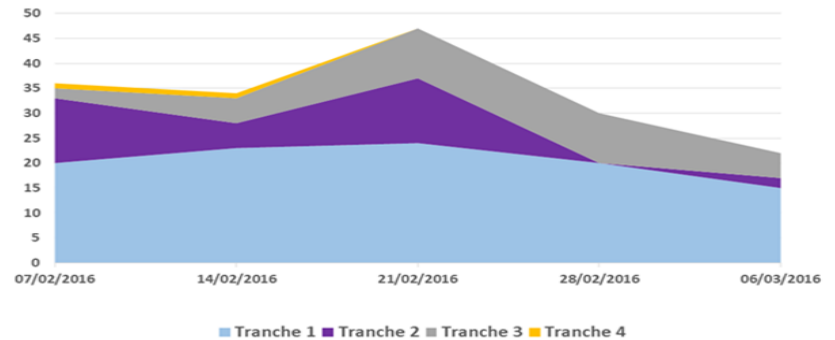
Process Area	% of Tranche Remaining	Remaining as a % of Total
SPA (T1A)	6%	1%
RGMA (T1B)	19%	1%
Reads (T2A)	13%	1%
AQ/CWV (T2B)	13%	1%
Invoicing (T3)	68%	23%
CMS/Gemini (T4)	5%	0%

Defects Overview:

- Drop-off in new UAT defects in recent weeks
- Decreasing number of pre-invoice (T1 & T2) defects being identified as these process areas are closed out



UAT Defect Closeout Graph



Defects by Tranche

4. Unique Sites Progress Update



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Unique Sites Plan: **Risk Assessment**

Introduction

Context

- At PNSG on the 22nd February, Xoserve presented a view of the Unique Sites delivery plan and contingency options analysis
- Upon review, PNSG requested further information on the Interim solution available, with a view to making a decision on the deferral of the full unique sites solution
- The request consisted of 3 components:
 - **A revised position and confidence view of Unique sites delivery plan & status**
 - **A description of the potential interim solution**
 - **Validation of the feasibility of implementing this interim solution**

Status

- The end to end delivery plan is still considered to contain risk but progress continues broadly to plan from a solution perspective (Build completed to plan and System Test commenced on schedule)
- Progress against the data plan continues to face challenges, however there is currently little risk to downstream activities due to contingency in this area of the plan and
- Analysis has continued on the design and feasibility of an interim solution – Based on continued operation of the legacy solution
- Further detailed analysis would be required to fully understand the impacts – This has currently not been completed due to the impact on the full solution delivery plans

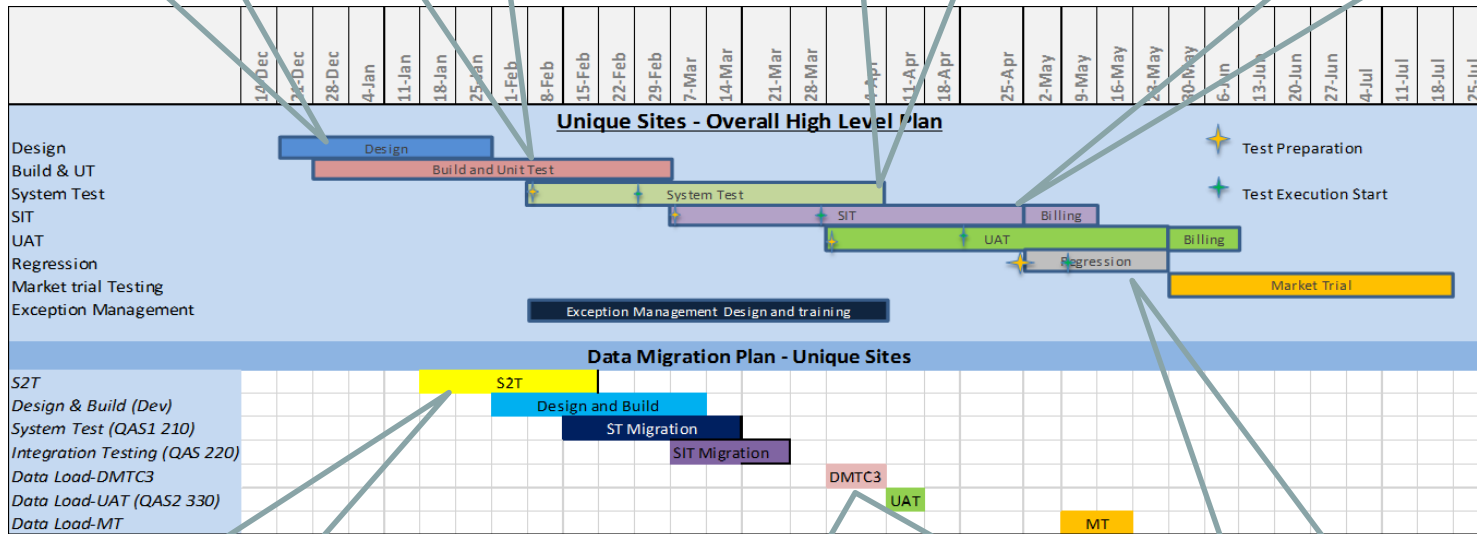
Unique Sites Plan – Update Status

- Detailed design is complete
- Industry design walkthrough completed

- Build completed to plan
- Completion of design has clarified a reduced level of overlap with core functionality (19 objects rather than 31)

- Test scope clarity improved with completion of design/build
- Validation/SR mapping in progress
- ST commenced to plan and underway in line with Build completion

- Early business test involvement initiated to drive early quality
- UAT still overlaps with MT to accommodate the full invoicing cycle & need coordination to align billing activity
- Any slippage to test timelines may make the current MT window unviable



- S2T in progress and forecast to complete 16th March
- DM Design & Build is ~2 weeks behind plan
- There are however ~ 3 weeks of contingency with no impact to critical path activities

- Additional validation activity added to improve 'fix first time' rates for data defects
- DMTC3 activities may be further rescheduled dependent on validation outputs
- Any slippage within SIT migration will directly impact downstream data timelines
- It's essential that migrated data is utilised within the SIT phase – However MT intends to use dummy data

- The regression test timeline is challenging given the no. of common objects impacted
- An appropriate level of regression test will also need to be accommodated within the MT phase

Deferral Considerations

Area	Consideration	Flash Impact
UK Link Design	<ul style="list-style-type: none"> Functional changes would be required in SAP to enable new UK Link to interface with the Unique Sites offline solution (even if manually) currently not in the design. Build has completed and hence significant effort will be required to unpick code changes already made Changes to SAP BW data model design required to align with US data model as maintained in offline system. Additional interfaces to SAP BW required to be designed and built for reporting on Unique Sites 	H
Legacy Functional	<ul style="list-style-type: none"> Several files which are currently flagged for decommissioning would need reinstating There are external implications to Shippers, GT's & DMSP's in continuing with the current file flows/interfaces Legacy solution to be sustained including offline systems but changes are required to the legacy offline US system to allow for ratchets and invoicing number range which are treated differently in the new system. If this does not take place it will impact the ability to generate and send invoices for Unique Sites IGMS CV files, currently decommissioned, are required to continue to allow for energy calculations Change to Gemini system to allow for BUS (Unique Sites Measurements) file processing. This has been decommissioned as part of Gemini consequential changes. Additional interface development between offline system and BW to allow for reporting on Unique Sites 	H
Governance	<ul style="list-style-type: none"> Unique Sites may need to become a defined term to exclude such sites from new arrangements File format changes will require approval via UKLC (those currently decommissioned which need reinstating) Approval of the interim solution will be required from PNUNC as some of the Nexus requirements will not be met (e.g. Rolling AQ, Enquiry process for consumption details; read validation; removal of BSSOQ; Seasonal Large Supply Points) 	M
IS Operations	<ul style="list-style-type: none"> US database would require sustaining and supporting Current DB growth rates would support deferral to a future release (based on current design) Operational process support impacts would need further analysis 	L



Interim Solution Detail: Impact of moving to an Interim Solution

Area	Summary	Impact of moving to an interim solution			
		Process	Interface	System	Industry Impact
Registration Process	<ul style="list-style-type: none"> Rejection of any SPA requests in SAP for US Manual reporting of consumption data needed from US database New SPA file formats include records & data specific to US Interface file to & from Gemini & US database have been decommissioned Confirmation Reference changed on external files to accommodate LMN Internal requirement to create SPA files in order SAP is aligned to US database 	M	H	H	M
Read and Energy Calculation	<ul style="list-style-type: none"> Read files will be submitted by SGM and PGM, to continue as is. SCK (CV) File to come from IGMS to continue. Manual checks to be in place for CV mismatches. No change in BUS file required. Change required in Gemini Monitoring Module which is low complexity. 	H	H	H	M
Rolling AQ	<ul style="list-style-type: none"> This process will not be applicable for Unique Sites 	M	L	L	L
Billing	<ul style="list-style-type: none"> Unique Sites Invoice file would need to be re-instated Charge calculation will happen in US and BAL file will be generated. BAL file will be processed in SAP where invoice number will be generated. Change required in US to change the invoice number field length. USI and USR file will continue to go from US. No impact from RBD perspective DMSP impacts for offline remand needs to be further understood 	M	M	M	M
Reporting	<ul style="list-style-type: none"> New / updated reports required to manage off line / manual processes for US Mod 565 liabilities needs further consideration, may require BW reports 	L	L	M	L
DES	<ul style="list-style-type: none"> US will not be included on DES until they are migrated to SAP 	L	L	L	M



Summary & Recommendation

- Further clarity has been gained on the feasibility of sustaining the legacy unique sites solution.
- Build activities are complete and therefore significant effort is required to “unpick” the integrated code
- The changes to interfaces, legacy US solution, SAP BW and new UK Link are significantly complex, not currently planned and not achievable in the delivery timelines
- Xoserve’s recommendation is therefore to continue with the full Unique Sites SAP solution development, and look to de-risk future phase delivery through alternate measures

4.2 Unique Site Deferral – Participant Feedback

On 22 February the PNSG requested PwC to seek participant feedback on any 'big picture' negative impacts of continuing with legacy systems or other interim arrangements to cover Unique Site (US) processes.

18 participants responded to the survey added to the Project Nexus Portal. The key messages are outlined in the table below:

Key Messages

13 respondents across all Market Sectors except the Challenger community have indicated US form part of their portfolio. **8 of these respondents** indicate that they carry out processes relating to US **daily or weekly**

6 respondents have confirmed that they **have completed the build and internal testing** of their Nexus US solution and are ready for Market Trials.

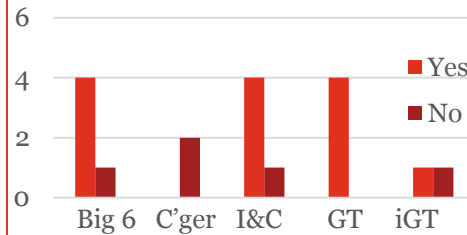
1 respondent rated the impact as **Medium** and **6 others** have raised specific concerns relating to the **potential impact of decoupling the US system solution from 'Core'** and the subsequent need for **regression testing**. This is specifically if US system solution has been included within the new 'Change of Supplier' processes;

11 respondents have indicated that **the impact of deferring the US solution is 'Low'**. The main benefit is consistently stated as being the **automation** of manual processes. However, the majority do not see this as being significant enough to risk a delay to the delivery of 'Core' on 1 October 2016.

1 respondent noted that due to the relatively small number of US sites that can actually be systemised (~75) the **cost benefits** of pursuing a system solution can not be justified.

4.2 Unique Site Deferral – Participant Feedback

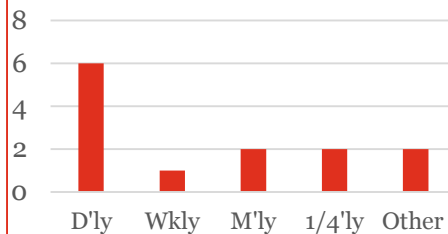
1. Are Unique Sites relevant to your business



Insights

- 13 respondents have indicated US form part of their portfolio.

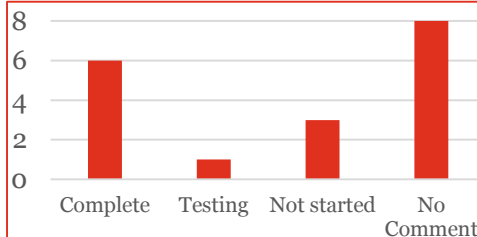
2. Broadly, how often do you need to execute a process relating to Unique Sites?



Insights

- 6 respondents indicate that they carry out daily processes.
- Primarily the daily processes carried out relate to Invoicing and not change of supplier

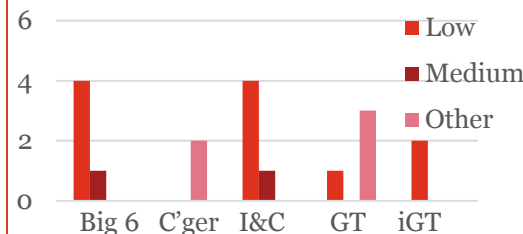
3. What stage is your project at regarding the Unique Sites System Solution for Nexus?



Insights

- 6 respondents indicated they have completed US build and test and are awaiting Market Trials.

4. How significant would the impact be to your organisation, if the Unique Sites System Solution were to be deferred at this point?



Insights:

- 11 respondents rated the impact of deferral as 'Low'
- The main benefit is seen as the automation of manual processes.
- Main risk is the impact of decoupling the solution at this point.

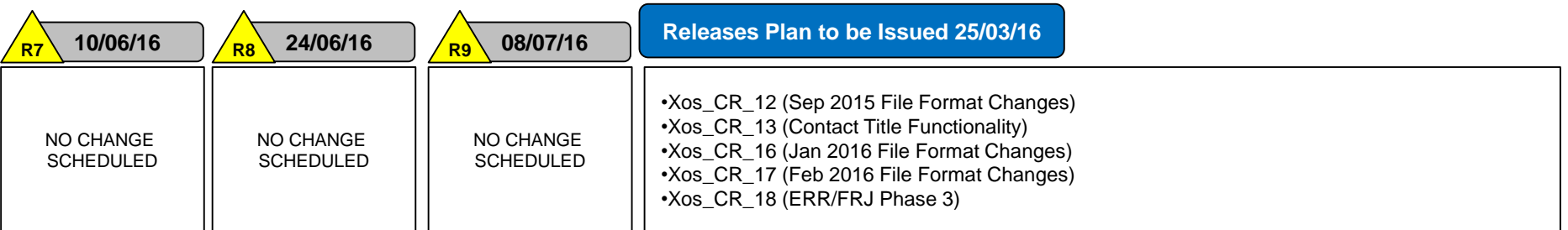
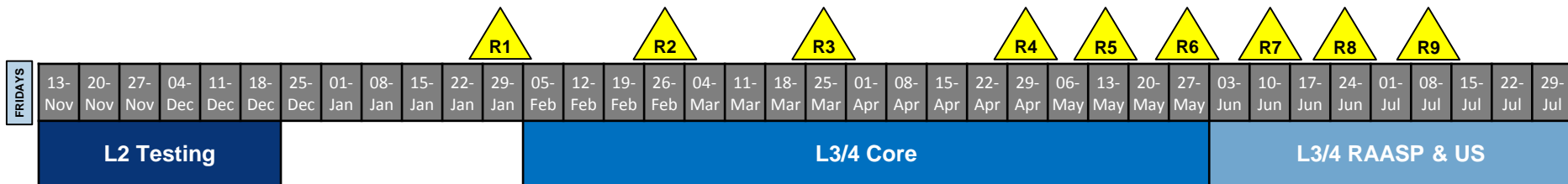
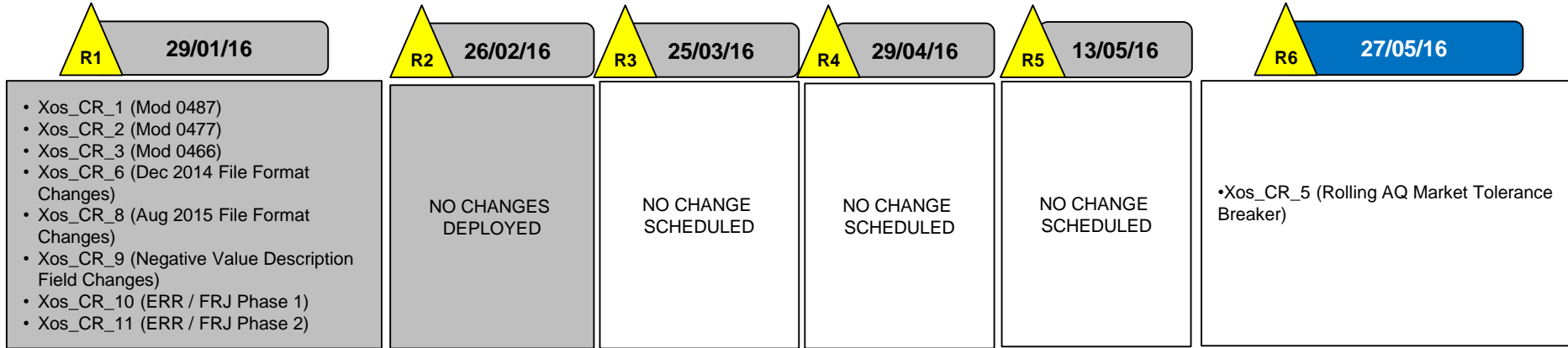
5. Transition and Go-Live Readiness

Note – *Next update to be provided at PNSG on 11 April*

6. Change Pipeline and Release Plan

Xoserve Release Management Plan

(1/4)



Changes Since Last Published Plan

(2/4)

- R1 – 29/01/16 – Changes Deployed:
 - Xos_CR_1 (Mod 0487)
 - Xos_CR_2 (Mod 0477)
 - Xos_CR_3 (Mod 0466)
 - Xos_CR_6 (Dec 2014 File Format Changes)
 - Xos_CR_8 (Aug 2015 File Format Changes)
 - Xos_CR_9 (Negative Value Description Field Changes)
 - Xos_CR_10 (ERR / FRJ Phase 1)
 - Xos_CR_11 (ERR / FRJ Phase 2)

- R3 – 25/03/16 – Change Rescheduled:
 - Xos_CR_13 (Contact Title Functionality) Will not be delivered in this release. Revised delivery date being planned.

- R4 – 29/04/16 – Changes Rescheduled:
 - Xos_CR_14 (Suspecting Reads following Asset Attribute Update. Monitored in Market Trials and no change is required)
 - Xos_CR_15 (AMT validation for 'no such file type'). Change deferred to post go-live.

- R5 – 13/05/16 – Changes Rescheduled:
 - Xos_CR_12 (Sep 2015 File Format Changes)

- Release plan to be issued 25/03/16
 - Xos_CR_12 (Sep 2015 File Format Changes)
 - Xos_CR_13 (Contact Title Functionality)
 - Xos_CR_16 (Jan 2016 File Format Changes) – New Change
 - Xos_CR_17 (Feb 2016 File Format Changes) – New Change
 - Xos_CR_18 (ERR/FRJ Phase 3) – New Change

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Release Management Plan

(3/4)

Date Added	Xoserve CR No.	Industry Reference No.	Industry Change Title	Functional description of change	Impacted Stakeholders				Release No.
					Shipper	GT	DMSP	iGT	
01/12/2015	UKLP CRDBI005	Xos_CR_1	Mod 0487	File format changed to include AMR and ASP details. Changes made in GEA file to include ASP details in it. File for registration process changed to include the AMR indicator. Changes made in other interface systems such as the Business Warehouse to store the AMR and ASP information. The purpose of the MOD is to ensure that Suppliers can find out if Automatic Reading equipment is at site.	YES	NO	NO	NO	R1 - 29/01/2016
01/12/2015	UKLP CRDBI007	Xos_CR_2	Mod 0477	Faster switching changes are captured in RRC during design phase. Changes include to the minimum confirmation timescales to 14 days instead of 20days. There is no change to the timescale for shared site registration process.	YES	NO	NO	NO	R1 - 29/01/2016
01/12/2015	UKLP CRDBI008	Xos_CR_3	Mod 0466	Amend the time the MDR file is provided to Shippers (i.e. currently sent at 11.00hrs to be sent at 12.00hrs). DMSPs to provide DLC files later, (i.e. currently provide DLC file at 08.30hrs will be able to provide DLC files at 09.30hrs).	YES	NO	YES	NO	R1 - 29/01/2016
01/12/2015	UKLP CRDBI008A	Xos_CR_4	Mod 0466A	Amendment to the Performance Relevant standards associated with Daily Metered sites. D+1 liability to apply at 2pm. -D+1 Liability charge to reduce to £3 from £30.	YES	NO	YES	NO	No industry impact
01/12/2015	UKLP CRDBI054	Xos_CR_5	Rolling AQ Market Tolerance Breaker	Introduction of new checks while doing the rolling AQ calculation and as per current RRC rules, will run until 3 years after the go live date.	YES	NO	NO	NO	R6 - 27/05/2016
01/12/2015	UKLP CRDBI055	Xos_CR_6	December 2014 File Format Changes	Following the review by Shippers of all File Formats that were consulted on as part of the UNC Section U UK Link Committee process, all accepted changes to the original baselined File Formats have been agreed with Shippers. Agreed changes to the original versions of products (records, files or hierarchies) require changes to be made to the agreed December 2014 Shipper File Formats.	YES	NO	NO	NO	R1 - 29/01/2016
02/12/2015	UKLP CRDBI089	Xos_CR_7	Mod 0466AV	Amendment to the performance relevant standards of service (liabilities) associated with Daily read provisions, and so changes the values and calculations for daily read liabilities, and removes the 97.5% performance standard. Make available within day read data – Hourly reads via IX (User Pays Service) – no requirement to record reads provided just ability to sent Via IX.	YES	NO	YES	NO	No industry impact
01/12/2015	UKLP IADBI124	Xos_CR_8	August 2015 File Format Changes	August File Format Changes Agreed and Approved by Industry.	YES	YES	NO	YES	R1 - 29/01/2016
01/12/2015	UKLP IADBI126	Xos_CR_9	August 2015 File Format Changes	Amendments to the file formats to incorporate negative field values and updating the AMT catalogue based on the revised file formats.	NO	NO	NO	NO	R1 - 29/01/2016
01/12/2015	UKLP IADBI128	Xos_CR_10	ERR/FRJ File Format & Rejection Codes Phase 1	ERR rejection response moving back to legacy logic. Issue 1: Amendments to the ERR file so that the ERR file content has the entire input file attached. Issue 2: Amendments to the response file name so that it is a match to the inbound file (adding .ERR) Issue 4: Rejections codes have been reverted back to legacy codes with no changes to the FRJ rejection codes.	YES	YES	YES	YES	R1 - 29/01/2016

Release Management Plan

(4/4)

Date Added	Xoserve CR No.	Industry Reference No.	Industry Change Title	Functional description of change	Impacted Stakeholders				Release No.
					Shipper	GT	DMSP	iGT	
01/12/2015	UKLP IADBI128A	Xos_CR_11	ERR/FRJ File Format & Rejection Codes Phase 2	ERR rejection response moving back to legacy logic. Issue 3: The behaviour of DLC files when responding to DLC errors has been amended to ensure that XOS are the first three characters of the file name. Issue 5: The file type FSG and a set of six similar files have been amended so that the response does not send ERR/FRJ but instead FSR files (corresponding files).	YES	YES	YES	YES	R1 - 29/01/2016
02/12/2015	UKLP IADBI158	Xos_CR_12	September 2015 File Format Changes	September File Format Changes Agreed and Approved by Industry.	YES	YES	NO	YES	TBC
04/01/2016	UKLP IADBI131	Xos_CR_13	Change to Contact title functionality	SAP functionality is required to be changed to allow the existing 'free format' for contact title updates to continue so Shippers can provide any contact title they wish.	YES	YES	NO	YES	TBC
04/01/2016	UKLP IADBI154	Xos_CR_14	Retro Updates - Suspecting Reads following Asset Attribute Update	Changes are to be made to have a consistent approach to the treatment of reads, being all reads recorded are marked 'suspect' and it will be shipper responsibility to either replace reads or submit a latest reading to trigger reconciliation and generate the adjustment to charges.	NO	NO	NO	YES	Not required
04/01/2016	UKLP IADBI157	Xos_CR_15	AMT Validation for No Such File Type	For inbound files received by AMT where a header record is not correctly populated or formatted and the file is not able to be processed, a validation will be built in AMT to automatically manage these scenarios. All file validation and validation responses are to be automated, so that there are no manual interventions required.	YES	YES	YES	YES	Deferred to post go live
08/03/2016	UKLP IADB164	Xos_CR_16	January 2016 File Format Changes	File format changes agreed and approved by industry					TBC
08/03/2016	UKLP IADB170	Xos_CR_17	February 2016 File Format Changes	File format changes to be agreed by industry					TBC
08/03/2016	UKLP IADB171	Xos_CR_18	ERR/FRJ Rejection Code Configuration	ERR/FRJ rejection response moving back to legacy logic: <ul style="list-style-type: none"> Rejection code mapping as per legacy Generic ERR generation requirement completion 					TBC

7. Xoserve FAQ Progress

UKLP Q&A Process M.I.

Query status by stakeholder type

	DMSP	Network	Shipper	Grand Total as at 04/03/2016	Grand Total as at 05/02/2016	Difference
Closed	22	111	1928	2061	2031	30
Open	1	1	15	17	45	28
Grand Total	23	112	1943	2078	2076	58

All Open Queries Age Analysis

	Figure as at 05/02/2016		Figure as at 04/03/2016		Difference	
	Count	%	Count	%	Count	%
<= 10 days	10	22%	1	6%	-9	-16%
11 - 20 days	1	2%	0	0%	-1	-2%
21 - 30 days	7	16%	2	12%	-5	-4%
31 - 40 days	1	2%	1	6%	0	+4%
> 40 days	26	58%	13	76%	-13	+18%

All Closed Queries Age Analysis

	Figure as at 05/02/2016		Figure as at 04/03/2016		Difference	
	Count	%	Count	%	Count	%
<= 10 days	438	22%	442	21%	+4	-1%
11 - 20 days	577	28%	581	28%	+4	0%
21 - 30 days	360	18%	365	18%	+5	0%
31 - 40 days	185	9%	186	9%	+1	0%
> 40 days	471	23%	487	24%	+16	+1%

Key Messages:

- 99% of all queries raised are now closed.
- 8 questions out of the 17 outstanding have yet to reach a conclusive answer and are still being discussed at UK Link Committee.

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UKLP Q&A Process M.I.

All Open Query Topic by Status			
Topic Area	05/02/16	04/03/16	Difference
AQ	2	2	0
BRD	0	0	0
Check Reads	5	2	-3
CMS	0	0	0
Faulty Meters	0	0	0
File Formats	15	2	-13
Gemini	0	0	0
iGT	2	2	0
Invoices	7	3	-4
Market Trials	0	0	0
Other	1	0	-1
Reads and Settlement	7	5	-2
Reconciliation	1	0	-1
Reporting	0	0	0
RAASP	2	0	-2
SPA & RGMA	3	1	-2
Transition	0	0	0
Unique Sites	0	0	0

All Closed Query Topic by Status			
Topic Area	05/02/16	04/03/16	Difference
AQ	285	285	0
BRD	22	22	0
Check Reads	23	26	+3
CMS	9	9	0
Faulty Meters	28	28	0
File Formats	358	371	+13
Gemini	27	27	0
iGT	193	193	0
Invoices	92	96	+4
Market Trials	25	25	0
Other	262	263	+1
Reads and Settlement	261	264	+3
Reconciliation	24	26	+2
Reporting	2	2	0
RAASP	91	93	+2
SPA & RGMA	313	315	+2
Transition	9	9	0
Unique Sites	7	7	0

Key Message:

- The number of outstanding questions for File Formats now stands at less than 5.
- Outstanding Questions are still been prioritised by process criticality and Market Trials functionality phasing and we now have less than 20 questions remaining.

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