



DSC Delivery Sub-Group

17th June 2019

Agenda (1)

| Item | Title | Document Ref | Lead | Action Required From DSG |
|------|---|--------------------------------------|-----------------------------------|--|
| 1. | Welcome and Introductions | Verbal | Chair | Introduce yourself |
| 2. | Meeting Minutes | Verbal | Chair | Approval of the meeting minutes for the previous meeting |
| 3. | Defect Summary | <u>Slides Only</u> | Mark Tullett | None – For Information and Discussion |
| 3a. | Issue Management | <u>Slides Only</u> | Michele Downes | Standing agenda item – for information (if there is an update) |
| 4. | Portfolio Delivery | | | |
| 4a. | Portfolio Delivery Overview POAP | <u>POAP published on Xoserve.com</u> | | Standing agenda item – for information (if there is an update) |
| 4b. | Retail and Network Delivery Overview | <u>Slides only</u> | Richard Hadfield/Julie Bretherton | Standing agenda item – for information (if there is an update) |
| 4c. | Data Delivery Overview | <u>Slides Only</u> | Jane Goodes | Standing agenda item – for information (if there is an update) |
| 5. | Major Release Update | | | |
| 5a. | June 19 | Slides Only | Simon Burton | Standing agenda item – for information (if there is an update) |
| 5b. | End User Categories 19 | Slides Only | Matt Rider | Standing agenda item – for information (if there is an update) |
| 5c. | November 19 | Slides Only | Tom Lineham | Standing agenda item – Reporting for XRN4621 |
| 5d. | Minor Release Drop 4 | Slides Only | Bali Bahia | Standing agenda item – for information (if there is an update) |
| 5e. | Minor Release Drop 5 | Slides Only | Richard Hadfield | Standing agenda item – for information (if there is an update) |
| 5f. | Retrospective Updates | Slides Only | Paul Orsler | New Agenda Item for information |
| 6. | New Change Proposals For Ratification of the Prioritisation Scores | | | |

Agenda (2)

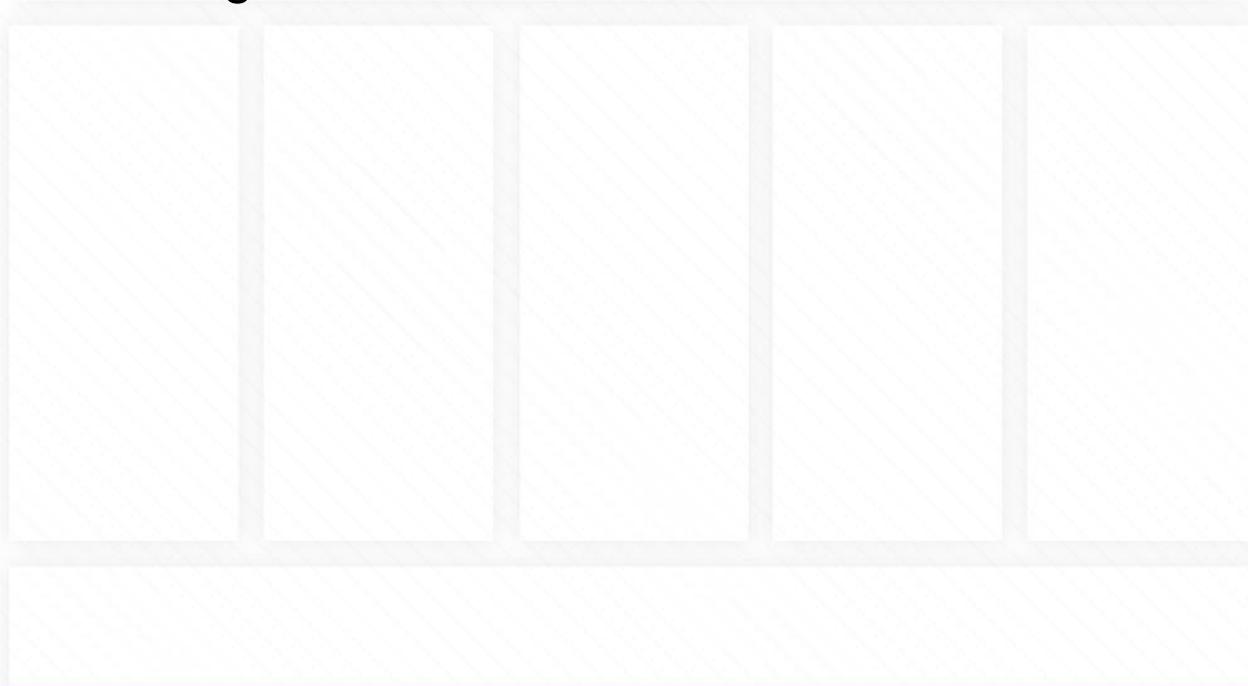
| Item | Title | Document Ref | Lead | Action Required From DSG |
|------|--|-------------------|---------------|--|
| 6a. | XRN4894 Shipperless and Unregistered Pre-Payment Supply Points Reconciliation | | | Removed as CP withdrawn |
| 6b. | XRN4946 Reporting on Installed Meters with Conversion Capability | CP on Xoserve.com | Megan Troth | Ratification of the Prioritisation Score |
| 6c. | XRN4955 Amendment of MDD PSR Needs Codes and Needs Code Descriptions | CP on Xoserve.com | Simon Harris | Ratification of the Prioritisation Score |
| 6d. | XRN4941 – Auto updates to Meter Read Frequency | CP on Xoserve.com | Simon Harris | Ratification of the Prioritisation Score |
| 7. | Change Proposal Initial View Representations | | | |
| 7a. | Update on XRN4645 - Rejection of incrementing reads submitted for an Isolated Supply Meter Point. (RGMA Flows) | Slides | David Addison | None – For Information and Discussion |
| 8. | Undergoing Solution Options Impact Assessment Review | | | |
| 8a. | XRN4621 - Suspension of the Validation between Meter Index and Unconverted Converter Index | Slides | David Addison | None – For Information and Discussion |
| 9. | Solution Options Impact Assessment Review Completed | | | |
| 9a. | XRN4801 Additional Information to be made viewable on DES | Slides Only | Simon Harris | Removed |
| 9b. | XRN4850 Notification of Customer contact details to Transporters | Slides Only | Ellie Rogers | DSG action to agree preferred option |
| 9c. | XRN4931 Submission of space in mandatory data on multiple SPA files | Slides Only | Simon Harris | Removed |
| 9d. | XRN4932 Improvements to the quality of the Conversion Factor values held on the Supply Point Register | Slides Only | Simon Harris | DSG action to agree preferred option |
| 9e. | XRN4871 Modification 0665 – Changes to Ratchet Regime | Verbal | Ellie Rogers | DSG action to agree preferred option |
| 9f. | XRN4930 – Requirement to inform Shipper of Meter Link Code Change | Slides Only | Simon Harris | DSG action to agree preferred option |

Agenda (3)

| Item | Title | Document Ref | Lead | Action Required From DSG |
|------|--|--|----------------|---|
| 9g. | XRN4955 - Amendment of MDD PSR needs codes and needs code descriptions | Slides Only | Simon Harris | DSG action to agree preferred option |
| 9h. | XRN4865 – Amendments to Treatments and Reporting of CYCL Reads | Slides Only | Simon Harris | DSG action to agree preferred option |
| 10. | Miscellaneous | | | |
| 10a. | IX Update | Slides Only | John Woodward | None – For Information and Discussion |
| 10b. | Shipper / PARR report – Analysis update | Slides Only | David Newman | None – For Information and Discussion |
| 10c. | KVI Survey | Slides Only | Jane Goodes | None – For Information and Discussion |
| 11. | JMDG Update | Slides Only | Simon Harris | None – For Information Only as no change |
| 12. | UIG Update | Slides Only | Leanne Jackson | None – For Information Only as no change |
| 13. | CSS Update | Slides Only | Emma Lyndon | None – For Information Only as no change |
| 14. | ChMC Update | Slides Only | Rachel Taggart | None – For Information Only as no change |
| 15. | Action Updates | <u>Action log published on Xoserve.com</u> | All | Updates required on DSG owned actions (see below) |
| 16. | AOB | <u>Slides only</u> | Various | TBC |

3. Defects update

- 3. Defect Summary and Dashboard
- 3a. Issue Management





3. DSG Defect Summary

Defect Summary Stats

Stats as per HPQC extract taken on Thursday 13th June 2019.

Defect Landscape (Open/Closed vrs PGL/New)

| | PGL Defects | | | | | TOTAL | Newly Discovered Defects | | | | | | TOTAL | GRAND RELEASE TOTALS |
|---------------------------------|-------------|----------|-----------|-----------|-----------|------------|--------------------------|------------|------------|------------|-----------|-----------|-------------|----------------------|
| | D1 | D2 | D3 | D4 | D5 | | D1 | D2 | D3 | D4 | D5 | Not Set | | |
| Urgent Fix (D1/D2) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Amendment Invoice Task Force | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 17 | 0 | 0 | 28 | 28 |
| R3.16 - 21st June | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 5 | 5 |
| On Hold | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| Requires CR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Release Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Future Release Dependent | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Currently Unallocated | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 4 | 24 | 0 | 0 | 28 | 29 |
| TOTAL OPEN | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 17 | 44 | 0 | 0 | 62 | 63 |
| Closed as Rejected | 0 | 0 | 3 | 14 | 7 | 24 | 0 | 11 | 48 | 45 | 1 | 3 | 108 | 132 |
| Closed as CR | 0 | 0 | 3 | 8 | 0 | 11 | 0 | 0 | 9 | 6 | 0 | 0 | 15 | 26 |
| Closed - Deployed to Production | 0 | 7 | 28 | 58 | 9 | 102 | 9 | 214 | 496 | 255 | 15 | 10 | 999 | 1101 |
| TOTAL CLOSED | 0 | 7 | 34 | 80 | 16 | 137 | 9 | 225 | 553 | 306 | 16 | 13 | 1122 | 1259 |
| GRAND TOTAL | 0 | 7 | 31 | 73 | 16 | 138 | 9 | 226 | 561 | 344 | 16 | 13 | 1184 | 1322 |

R3.14b / R3.15

The below fixes were all deployed to production on 31st May (r3.14b) and 7th June (r3.15)

| Defect ID | Status | Description | Release |
|-----------|---------------------------------|--|---------|
| 1263 | Closed - Deployed to Production | CMS: DUPs contacts Stuck at AWAJ status | R3.14 |
| 1357 | Closed - Deployed to Production | METER_MANUFACTURER_ORG_ID created incorrectly | R3.14 |
| 1269 | Closed - Deployed to Production | NDM Offers being cancelled incorrectly by Ratchet process.g1241 | R3.15 |
| 1316 | Closed - Deployed to Production | CSEP Connection_MAX_AQ and SOQ are populating incorrectly for commodity. | R3.15 |
| 1378 | Closed - Deployed to Production | SAP - BW Reporting issue - CWV Values | R3.15 |

Release 3.16 is scheduled for 21st June 2019.

Note: We are still planning a fortnightly release deployment. However if fixes are ready in the interim, we may deploy in between releases. This is why you may see “a” and “b” suffixes in the release names.

Amendment Invoice Impacting Defects – Open 1

| Defect ID | Status | Primary Business Process | Description |
|-----------|------------------------|--------------------------|--|
| 1278 | Awaiting CAB | READS | Better Estimate on Twin stream sites does not seem to be allocated aggregate energy correctly |
| 1308 | Awaiting CAB | INV | SAP - where a reconciliation covers pre go live period the original variances are created manually causing mismatch issues. |
| 1313 | Awaiting CAB | INV | SAP: Incorrect Charge types for Duplicate Adjustments |
| 1314 | Awaiting CAB | INV | SAP - Incorrect Netting off seen within ASP files when there are multiple re-recs within same month for the same REC period |
| 1318 | Ready For Assurance | INV | Energy does not equal financial charge on the Amendment Invoice |
| 1328 | Awaiting CAB | READS | There are missing variances for a valid reconciliation period causing ASP/AML mismatches (MR16 exceptions) |
| 1329 | Ready For Assurance | READS | SAP - Isolated & Withdrawal adjustment not billed for a Class 1 and 2 Meter Points |
| 1331 | Clarification Required | INV | DM prime REC charges are not getting calculated & presented within ASP supporting information file |
| 1333 | DRS in progress | READS | DM REC financial mismatches |
| 1334 | DRS Needed | READS | RECs processed within D+5 close out are identified to have an inconsistency in terms of mapping the GUID and the REC start/end dates |
| 1338 | Fix In Progress | INV | SAP- The amendments invoice pre-aggregation process is invalidating valid charges causing ASP financial mismatches |
| 1339 | Fix In Progress | INV | SAP- ASP Presentation Mismatch Issue where there is a one day difference between the original REC period and the Re-REC period |
| 1343 | Assigned | INV | The bill document for the C4 LSP site is linked with incorrect REC information |
| 1344 | Assigned | INV | Incorrect pricing rate utilised for billing iGT site for one variance period causing financial mismatches within ASP files. |

Key:

| | |
|--|--------------------------------------|
| | Amendment Invoice Task Force Defects |
| | Standard Defect |

Amendment Invoice Impacting Defects – Open 2

| Defect ID | Status | Primary Business Process | Description |
|-----------|----------------------------|--------------------------|---|
| 1346 | Ready for Internal Testing | INV | There is no variance split shown as part of the C4 REC process (iGT sites) which is causing ASP/AML financial mismatches |
| 1347 | Requires CR | INV | SAP-ASP financial values are presented incorrectly within ASP file for charges under the Transmission networks |
| 1349 | Phased Assurance | READS | SAP -Reconciliation charge issue for Class 3 reads received via UBR |
| 1367 | DRS in progress | READS | SAP- Loading of Class 1 & 2 Reads outside closeout |
| 1369 | Fix In Progress | INV | SAPBW - Class 4 reads showing on 'fallout report' where the read has been made inactive which do not generate a rec - CR315 |
| 1372 | Phased Assurance | READS | Class 4 NDM prime reconciliation on opening (OPNX) read instead of final (FINX) read |
| 1377 | DRS in progress | READS | AML Credit Issue - Incorrect negative Volume and energy is calculated |
| 1386 | Awaiting CAB | INV | AML Fix - Reconciliation data missing in AML file for record type K92 |
| 1388 | Assigned | INV | AML Fix - (SAP) ASP Presentation mismatch issue where there is one day difference between the original REC period and the Re-Rec period |
| 1390 | Ready for Internal Testing | READS | There is a mismatch due to bill documents being reversed however the REC reversal tool does not recognize the code given as a valid reversal reason |
| 1393 | Fix In Progress | INV | ASP Mismatch - Data is failing to write to the mismatch table |
| 1395 | Clarification Required | READS | Meter Reading is inactive in the production system |
| 1396 | New | BW Reporting | AML file missing volume |
| 1399 | New | INV | For Shorthaul sites - incorrect UDQI loaded |

Key:

| | |
|--|--------------------------------------|
| | Amendment Invoice Task Force Defects |
| | Standard Defect |

Amendment Invoice Impacting Defects - Closed

The below defects were deployed / closed since the last slides were issued.

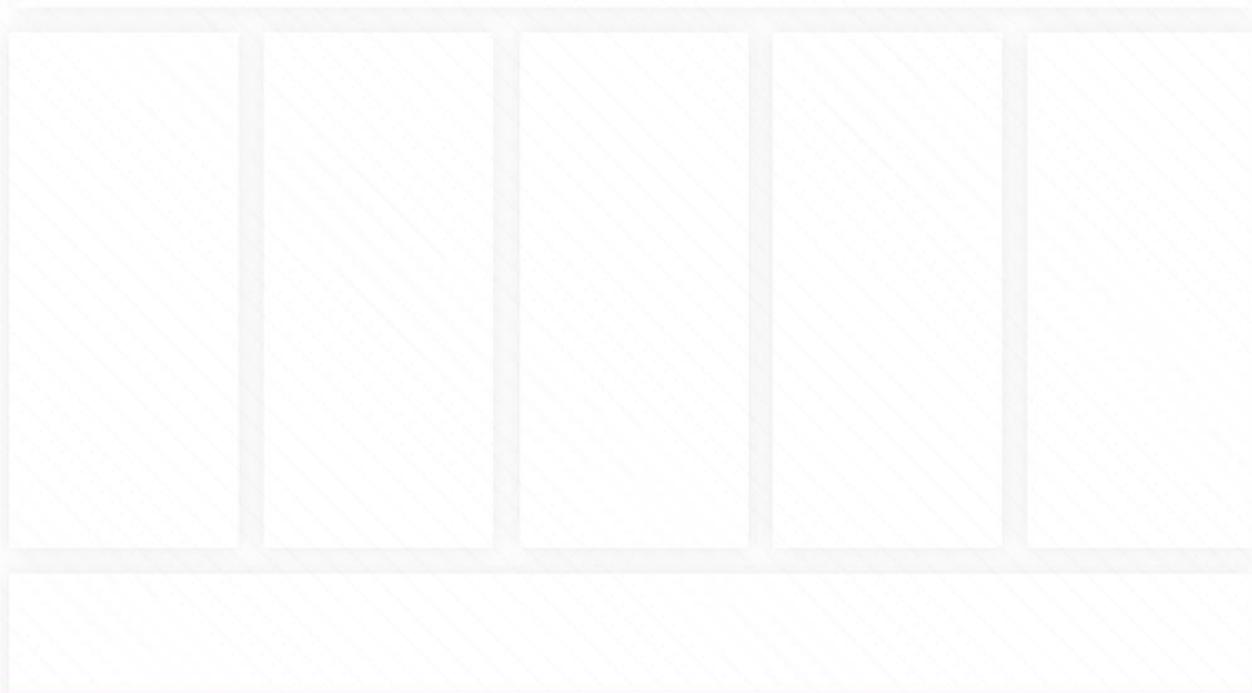
| Defect ID | Status | Description | Dep. Date |
|-----------|---------------------------------|---|-----------|
| 1330 | Closed - Deployed to Production | SAP - Class 3 sites are not presented within the ASP/AML backing data | 31st May |
| 1342 | Closed as Rejected | There is no split in the charge line items for a MRF (Meter Read Frequency) code | 6th June |
| 1345 | Closed as Rejected | There is no variance split for MSC change from 'D' to 'I' within a REC billing period (RCA Feb) | 7th June |
| 1387 | Closed as Rejected | AML Fix - (SAP) Where a reconciliation covers pre go live period, the original variances are created manually causing mismatch issues | 12th June |

Key:

| | |
|--|---|
| | Amendment Invoice Task Force Defects |
| | Standard Defect |

3a. Issue Management

- No updates for this meeting



Portfolio Delivery

- 4a. Portfolio Delivery Overview POAP
- 4b. Retail and Network Delivery Overview
- 4c. Data Delivery Overview

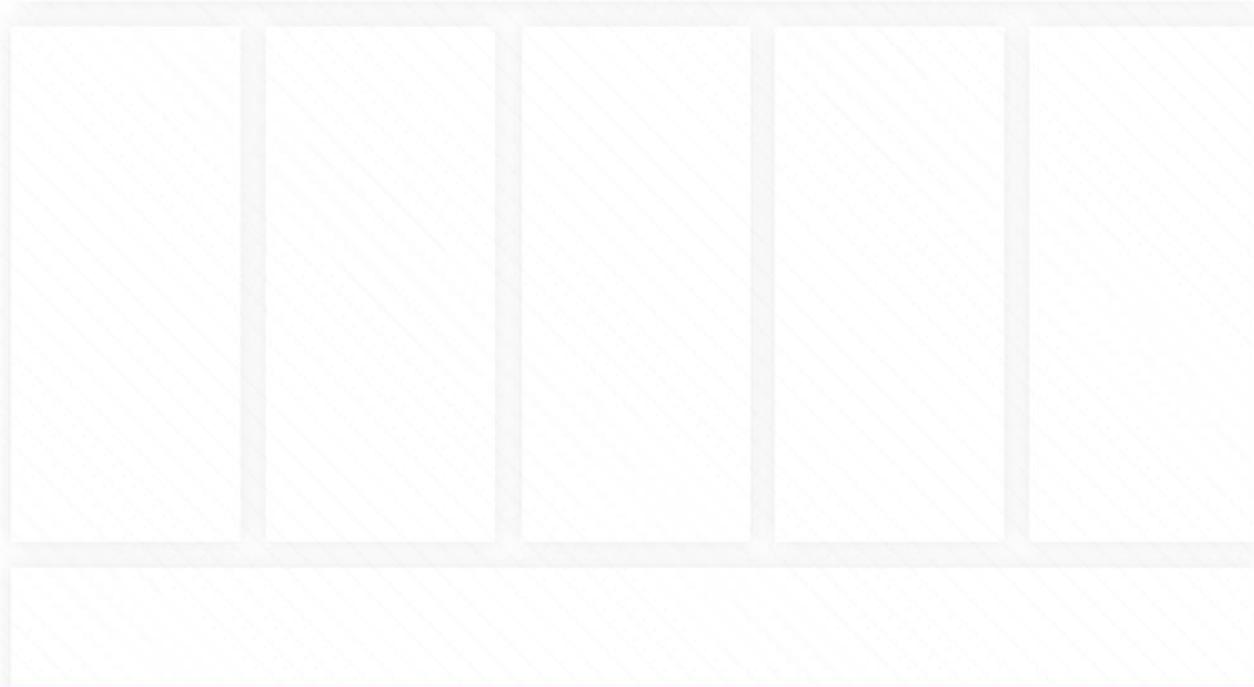
4a. Portfolio Delivery Overview POAP

Please find the Portfolio Delivery POAP on xoserve.com

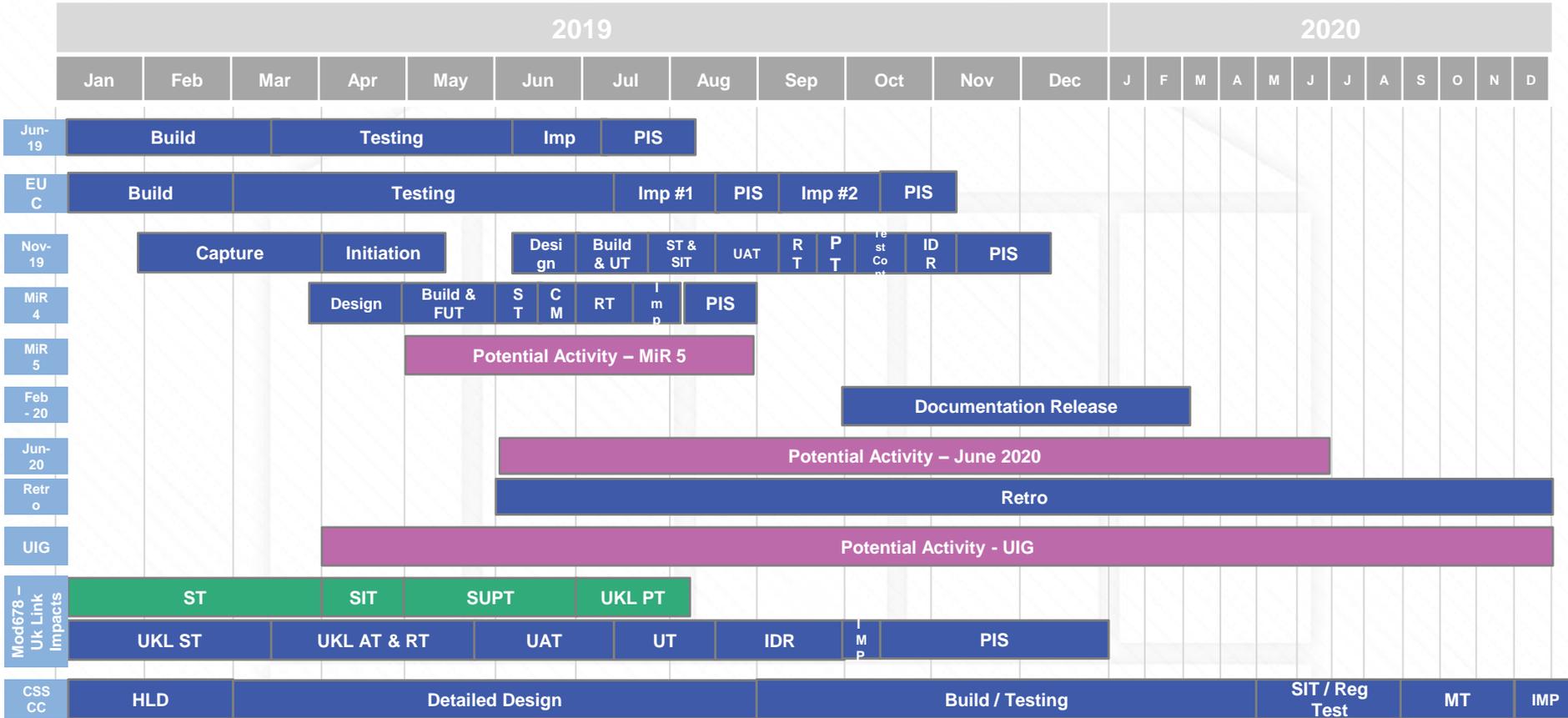
Changes are: are to the Data MNumber project (Detailed plan is now available and this has now replaced the “Requirements Gathering” place holder line.)

- Test milestone now runs to 25/06
- Implementation now runs 12/07
- Closedown now runs 20/09

4b. Retail and Network Delivery Overview

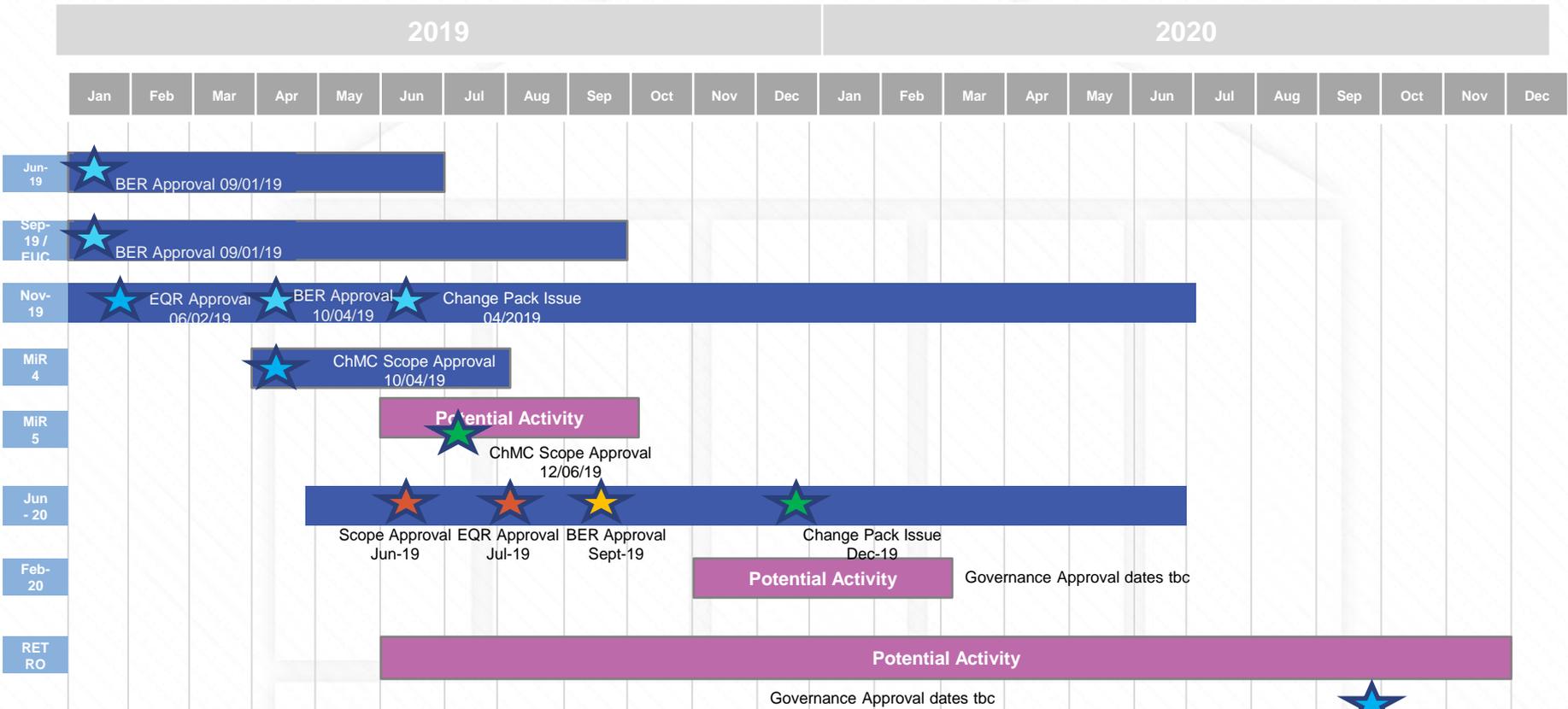


2019 / 2020 UK Link Delivery Timeline



- Assumes February-2020 Release continue to be documentation only release
- Assumes RETRO will be Released Nov 2020
- Please note that this is all potential activity within UK Link over the next 24 months

2019 / 2020 UK Link Governance Timeline



- Assumes February Release continue to be documentation only release
- Assumes RETRO will be Nov 2020 Major Release Delivery
- Please note that this is all potential activity within UK Link over the next 24 months

Key

- Complete
- On track
- At risk

Change Index – UK Link Allocated Change

| Proposed Release | XRN | Change Title | Current Status | Xos Proposed Prioritisation Score | Proposed R&N Release | Complexity | Finance |
|------------------|----------|--|----------------|-----------------------------------|----------------------|------------|-----------------|
| June 19 | 4670 | Reject a replacement read, where the read provided is identical to that already held in UK Link for the same read date | In Delivery | 27% | June 2019 | Low | <i>Xoserve</i> |
| | 4687 | PSR updates for large domestic sites | In Delivery | 37% | June 2019 | Low | <i>Shippers</i> |
| | 4676 | Reconciliation issues with reads recorded between D-1 to D-5. | In Delivery | 67% | June 2019 | Medium | <i>Xoserve</i> |
| MiR 4 | 4777 | Acceptance of Contact Details Updates | In Delivery | 32% | MiR 4 | Medium | <i>Shipper</i> |
| | 4803 | Removal of validation for AQ Correction Reason 4 | In Delivery | 71% | MiR 4 | Low | <i>Shipper</i> |
| | 4780 (A) | Inclusion of Meter Asset Provider Identity (MAP Id) in the UK Link system (CSS Consequential Change) | In Delivery | 27% | MiR 4 | Medium | <i>Shipper</i> |
| Sept 19 | 4376 | GB Charging & Incremental (IP PARCA) Capacity Allocation Change Delivery (2019) | In Delivery | 31% | September 2019 | High | <i>NTS</i> |
| | 4665 | Creation of new End User Categories (EUC) | In Delivery | 52% | June/Sep-2019 | High | <i>Shippers</i> |
| Nov-19 | 4679 | Requiring a Meter Reading following a change of Local Distribution Zone or Exit Zone | In Delivery | 41% | November 2019 | Medium | <i>Xoserve</i> |
| | 4725 | New read reason type for LIS estimate readings | In Delivery | 28% | November 2019 | Medium | <i>Xoserve</i> |
| | 4621 | Suspension of the validation between meter index and unconverted index | In Delivery | 29% | November 2019 | High | <i>Shipper</i> |
| | 4866 | UIG Recommendation – removal of validation on uncorrected read | In Delivery | 32% | November 2019 | Low | <i>Shipper</i> |
| CSS | 4627 | Consequential Central Switching Services | In Delivery | 51% | 2021 | High | <i>Shippers</i> |

Change Index – UK Link Unallocated External Impacting Changes

| Proposed Release | XRN | Change Title | Current Status | Xos Proposed Prioritisation Score | Indicative R&N Release | Complexity |
|------------------|----------|---|----------------------------|-----------------------------------|------------------------|------------|
| Unallocated | 4851 | Moving Market Participant Ownership from SPAA to UNC/DSC | CP in Capture | 39% | Feb 2020 | TBC |
| | 4955 | Amendments of MDD PSR needs code descriptions | Awaiting Solution Approval | 31% | Feb 2020 | Low |
| | 4645 | The rejection of incrementing reads submitted for an Isolated Supply Meter Point (RGMA flows) | CP in Capture | 44% | June 2020 | TBC |
| | 4691 | CSEPs: IGT and GT File Formats (CGI Files) | Solution Approved | 32% | June 2020 | TBC |
| | 4692 | CSEPs: IGT and GT File Formats (CIN Files) | Awaiting Solution Approval | 32% | June 2020 | Medium |
| | 4772 | Composite Weather Variable (CWV) Improvements | Solution Approved | 47% | June 2020 | Medium |
| | 4780 – B | Inclusion of Meter Asset Provider Identity (MAP Id) in the UK Link system (CSS Consequential Change) | Awaiting Solution Approval | 27% | June 2020 | Medium |
| | 4801 | Additional information to be made viewable on DES | Requirement Sign-Off | 35% | June 2020 | TBC |
| | 4850 | Notification of Customer Contact Details to Transporters | HLSO In review | 35% | June 2020 | TBC |
| | 4865 | Amendment to Treatment and Reporting of CYCL Reads | Awaiting solution approval | 49% | June 2020 | Low |
| | 4871 – B | Modification 0665 – Changes to Ratchet Regime | Requirement Sign-off | 27% | June 2020 | TBC |
| | 4888 | Removing Duplicate Address Update Validation for IGT Supply Meter Points via Contact Management Service (CMS) | Requirement Sign-Off | 32% | June 2020 | TBC |
| | 4930 | Requirement to Inform Shipper of Meter Link Code Change | Awaiting Solution Approval | TBC | June 2020 | Low |
| | 4931 | Submission of Space in Mandatory Data on Multiple SPA Files | HLSO In Progress | TBC | June 2020 | TBC |
| | 4932 | Improvements to the quality of the Conversion Factor values held on the Supply Point Register (MOD0681S) | Awaiting Solution Approval | 33% | June 2020 | Medium |
| | 4941 | Auto updates to meter read frequency (MOD0692) | Awaiting Solution Approval | 30% | June 2020 | Medium |
| | Mod647 | Opening Class 1 Reads to Competition | Awaiting Solution Approval | High | June 2020 | High - Med |
| | 4914 | Mod 651 - Retrospective Data Update Provisions | CP in Capture | 35% | 2020 | TBC |
| | 4871 – A | Modification 0665 – Changes to Ratchet Regime | Awaiting solution approval | 27% | MiR | Medium |
| | 4896 | Failure to Supply Gas System and Template Amendment | HLSO in review | 31% | MiR | TBC |
| | 4923 | AQ Calculation for RGMA (ONUPD) Estimate Reads | Awaiting Solution Approval | 24% | MiR | Low |
| | 4716 | Increased Field Length – ‘Updated by’ data item | Solution approved | 9% | MiR | Medium |
| | 4854 | Transfer of NDM sampling obligations from Distribution Network Operators to the CDSP | In Capture | 29% | Unallocated | TBC |

KEY

Feb 2020

June 2020

Retro 2020

Minor Release

Unallocated



4c. Data Office POAP

May/June 2019

Data Office POAP

Below shows the Change Proposals or externally impacting change requests that are currently in delivery with the Data Office and have planned releases:

| XRN Number | Change Title | Delivery Month | | RAG Status |
|------------|--|----------------|-----------|------------|
| | | April/May | June/July | |
| XRN4835 | Address Profiling and Reporting | | | |
| XRN4790 | Introduction of winter read/consumption reports (MOD652) | | | |
| XRN4841 | MAP Access to UKL via API (JMDG Use case 58) | | | |
| XRN4886 | MAM Reporting (MOD297) | | | |

Data Office changes - Delivered

The table below shows those changes closed since the last update:

| XRN No | Change Title | Status |
|---------|---------------------------------------|-----------|
| XRN4770 | NDM Sample Data – MOD 0654 Delivery | Delivered |
| XRN4833 | Rollout of Business Intelligence tool | Delivered |
| XRN4752 | Meter Read Performance | Delivered |

There are no escalations or decisions required and these slides are for information only.

Data Office changes in Capture

The table below shows all change proposals and externally impacting change requests which are currently in capture and are either new requests, we are gathering requirements or we are waiting for solution options from the Data Office:

| CP/CR | XRN No | Change Details | Priority | Customer Benefit |
|-------|--------|---|----------|--|
| CR | 4868 | UIG Recommendation – Report for class 1, class 2 read rejections | 1 | To monitor AQ movements and percentage of AQ's calculated per user per month |
| CP | 4860 | National Temporary UIG | 2 | Information for Shippers to see how reconciliation is affecting UIG over time |
| CR | 4898 | Additional data source for UIG visualisation – auto publishing of UIG Graphs on xoserve.com | 3 | Allow customers to view UIG graphs on the website. Be able to view by LDZ and select different date ranges. Download data for analysis |
| CP | 4876 | Changes to PAR Reporting (supporting UIG) | 4 | Provide further data to PAFA to aid analysis on performance reporting and aid in shipper performance as a first indication of any issues before PAC |
| CP | 4789 | Shipper packs – glossary updates and reporting changes from AQ to product class | 5 | The shipper packs should align further to PAC reporting and aid shipper performance |
| CP | 4779 | MOD0657S – Adding AQ reporting to PARR Reports | 6 | Monitor AQ movements and percentage of Aqs calculated per month by user, can access performance across the industry and engage with the poorer performers with an aim to get industry performance increased. |
| CP | 4859 | Increasing MAM access to CDSP data to mitigate reduced MAM appointment timescales | 7 | Provide MAM's with alternative source for asset data |
| CP | 4738 | Shipper portfolio update proposed formula year AQ/SOC | 8 | Inform Shippers of their proposed formula year AQ/SOQ values when produced. |

5. Major Release Update

- 5a. June 2019
- 5b. End User Categories 19
- 5c. November 2019
- 5d. Minor Release Drop 4
- 5e. Minor Release Drop 5
- 5f. Retrospective Updates

XRN4732 - June 19 Release - Status Update

| | | | | |
|----------------------------|--|--------------------------------------|--------------------------------------|--------------------------------------|
| 17 th June 2019 | Overall Project RAG Status: ● | | | |
| | Schedule | Risks and Issues | Cost | Resources |
| RAG Status | ● | ● | ● | ● |
| Status Justification | | | | |
| Schedule | <ul style="list-style-type: none"> • Regression Testing: Testing is in progress and on track to complete on 21st June with minimal defects identified. • Implementation: We are in the final stages of preparation for implementation. The detailed implementation plan walkthroughs are in progress and on track to be approved next week in time for the formal Go No Go meetings. • Communications: The Communications plan and detailed messages are being drafted. • PIS Plan: Post Implementation Support planning is in progress with the PIS Exit criteria being defined. | | | |
| Risks and Issues | <ul style="list-style-type: none"> • Weekly monitoring of SME resources supporting multiple demands (e.g. BAU defects, AML/ASP etc) and all requirements are able to be met | | | |
| Cost | <ul style="list-style-type: none"> • Project delivery costs are tracking to approved budgets | | | |
| Resources | <ul style="list-style-type: none"> • Weekly monitoring of SME resources supporting multiple demands (e.g. BAU defects, Future Releases etc) is ongoing | | | |

XRN4732 - June 19 Release Timelines

Key Milestone Dates:

- Regression Testing in progress
- Implementation – Detailed plan walkthroughs in progress

| | 08/10/2018 | 15/10/2018 | 22/10/2018 | 29/10/2018 | 05/11/2018 | 12/11/2018 | 19/11/2018 | 26/11/2018 | 03/12/2018 | 10/12/2018 | 17/12/2018 | 24/12/2018 | 31/12/2018 | 07/01/2019 | 14/01/2019 | 21/01/2019 | 28/01/2019 | 04/02/2019 | 11/02/2019 | 18/02/2019 | 25/02/2019 | 04/03/2019 | 11/03/2019 | 18/03/2019 | 25/03/2019 | 01/04/2019 | 08/04/2019 | 15/04/2019 | 22/04/2019 | 29/04/2019 | 06/05/2019 | 13/05/2019 | 20/05/2019 | 27/05/2019 | 03/06/2019 | 10/06/2019 | 17/06/2019 | 24/06/2019 | 01/07/2019 | 08/07/2019 | 15/07/2019 | 22/07/2019 | 29/07/2019 | 05/08/2019 | 12/08/2019 | 19/08/2019 | 26/08/2019 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 2018 | | | | | | | | | | | | | 2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | October | November | December | January | February | March | April | May | June | July | August | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jun-19 | Design | | | | | | | | | | | | | Build & UT | | | | | ST +SIT+UAT | | | | | Code Merge | RT | | Go Live | PIS | | | | | | | | | | | | | | | | | | | |

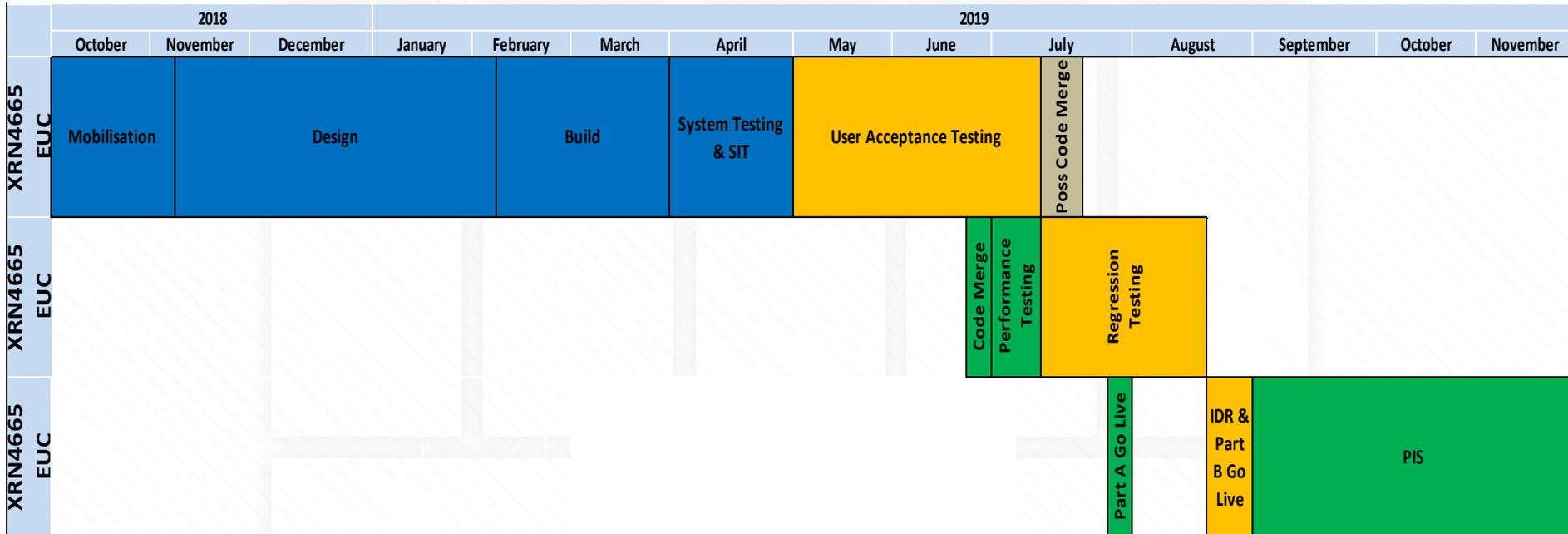
5b. XRN4665 – EUC Release

| 17/0619 | Overall Project RAG Status:  | | | |
|-----------------------------|---|---|---|---|
| RAG Status |  |  |  |  |
| Status Justification | | | | |
| Schedule | <ul style="list-style-type: none"> • Testing : <ul style="list-style-type: none"> • OUAT activities extended by 3 weeks to complete 2 invoicing cycles. Planned completion date for all OUAT activities by 12/07 • A number of defects raised during OUAT currently being assessed as to whether Production or Project related • OUAT for invoicing cycle 1 progressing and currently expected to complete by 21/06. However decision to be made on the de-scoping of test cases to RT phase • Preparation for PT & RT activities commenced • Performance Testing scope will include Gemini due to the increase in data contained in AAQ file • Implementation : <ul style="list-style-type: none"> • Part A on 03/08 to make new EUC bands allowable in ISU to enable sharing of new EUC bands with Industry via the T67 file • Part B on 31/08 (with a contingency date of 07/09 if required) to implement all UK Link code changes to deliver the new EUC bands | | | |
| Risks and Issues | <ul style="list-style-type: none"> • Environments: There continues to be a risk that multiple projects are running in parallel (EUC, June 19, GB Charging & Minor Releases). A detailed assessment of co-existence in Pre-production is continually being monitored with relevant project teams. However the current view is that this should not impact the EUC release. | | | |
| Cost | <ul style="list-style-type: none"> • Project delivery costs are tracking to approved internal budgets | | | |
| Resources | <ul style="list-style-type: none"> • Weekly monitoring of SME resources supporting multiple demands (e.g. BAU defects, Future Releases etc) is ongoing | | | |

XRN 4665 - EUC Release Timelines

Key Milestone Dates:

- OUAT activities ongoing as per plan. Testing for Invoicing cycle 1 expected to complete by 21/06 and Invoicing cycle 2 by 12/07
- Preparation for Performance & Regression Testing phases in progress
- Implementation Plan for Part A due to be provided by the supplier on 05/07
- IDR planned for 27/08 to 28/08



5c. XRN4828 - Nov 19 Release - Status Update

| | | | | |
|----------------------------|---|---|---|---|
| 17 th June 2019 | Overall Project RAG Status:  | | | |
| | Schedule | Risks and Issues | Cost | Resources |
| RAG Status |  |  |  |  |
| Status Justification | | | | |
| Schedule | <ul style="list-style-type: none"> • Start Up and Initiation phases complete • Detailed Design plan finalised, commencing on 17th June • Change Packs published to plan on 12th April and approved at ChMC on 8th May • Report format for XRN4621 to be presented at DSG • Funding: BER for full delivery approved in April 2019, BER for XRN4866 UIG Recommendation approved at ChMC on 12th June. | | | |
| Risks and Issues | <ul style="list-style-type: none"> • Risk: There is a risk that the Nov 19 Release may be impacted by Pre-Production environment congestion due to multiple deliveries running in parallel • Risk: There is a risk that due to multiple UKLink deliveries running in parallel there may be limited access to resources. | | | |
| Cost | <ul style="list-style-type: none"> • The BER with full delivery costs were approved at ChMC in April 2019, BER for XRN4866 UIG Recommendation approved by ChMC on 12th June | | | |
| Resources | <ul style="list-style-type: none"> • Weekly monitoring of Xoserve SME resources supporting multiple demands (e.g. BAU defects, Future Releases etc) is ongoing | | | |

XRN4828 - Nov 19 Release Timelines

Key Milestone Dates:

- Receive supplier responses – 13/02/19
- Supplier contract approval – 05/04/19
- Approve and issue EQR – 04/02/19
- Gain Business Case approval at IRC - 13/03/19
- PID approval 12/04/19
- Detailed Delivery Plan approved – 05/04/19
- BER Approval – 10/04/19
- Design Change Packs Approval – 08/05/19

XRN4828
Nov-19



5d. XRN4927 – MiR Drop 4 - Status Update

| | | | | |
|----------------------|--|---|---|---|
| 14/06/19 | Overall Project RAG Status:  | | | |
| | Schedule | Risks and Issues | Cost | Resources |
| RAG Status |  |  |  |  |
| Status Justification | | | | |
| Schedule | <ul style="list-style-type: none"> • Build – Build has completed for all 3 changes • System Testing – System Testing Assurance has completed for XRN4803 (Amend AQ Validation/Processing) and XRN4777 (Amendment of contact details) • System Testing - -System Testing Assurance in progress for XRN4780 (MAP ID), on track | | | |
| Risks and Issues | <ul style="list-style-type: none"> • Environment availability continues to be a risk as several projects are sharing environments through out delivery and test, implementation | | | |
| Cost | <ul style="list-style-type: none"> • All costs tracked to budget | | | |
| Resources | <ul style="list-style-type: none"> • There is an ongoing risk that SME's will not be available when required, this is being closely monitored, currently there has been no issues | | | |

Potential Minor Release Drop 4 Timeline & Scope

Minor Release Drop 4 Key Milestone Dates:

Initiation – 3/5/19

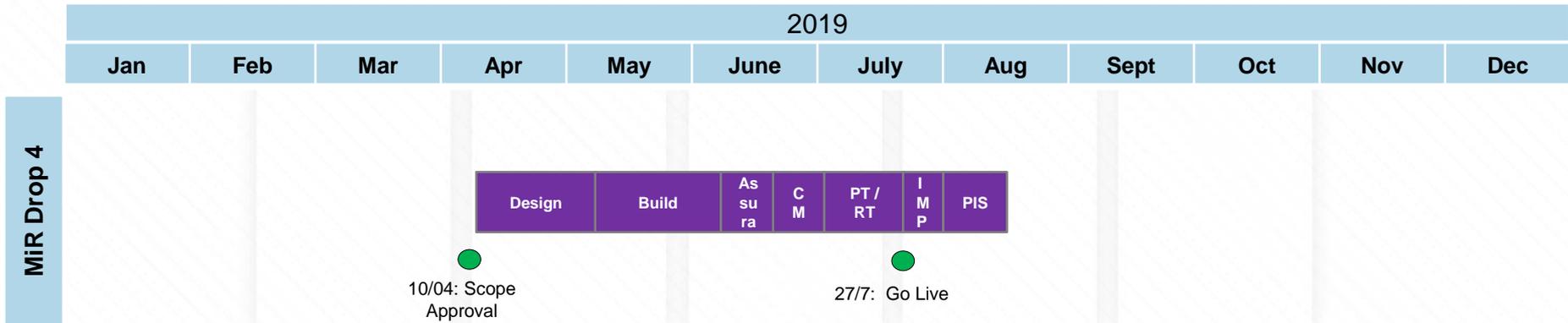
Design – 10/5/19

Build - 7/6/19

Test – 19/7/19

Implementation – 27/7/19

Closedown – 9/8/19





5f. UKL4914 Retrospective Updates

DSG - 17th June 2019

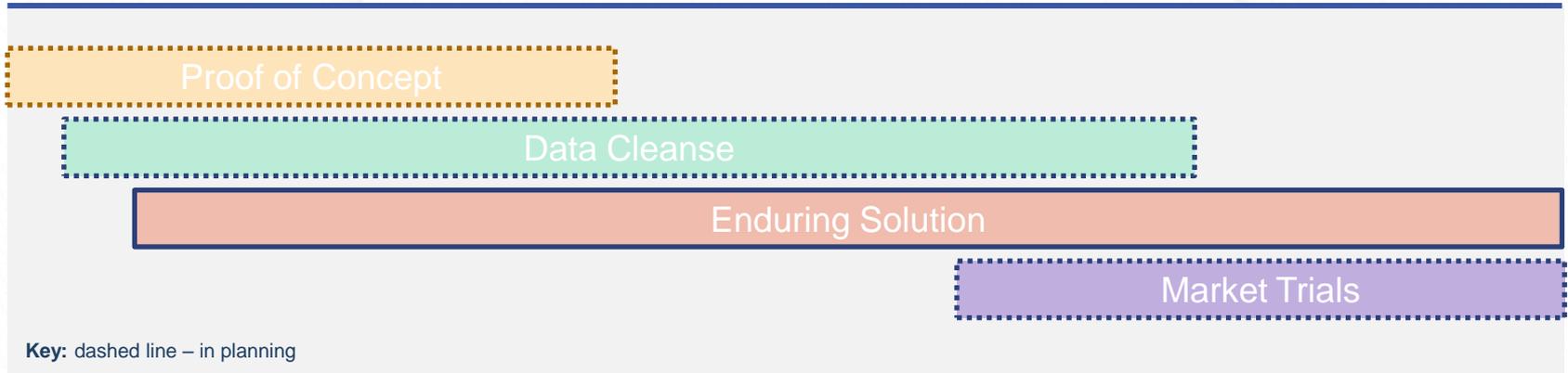
XRN4914:Retro – Progress update

| Progress update | |
|------------------|--|
| Schedule | <p>Capture – in progress</p> <ul style="list-style-type: none">• Change to original Proposal to include a Proof of Concept to gain better understanding of data quality issues• Planning Capture and Start-up phases• Context diagram drafted; scenarios identified• Next level of requirement commenced for Proof of Concept; w/c 10th June |
| Risks and Issues | <ul style="list-style-type: none">• Issue - project is behind original draft plan; assumptions to be validated to feed into re-planning• Risk – that cost required to deliver project is greater than project funding (2017 day rates used)• Risk – not all resources formally allocated to project• Risk – availability of resources (environments/people) may impact plan for Retro |
| Cost | <ul style="list-style-type: none">• Project cost - to be re-confirmed• Project funding - £1.5 mill; £700k for 2019 and £800k for 2020 |
| Resources | <p>Project mobilising</p> <ul style="list-style-type: none">• Resources required for project being identified and seeking allocation• Engaged with other programmes of work for consequential impacts / synergies (CSSC, AML/ASP, UIG)• SI agreed for project• w/c 3rd June – project kick-off• Engagement approach to be agreed with Customers |

XRN4914:Retro – High Level Plan

June '19

Nov '20



Key points:

- There are 3 elements to delivery of Retro; Proof of Concept, Data Cleanse & Enduring Solution
- A work stream will exist for each element and these will run parallel
- Proof of Concept is the initial focus and this will enable us to better understand the data quality issues
- Project recommends minimum of 12 weeks for Market Trials

Assumptions validated in ChMC on 12th June

Next Steps

Capture

Recommendation that Change Proposal is updated to incorporate Proof of Concept

- Customers to advise on their support of this inclusion - ChMC; 12th June

Requirements

- Progress to capture detailed requirements; meeting invites to be issued
- Seeking internal approval and gaining Customer approval via DSG
- Schedule to be issued shortly to ChMC/DSG attendees

Proof of Concept

- Once requirements captured discuss and agree options for approach
- Use learnings from other programmes – UIG & ASP/AML
- Encourage Customers to take part in Proof of Concept

Start-up

Mobilising

- Start-up to run in parallel where we can to reduce development timescales

6. New Change Proposals For Ratification of the Prioritisation Scores

- 6a. XRN4894 – Shipperless and Unregistered Pre-Payment Supply Points Reconciliation
 - Removed due to Proposer withdrawing the CP
- 6b. XRN4946 – Reporting on Installed Meters with Conversion Capability
 - Change Proposal can be found [here](#)
- 6c. XRN4955 – Amendment of MDD PSR Needs Codes and Needs Code Descriptions
 - Change Proposal can be found [here](#)
- 6d. XRN4941 – Auto Updates to Meter Read Frequency
 - Change Proposal can be found [here](#)

7. Change Proposal Initial View Representations

- 7a. XRN4645 – The rejection of incrementing reads submitted for an Isolated Supply Meter Point (RGMA flows)



XRN4645 – Rejection of Incrementing RGMA Readings on Isolated Supply Meter Points

Incrementing Readings on Isolated Supply Meter Points

- Where an Incrementing Meter Reading is received on an Isolated Supply Meter Points this creates an Exception within the Amendment Invoice
 - Some of the scenarios are created as the Estimation Routine did not take account of the Isolation Flag – so created incorrectly created an incrementing estimate
 - This issue has been resolved
 - XRN4645 is specifically associated with some of the scenarios around the receipt of an RGMA transaction with an incrementing Meter Reading where the Supply Meter Point is recorded as Isolated on UK Link
 - RGMA is the only process that still allows incrementing Meter Readings on Isolated Supply Meter Points
 - DSG were asked to confirm that such transactions can be rejected, but wanted further information to understand resolution of the exception

Resolution Approach – Future

- Scenarios resulting in Incrementing Meter Readings on Isolated Supply Meter Points have been identified
 - Actual Reading received via RGMA is sole remaining instance where incrementing reads can be loaded – propose that transactions with incrementing Meter Readings are rejected
 - Rejection Code [tbc]
- Where Shippers receive this rejection, they should resubmit the RGMA transaction with the last Meter Reading loaded on UKL, and Effective Date is loaded to reflect correct Re-establishment Date
- CDSP will monitor against RGMA transactions receiving the rejection code and prompt Shipper action

UNC References

- Shippers are responsible for indicating whether a Supply Meter Point is Isolated
- Isolated Supply Meter Points are allowed under UNC:
 - Section G - If a Shipper defines a Supply Meter Point as Isolated – in doing so are stating that gas cannot be off-taken... and such Supply Meter Points are treated accordingly under UNC...
 - 3.4.1 For the purposes of the Code and subject to paragraph 3.8: (a) “Isolation” of a Supply Meter Point shall mean the amendment of the Supply Point Register in accordance with paragraph 3.5.4 **for the purposes of securing that gas cannot be offtaken from the Total System** at such point and “Isolate” shall be construed accordingly;
 -
 - 3.4.2 For the avoidance of doubt and subject to paragraph 3.4.3, **where a Supply Meter Point has been Isolated** (and unless and until an Effective Supply Point Withdrawal) **the Registered User of the Supply Point in which it is comprised shall continue to be responsible for gas offtaken** from the Total System at the Supply Meter Point.
 - 3.4.3 In the case of a NDM Supply Point comprising a Class 3 or 4 Supply Meter Point which has been Isolated (and unless and until it is Re-established in accordance with paragraph 3.7) **NDM Supply Meter Point Demand will cease to be determined** in respect of that NDM Supply Meter Point in accordance with Section H2.

UNC References

- Modification 0424 (and 0425) clarified that where the Supply Point was Re-established (i.e. gas is capable of being offtaken) and this had not been notified the Shipper would be liable for:
 - Reasonable costs of the Transporter having so established this
 - All Transportation and energy charges for the period as if it had not been Isolated

- **Example - G 3.7.4**

Where a Supply Meter Point has been Isolated after 1 April 2013, and is Re-established, and an Effective Supply Point Withdrawal has not occurred and the Supply Meter continues to remain physically connected to a System during the period from the date of Isolation to the date of Re-establishment and the Transporter (in which case it will notify the CDSP) or the CDSP identifies that the previously connected Supply Meter (with the same serial number and number of dials as provided as part of the Meter Information) is physically connected to a System such that gas is capable of being offtaken (without any further action being taken) from the Total System then where gas was or is being offtaken from the Total System during such period (as evidenced by Meter Readings), each Registered User in respect of the period for which it is or was the Registered User shall be liable for:

- a) all reasonable costs incurred by the relevant Transporter in accordance with the Siteworks Terms and Procedures (as defined in Section G7.2.2) where the relevant Transporter undertakes a visit to carry out a disconnection in accordance with the Gas Safety (Installation and Use) Regulations 1998 and where the Supply Meter remains connected to a System such that gas is capable of being offtaken (without any further action being taken) from the Total System; and
- b) all charges (including without limitation Transportation Charges and Energy Balancing Charges) associated with such Supply Meter Point as if it had not been so Isolated and in respect of Energy Balancing Charges for which the Registered User is liable pursuant to paragraph 3.7.4(b) a reconciliation will be carried out in accordance with Section E6.

UNC References

- Also worth noting that E 6.1.2 defines that the Registered User bears the risk (and reward) of reconciliation after a Confirmation....

the Reconciliation Values will be attributed entirely to the Registered User(s) following such Supply Point Confirmation, notwithstanding that a part of the Reconciliation Values may (or may be considered to) relate to a period before the Supply Point Registration Date; and accordingly such Registered User(s) will obtain the benefit and bear the risk (and the User(s) who formerly were Registered User(s) of the Supply Meter Point will neither obtain the benefit nor bear the risk) of the Reconciliation Quantities insofar as relating to the period before the Supply Point Registration Date

UNC Conclusions

- UNC appears to suggest:
 - Shippers are responsible for setting and maintaining the Isolation Flag
 - If following the Isolation, the Shipper withdraws from the Supply Point, under Modification 0424 and 0425 then if the gas is being offtaken then the Shipper remains responsible
 - Where it is established where gas can be offtaken – i.e. it is Re-established – then the Supply Meter Point could be treated as if that isolation has not occurred – subject to further conditions
 - First reconciliation after a Change of Shipper becomes the responsibility of the Incoming User, potential greater risk if the Isolation Flag has been set and not maintained
- Views?

Incrementing Readings on Isolated Supply Meter Points

- Pre Nexus implementation, certain processes allowed recording of incrementing Meter Readings on UK Link systems
 - For Supply Meter Points subject to Meter Point reconciliation, these would result in filter failures (USRV) – since NDM Supply Meter Point Demand is nil.
 - Allowed prompt to Users to re-establish.
- Since Nexus implementation:
 - Individual Meter Point Reconciliation and removal of USRVs led to amendment of functionality...
 - Incrementing Meter Readings were rejected when received via Meter Reading processes (UMR; UBR; etc)
 - Meter Reading rejection code – **[MREXXXXX] – [text]**
 - Incrementing Estimated Meter Readings on Isolated Supply Meter Points
 - Defect resolved since PNID incrementing OPNTs & RGMA Readings [Defect Number: 653]
 - Request to reject RGMA transactions deferred by DSG

Issue within UKL

- Since Commodity Invoicing is deemed as being nil within the period, the Amendment Invoice (aka Reconciliation) creates an exception as there is no Commodity to 'reconcile' against
- Complexity is increased due to:
 - Length of time that the isolation may have been in place – some of these are prior to Project Nexus Implementation and before
 - Change of Shipper events have been undertaken
 - Incrementing Meter Readings have been loaded in error
 - Although it is now only Meter Readings loaded via RGMA that may generate incrementing Meter Readings
- There are circa 7,000 Supply Meter Points where an exception has been generated
 - Subsequent variances will not be invoiced until the exception has been resolved

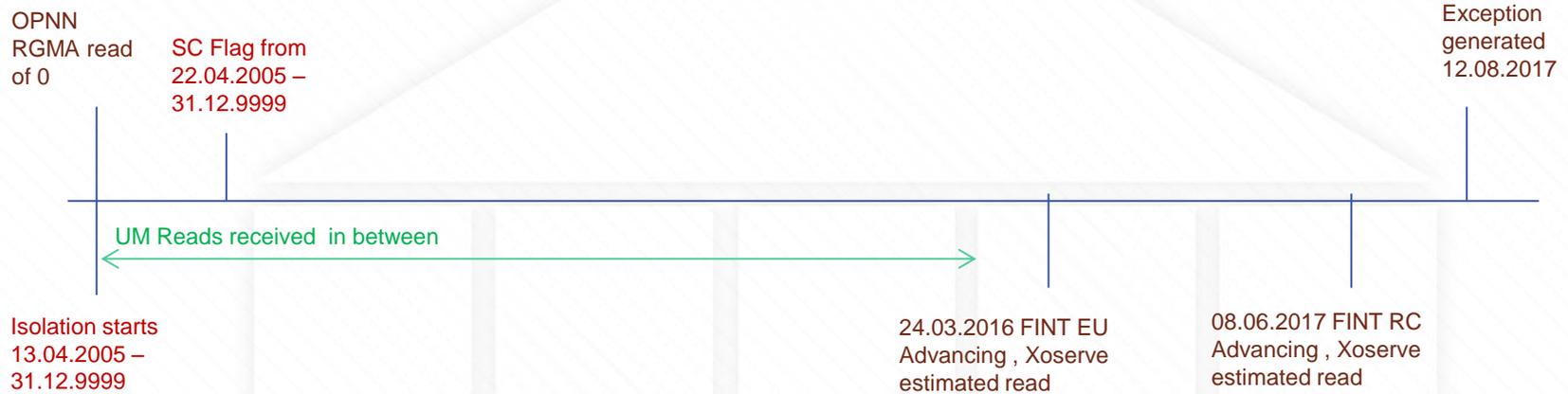


BI49 - The variant value for the isolation period has non-zero quantity – Read Based Scenarios

Scenario Pots

| Pots | Scenario |
|------|--|
| 1 | Site still isolated, shipper transfer or reconfirmation <u>estimate</u> generated which is advancing (FINT/OPNT) |
| 2 | Site reconnected, shipper transfer or reconfirmation <u>estimate</u> generated when site was still isolated (FINT/OPNT) |
| 3 | Site reconnected, RGMA <u>estimated</u> advancing read (FINX) |
| 4A | Site still isolated, RGMA <u>estimated</u> advancing read (FINX/FINC) |
| 4B | Site still isolated, RGMA <u>actual</u> advancing read (FINX/FINC) |
| 5 | Site reconnected, RGMA <u>actual</u> advancing read (FINX)/ or advancing on RC first day received |
| 6 | Site isolated but exception includes a period where meter was live |
| 6B | Site reconnected but exception includes a period where meter was live |

Scenario 1: Site still isolated, shipper transfer or reconfirmation estimate generated which is advancing (FINT/OPNT).



Exception generated 12.08.2017

Site was Isolated 13.04.2005 – 31.12.9999

Meter Fixed & Capped 11.04.2005 – 31.12.9999

Advancing Read accepted as FINT during Isolation Period

Scenario 2: Site reconnected, shipper transfer or reconfirmation estimate generated when site was still isolated (FINT/OPNT)



Exception generated 29.09.2017

Site Reconnected, 20.04.2017 - 31.12.9999

Site was Isolated 31.12.2004 – 19.04.2017

Meter Fixed & Capped 29.12.2004 , new meter Live from 20.04.2017

Advancing Read accepted as FINT during Isolation Period

Scenario 3: Site reconnected, RGMA estimated advancing read (FINX)



Exception generated 12.08.2017

Site Reconnected

Meter Capped from 09.02.1999 -11.06.2017, Live from 12.06.2017,

Site with a Shipper

Advancing Read accepted as FINT during Isolation Period

Scenario 4A: Site still isolated, RGMA estimated advancing read (FINX/FINC):



Isolation starts 09.04.2015

16.07.2017 FINX **EG** Xoserve estimate advancing read of 1174

Exception generated 12.08.2017

Site is Isolated

Meter Read type is EG not RGMA

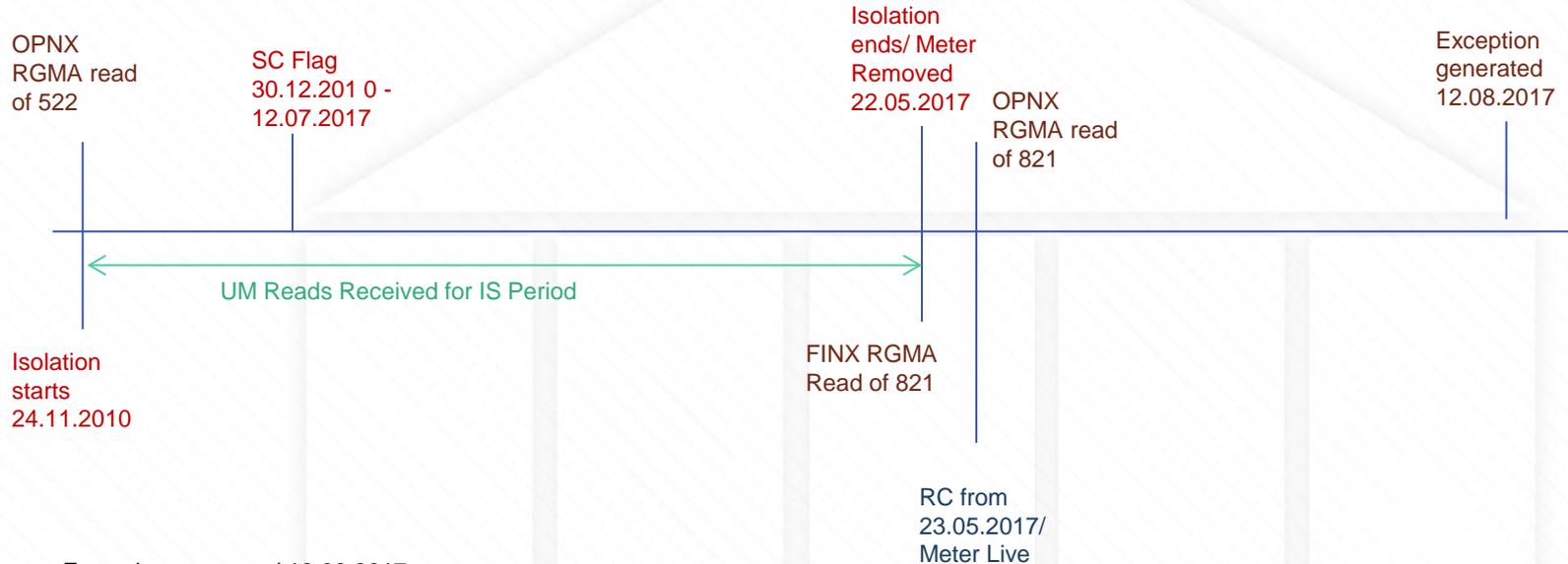
Corrective Meter Exchange & Capped from 09.04.2015 -16.07.2017,
Corrective Meter Exchange & Capped from 17.07.2017 onwards

Advancing Read loaded as FINX EG during Isolation

Scenario 4B: Site still isolated, RGMA actual advancing read



Scenario 5A: Site reconnected, RGMA actual advancing (FINX) read received



Isolation starts
24.11.2010

Exception generated 12.08.2017

Meter Clamped till 22.05.2017, Live from 23.05.2017

Read received for Isolation end date

Advancing RGMA Read uploaded for Isolation end date

Scenario 5B: Site reconnected, RGMA actual advancing read received on RC Date



Resolution Approach – Existing Exception Population

- Separate to XRN4645 – but provided to DSG For Information today
- Exception Population to be resolved
 - Amendment Invoice cannot be generated against the nil Commodity period
 - CDSP propose to:
 - Zero the consumption for the Exception Variance Period. Subsequent variances expected to be released.
 - Provide Portfolio and Read Data (and expected Consumption values) to Shipper(/last Shipper)
 - Indication whether the Isolation remains in place
 - Provide the scenario against which the Meter Point is classified by CDSP
 - The Shipper needs to:
 - Noting that some instances may be invalid incrementing Estimate Meter Readings generated by CDSP, provide the consumption to be invoiced, and the period that this consumption should be invoiced against – this will be processed as a Request for Adjustment
 - Allows the consumption to be recorded correctly in UK Link for the correct period, but this will not be considered for AQ derivation
 - Re-establish the SMP if necessary via RGMA
 - During this period CDSP will monitor where RFAs have / have not been raised, and provide support to Shippers as needed

Resolution Approach – Future

- Scenarios resulting in Incrementing Meter Readings on Isolated Supply Meter Points have been identified
 - Actual Reading received via RGMA is sole remaining instance where incrementing reads can be loaded – propose that transactions with incrementing Meter Readings are rejected
 - Rejection Code [tbc]
- Where Shippers receive this rejection, they should resubmit the RGMA transaction with the last Meter Reading loaded on UKL, and Effective Date is loaded to reflect correct Re-establishment Date
- CDSP will monitor against RGMA transactions receiving the rejection code and prompt Shipper action

Next Steps

- Submit these slides for the next DSG (1st July) to get suggested approach agreed – or alternative suggestions
- In addition, DSG to consider, what reporting is needed to support Users for:
 - XRN4645 – RGMA Rejection Reporting
 - BI49 Backlog – Existing Population

8. Undergoing Solution Options Impact Assessment Review

- 8a. XRN4621 - Suspension of the Validation between Meter Index and Unconverted Converter Index



XRN4621 - Suspension of the Validation between Meter Index and Unconverted Converter Index

Validation – Extracted from Previous Slide Decks!

- Validation in UNCVR (but not necessarily UK Link systems!!!) prior to Nexus implementation:
 - Meter to Converted Index
 - i.e. Factor = (Converted Volume / Meter Volume) / Meter Point Conversion Factor
 - Test demonstrates volume on Convertor progresses in line with Meter - note, validation against the pulse output
 - Test also requires maintained MP CF – failure to do so could lead to error. NB: Thermal Energy Regs requires a non standard cf to be maintained by Suppliers for SMPs with an AQ >732,000 kWh
 - Previous version of test: c
 - Meter to Unconverted Index
 - i.e. Factor = (Unconverted volume / Meter volume), factor should be 1 +/- X pulses
 - Test demonstrates volume on Convertor progresses in line with Meter - note, validation against the pulse output
 - Previous version of test:

| Meter Pulse Value | Meter and Uncorrected Convertor Gas Consumption Difference |
|-------------------|--|
| 10cf | ±400cf (40 pulses) |
| 100cf | ±800cf (8 pulses) |
| 1000cf | ±3000cf (3 pulses) |

Validation – Reporting

- Previously validation would be used to determine whether Readings will be accepted or rejected
- Reporting is provided under 4621 to support Shipper investigation of Readings
- Propose that the Meter to Converted, and where present Meter to Unconverted is consistent, and validation applied as:
 - Class 1 & 2 meter points: 0.95 to 1.05
 - Class 3 & 4 meter points: 0.85 to 1.15
- Value will be parameterised by C1&2 / C3&4 (NB: M>U; M>C will use the same value)
- Propose that the reporting:
 - Provides **Shipper provided Meter Reading** failures only
 - **Entry will appear on the report where one or both of M>U; M>C have triggered**
 - Is provided within the Shipper Performance Packs

9. Solution Options Impact Assessment Review Completed

- 9a. XRN4801 Additional information to be made viewable on DES – Removed
- 9b. XRN4850 Notification of Customer contact details to Transporters
- 9c. XRN4931 Submission of space in mandatory data on multiple SPA files - Removed
- 9d. XRN4932 Improvements to the quality of the Conversion Factor values held on the Supply Point Register (MOD0681S).
- 9e. XRN4871 Modification 0665 – Changes to Ratchet Regime
- 9f. XRN4930 – Requirement to inform Shipper of Meter Link Code Changes
- 9g. XRN4955 – Amendment of MDD PSR needs codes and needs code descriptions.



9a. XRN4801 Additional information to be made viewable on DES

- Removed from the agenda



9b. XRN4850 - Notification of Customer contact details to Transporters

High Level System Solution
Impact Assessment

Change Overview

XRN4850 – Notification of Customer contact details to Transporters

This change seeks to make it mandatory for gas Suppliers to transfer customer name and contact information, subject to obtaining informed consent if required, to Xoserve to host in a secure area in order for Gas Distribution Networks (GDNs) and Independent Gas Transporters (IGTs) to proactively communicate information relating to the disruption of customer's gas supplies. The agreed use cases are:

- Unplanned interruptions including purge and relights;
- Planned interruptions including reinstatement of ground (e.g. mains replacement);
- Gas Safety Regulation (GSR) cut-offs;
- Appointments for Multiple Occupancy Buildings (e.g. riser replacement), and;
- Guaranteed Standards of Performance compensation payments.

Solution Options

1

Receive End Consumer data using existing record type.

2

Receive End Consumer data using the new record type.

Option 1 - High Level Impact Assessment

1. Receive End Consumer data using existing record type

The below changes are required to be made:

SAP ISU: Below are the list of changes in UK Link:

- End Consumer information needs to be stored in UK Link from the inbound flow using S66 segment of CNF and S82 segment of CNC. Shippers will be able to modify and the End Consumer details as well. All the details need to be deleted on the Change of Shipper and Supplier event. If the End Consumer doesn't want to avail this functionality; the Shipper can also update UK Link using the above flows.
- New Table needs to be created to store the trigger to issue the broadcast message. This trigger from GDNs and IGTs will contain the message, date and time to be broadcasted and method of communication (via email or SMS).
- Permission matrix needs to be created in the system to check the relationship between GDNs and IGTs. The liable GDN should be able to issue the notification on the respective IGTs portfolio.
- New interface from the SMS service provider to receive the 'STOP' message from End Consumer; post this the consumer will not receive any broadcast message for that use case 'incident'.
- Super Users need to be stored in the UK Link which will be authorized to create the trigger for broadcast message. Separate list needs to be maintained for Broadcast and Extract functionality.
- Message needs to be sent to the impacted End Consumers in the GDNs or IGTs portfolio. Any message deliver failure needs to be reported via Service Ticket. (this will be automated). The name of the End consumer needs to present while sending the message.
- A reports needs to be developed which will be executed on ad hoc basis by Business Users manually:
 1. To display the count and instances details of usage of the Broadcast Service.
 2. To display the count and instances details of usage of the Extract Service.

Portal: Below are the list of changes in UK Link:

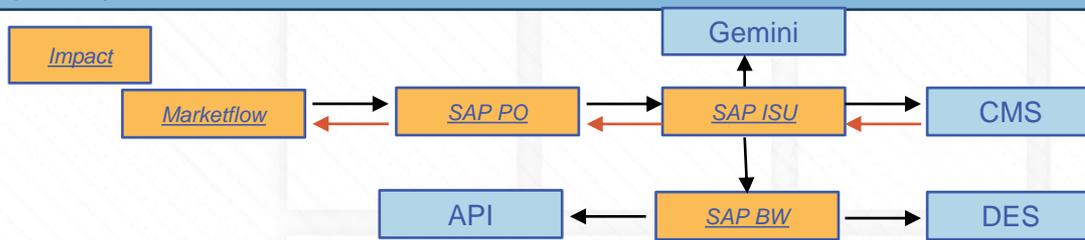
- New screen to be created in order to create the trigger by GDN and IGT Super Users. A proxy needs to be developed to check for the Super Users maintained in ISU are trying to create the trigger only; if any other user is trying to create the trigger; the request needs to be rejected by displaying an error message "**You do not have authorization**". Another proxy needs to be created with the response to update UK Link with the trigger details. A drop down will be created with approved 5 Use Cases; which will be mandatory item for the Super Users to create the trigger.
- New screen to be created in order to extract the MPRNs which have been broadcasted the message due to the trigger created by the GDN and IGT Super Users (if any other user is trying to create the trigger; the request needs to be rejected by displaying an error message "**You do not have authorization**"). A proxy needs to be created with the response to extract the MPRNs under the GTs portfolio. GTs will be able to download the list from Portal itself. This proxy will update UK Link also regarding the usage of the extract functionality. This screen will also have a drop down will be created with approved 5 Use Cases. If the GDNs or IGTs are not able to extract the MPRN list; relevant message needs to be displayed on the Portal Screen.

SAP PO: 6 New proxies needs to be build to support the data flow from UK Link to Portal. File Format changes also need to be catered in SAP PO.

Market Flow: File Format changes also need to be catered in SAP PO.

SAP BW: BP information needs to be stored in SAP BW.

Impacted Systems



Assumptions

- Market Trials and SMS service Provider costs are not considered.
- Performance testing is required.
- DES and BW Report changes are out of scope.
- Opt-Out End Consumers will not receive the messages.
- After the implementation of the change; Shippers will update UK Link using the BAU process.
- Migration is not in scope of the XRN.
- File format changes are anticipated.
- End consumer details will be received from Shippers.
- Super Users and the Permission matrix will be a one time activity during cutover; post that will be managed by Business Users.

Overall Impact

High

Release Type

Major

High Level Cost Estimate

60,000 - 70,000 GBP

Option 1 - System Impact Assessment

1

| | Reports | Interface | Conversion | Enhancements | Forms | Workflow | Data Migration |
|--|---|---|------------|--|-------|----------|----------------|
| System Component: | SAP ISU | SAP ISU/SAP PO/AMT | | SAP ISU/ Portal/ SAP BW | | | |
| Impacted Process Areas: | SPA | SPA | | SPA | | | |
| Complexity Level (per RICEFW item): | Medium | Medium | | High | | | |
| Change Description: | New report to be created to display the usage of Broadcast and Extract function | <ul style="list-style-type: none"> CNC and CNF code changes to cater the new data items 6 New Interface needs to developed to display data in Portal Storage to be created for Permission matrix, Super Users(separate for Extract and Broadcast) and triggers for Broadcast and Extract. New interface from the SMS service provider to receive the 'STOP' message from End Consumer | | <ul style="list-style-type: none"> BP needs to be enhanced to store the data items. 2 new screens to be created in portal. Broadcast of the message. BW changes to be made to store the additional data items. | | | |

| | ISU | BW | PO / Marketflow | DES/Portal | CMS | AMT | API |
|--------------------------------------|--------|--------|-----------------|------------|-----|-----|-----|
| Test Data Prep Complexity: | Medium | Medium | Medium | Medium | | Low | |
| Unit and Sys Test Complexity: | Medium | Medium | Medium | Medium | | Low | |
| Pen Test Impact: | N | N | N | N | | N | |
| Regression Testing Coverage: | Medium | Low | Medium | Medium | | Low | |
| Performance Test Impact: | Y | N | Y | Y | | N | |
| Market Trials: | Y | N | Y | Y | | Y | |
| UAT Complexity: | Medium | Medium | Medium | Medium | | Low | |

Option 1 - Process Impact Assessment

1

| Process Area | Complexity | File Formats | Exceptions | External Screens | Batch Jobs | Performance Test? |
|-----------------------|-----------------|--------------|-------------|------------------|-------------|-------------------|
| SPA | M | Y | N | Y | Y | Y |
| Metering (Reads) | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Reconciliation | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Invoicing – Capacity | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Invoicing – Commodity | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Invoicing – Amendment | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Invoicing – Other | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Rolling AQ | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Formula Year AQ | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| RGMA | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| DSC Service | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Other- Portal | H | N | N | Y | Y | Y |

Option 2 - High Level Impact Assessment

2. Receive End Consumer data using the new record type

The below changes are required to be made:

SAP ISU: Below are the list of changes in UK Link:

- End Consumer information needs to be stored in UK Link from the inbound flow using new segment in CNF and CNC. Shippers will be able to modify and end the consumer details as well. All the details need to be deleted on the Change of Shipper and Supplier event. If the End Consumer doesn't want to avail this functionality("Opt Out"); they can also update UK Link using the above flows.
- New Table needs to be created to store the trigger to issue the broadcast message. This trigger from GDNs and IGTs will contain the message, date and time to be broadcasted and method of communication (via email or SMS).
- Permission matrix needs to be created in the system to check the relationship between GDNs and IGTs. The liable GDN should be able to issue the notification on the respective IGTs portfolio.
- New interface from the SMS service provider to receive the 'STOP' message from End Consumer; post this the consumer will not receive any broadcast message for that use case 'incident'.
- Super Users need to be stored in the UK Link which will be authorized to create the trigger for broadcast message. Separate list needs to be maintained for Broadcast and Extract functionality.
- Message needs to be sent to the impacted End Consumers in the GDNs or IGTs portfolio. Any message deliver failure needs to be reported via Service Ticket. (this will be automated). The name of the End consumer needs to present while sending the message.
- A reports needs to be developed which will be executed on ad hoc basis by Business Users manually:
 1. To display the count and instances details of usage of the Broadcast Service.
 2. To display the count and instances details of usage of the Extract Service.

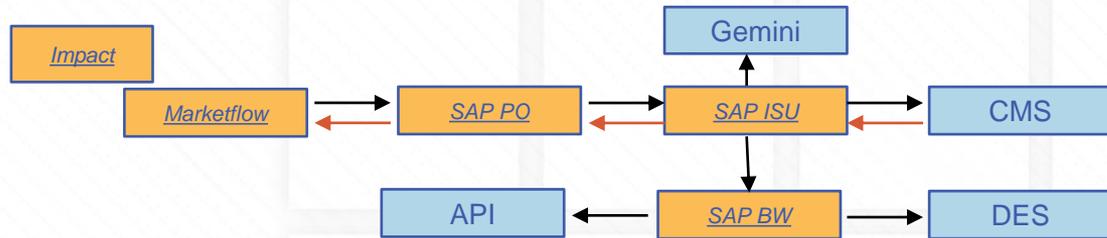
Portal: Below are the list of changes in UK Link:

- New screen to be created in order to create the trigger by GDN and IGT Super Users. A proxy needs to be developed to check for the Super Users maintained in ISU are trying to create the trigger only; if any other user is trying to create the trigger; the request needs to be rejected by displaying an error message "**You do not have authorization**". Another proxy needs to be created with the response to update UK Link with the trigger details. A drop down will be created with approved 5 Use Cases; which will be mandatory item for the Super Users to create the trigger.
- New screen to be created in order to extract the MPRNs which have been broadcasted the message due to the trigger created by the GDN and IGT Super Users (if any other user is trying to create the trigger; the request needs to be rejected by displaying an error message "**You do not have authorization**"). A proxy needs to be created with the response to extract the MPRNs under the GTs portfolio. GTs will be able to download the list from Portal itself. This proxy will update UK Link also regarding the usage of the extract functionality. This screen will also have a drop down will be created with approved 5 Use Cases. If the GDNs or IGTs are not able to extract the MPRN list; relevant message needs to be displayed on the Portal Screen.

SAP PO: 6 New proxies needs to be build to support the data flow from UK Link to Portal. File Format changes also need to be catered in SAP PO.

Market Flow: File Format changes also need to be catered in SAP PO.

Impacted Systems



Assumptions

- Market Trials and SMS service Provider costs are not considered.
- Performance testing is required.
- DES and BW Report changes are out of scope.
- Opt-Out End Consumers will not receive the messages.
- After the implementation of the change; Shippers will update UK Link using the BAU process.
- Migration is not in scope of the XRN.
- File format changes are anticipated.
- End consumer details will be received from Shippers.
- Super Users and the Permission matrix will be a one time activity during cutover; post that will be managed by Business Users.

Overall Impact

High

Release Type

Major

High Level Cost Estimate

65,000 - 75,000 GBP

Option 2 - System Impact Assessment

| | Reports | Interface | Conversion | Enhancements | Forms | Workflow | Data Migration |
|--|---|---|------------|--|-------|----------|----------------|
| System Component: | SAP ISU | SAP ISU/SAP PO/AMT | | SAP ISU/ Portal/ SAP BW | | | |
| Impacted Process Areas: | SPA | SPA | | SPA | | | |
| Complexity Level (per RICEFW item): | Medium | Medium | | High | | | |
| Change Description: | New report to be created to display the usage of Broadcast and Extract function | <ul style="list-style-type: none"> CNC and CNF code changes to cater the new segment. 6 New Interface needs to developed to display data in Portal Storage to be created for Permission matrix, Super Users(separate for Extract and Broadcast) and triggers for Broadcast and Extract. New interface from the SMS service provider to receive the 'STOP' message from End Consumer | | <ul style="list-style-type: none"> BP needs to be enhanced to store the data items. 2 new screens to be created in portal. Broadcast of the message. BW changes to be made to store the additional data items. | | | |

| | ISU | BW | PO / Marketflow | DES/Portal | CMS | AMT | API |
|--------------------------------------|--------|--------|-----------------|------------|-----|--------|-----|
| Test Data Prep Complexity: | Medium | Medium | Medium | Medium | | Medium | |
| Unit and Sys Test Complexity: | Medium | Medium | Medium | Medium | | Low | |
| Pen Test Impact: | N | N | N | N | | N | |
| Regression Testing Coverage: | Medium | Low | Medium | Medium | | Medium | |
| Performance Test Impact: | Y | N | Y | Y | | N | |
| Market Trials: | Y | N | Y | Y | | Y | |
| UAT Complexity: | Medium | Medium | Medium | Medium | | Medium | |

Option 2 - Process Impact Assessment

2

| Process Area | Complexity | File Formats | Exceptions | External Screens | Batch Jobs | Performance Test? |
|-----------------------|-----------------|--------------|-------------|------------------|-------------|-------------------|
| SPA | M | Y | N | Y | Y | Y |
| Metering (Reads) | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Reconciliation | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Invoicing – Capacity | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Invoicing – Commodity | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Invoicing – Amendment | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Invoicing – Other | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Rolling AQ | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Formula Year AQ | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| RGMA | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| DSC Service | n/a / H / M / L | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N | n/a / Y / N |
| Other- Portal | H | N | N | Y | Y | Y |



9c. XRN4931 Submission of space in mandatory data on multiple SPA files

- Removed from the agenda



9d. XRN4932 Improvements to the quality of the Conversion Factor values held on the Supply Point Register (MOD0681S).

Change Overview

XRN4932 - Improvements to the quality of the Conversion Factor values held on the Supply Point Register (MOD0681S)

UNC Modification 0681S has been raised to look at the CDSP being given the authority to make changes to the conversion factor in the following circumstances only:

- a) Where the AQ of a meter point falls to 732,000 kWh or lower, the conversion factor should be updated to the default of the standard value of 1.02264, as specified in the Gas (Calculation of Thermal Energy) Regulations, with effect from the effective date of the new AQ.
- b) Where the AQ of a meter point increases above 732,000 kWh, the conversion factor should be set to the last non-standard factor held on the Supply Point Register (if one is available) with effect from the effective date of the new AQ. Where no 'non-standard' conversion factor is found no action shall be taken

XRN is in development alongside Modification 0681S, any fundamental changes to this Mod could amend the scope of this change and effect delivery timescales.

Solution Options

1

Amend the Conversion Factor as part of a successful Rolling AQ calculation (Monthly or Correction)

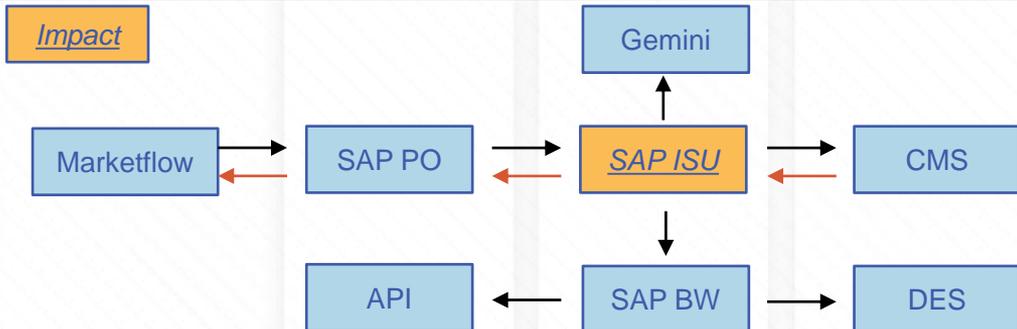
Option 1 - High Level Impact Assessment

1 - Amend the Conversion Factor as part of a successful Rolling AQ calculation (Monthly or Correction)

As part of this change, the conversion factor will be updated as part of AQ Updates above or below 732,000 kWh. Below are the list of changes:

- Rolling AQ and AQ Correction to be updated to provide a trigger whenever there is a change in the AQ above or below the threshold value of 732,000 kWh.
- New code needs to be developed to update the conversion factor; which will run post 30 days of NRL being sent to the Shippers for AQ updates. Read estimation needs to be done while updating the Conversion Factor. If the AQ of a meter point falls to 732,000 kWh or lower, the conversion factor should be updated to the national default of 1.02264 and if the AQ of a meter point increases above 732,000 kWh, the conversion factor should be set to the last 'non-standard' factor held on the Supply Point Register (if one is available), if none is available then no update will be carried out. DRS will also need to be triggered to notify the Shipper of the estimated read in these instances.
- New Report needs to be developed for cutover in order to align all the Conversion Factors for the entire UK Link portfolio with the rules set out in the Modification. Conversion Factor updates via RGMA process will take precedence over the data cleansing activity during cutover.

Impacted Systems



Assumptions

- Market Trials costs are not considered.
- Performance Testing will be required.
- MPRNs with Device are in scope of the XRN.
- Shippers will be notified on M-7 via NRL of the AQ change where conversion factor needs an update.
- If no 'non-standard' conversion factor is found; then no action shall be taken if AQ is increased from 732,000 kWh and a standard CF is present

| Overall Impact | Release Type | High Level Cost Estimate |
|----------------|--------------|--------------------------|
| Medium | Major | 25,000 - 35,000 GBP |

Option 1 - System Impact Assessment

| | Reports | Interface | Conversion | Enhancements | Forms | Workflow | Data Migration |
|-------------------------------------|---|---|------------|--------------|-------|----------|----------------|
| System Component: | SAP ISU | SAP ISU | | | | | |
| Impacted Process Areas: | RGMA | SPA/AQ | | | | | |
| Complexity Level (per RICEFW item): | Med | Med | | | | | |
| Change Description: | <ul style="list-style-type: none"> New report to update the Conversion factor for the AQ Updates New report to be developed for data cleansing during cutover | Trigger to be created from below processes. <ul style="list-style-type: none"> Rolling AQ AQ Correction | | | | | |

| | ISU | BW | PO / Marketflow | DES | CMS | AMT | API |
|-------------------------------|--------|----|-----------------|-----|-----|-----|-----|
| Test Data Prep Complexity: | Medium | | | | | | |
| Unit and Sys Test Complexity: | Low | | | | | | |
| Pen Test Impact: | No | | | | | | |
| Regression Testing Coverage: | Medium | | | | | | |
| Performance Test Impact: | Yes | | | | | | |
| Market Trials: | No | | | | | | |
| UAT Complexity: | Medium | | | | | | |

Option 1 - Process Impact Assessment

| Process Area | Complexity | File Formats | Exceptions | External Screens | Batch Jobs | Performance Test? |
|-----------------------|------------|--------------|------------|------------------|------------|-------------------|
| SPA | Low | No | No | No | No | No |
| Metering (Reads) | n/a | n/a | n/a | n/a | n/a | n/a |
| Reconciliation | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Capacity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Commodity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Amendment | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Other | n/a | n/a | n/a | n/a | n/a | n/a |
| Rolling AQ | Med | No | No | No | No | Yes |
| Formula Year AQ | n/a | n/a | n/a | n/a | n/a | n/a |
| RGMA | Low | No | Yes | No | Yes | Yes |
| DSC Service | n/a | n/a | n/a | n/a | n/a | n/a |
| Other (Specify) | n/a | n/a | n/a | n/a | n/a | n/a |



9e. XRN4871 Modification 0665 – Changes to Ratchet Regime (Part B)

- Verbal update to be provided



9f. XRN4930 - Requirement to inform Shipper of Meter Link Code change

High Level System Solution
Impact Assessment

Overview

- During DSG development and HLSO review, members asked a number of questions that would support any decision being made at ChMC
- Questions being...
 - How many P&S Supply Meter Points are currently in UKL?
 - How many Meter Link Code changes have been processed since NEXUS go-live?

Overview

- P&S Supply Meter Points in UKL = **1,570**
 - P = **431**
 - S = **1,139**
- Meter Link Code changes processed since NEXUS go-live = **447**
 - Freestanding to P or S = **10**
 - P or Sub to Freestanding = **437**

Change Overview

XRN4930 - Requirement to inform shipper of Meter Link Code

Pre-Nexus implementation, when a Meter Link Code was amended, a K15 record was sent to the Shipper within an MRI file. A shipper has identified that this is no longer happening and is reliant on these updates for effective operational processing. This was not called out as a requirement for Nexus and was missed during implementation. We now require any amendment to the Meter Link Code to update the current Shipper via a K15 record (with an MRI file).

Solution Options

1

Re-instate notification of Meter Link Code changes via MRI File (K15 record) with retrospective files

2

Re-instate notification of Meter Link Code changes via MRI File (K15 record)

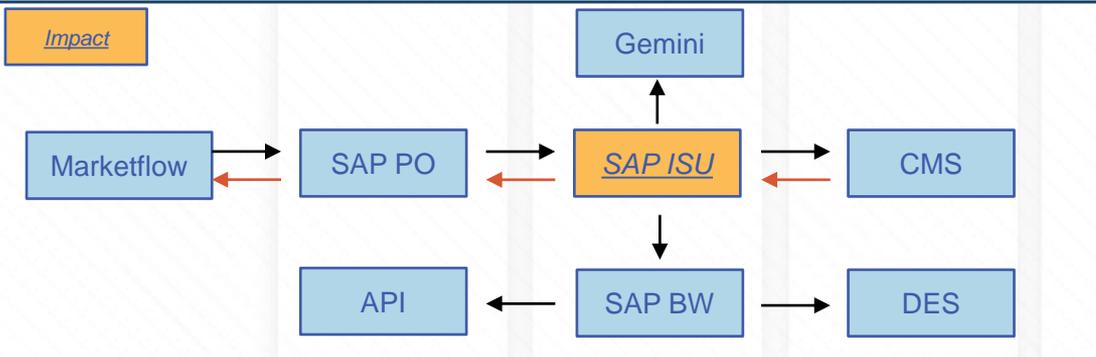
Option 1 - High Level Impact Assessment

1 - Re-instate notification of Meter Link Code changes via MRI File (K15 record) with retrospective files.

For change in the Meter Link Code; MRI (K15) will be triggered whenever there was a link code change in the system i.e. Prime to Freestanding or visa versa. This is done by the users manually at the back of exceptions.

A new report is required to be developed to issue MRI (K15) files to the Shippers for the Meter Link Code changed in UK Link post Nexus Go Live.

Impacted Systems



Assumptions

- Market Trials costs are not considered
- Performance Testing will not be required

| Overall Impact | Release Type | High Level Cost Estimate |
|----------------|--------------|--------------------------|
| Low | Minor | 12,000 - 22,000 GBP |

Option 1 - System Impact Assessment

| | Reports | Interface | Conversion | Enhancements | Forms | Workflow | Data Migration |
|--|---|---|------------|--------------|-------|----------|----------------|
| System Component: | SAP ISU | SAP ISU | | | | | |
| Impacted Process Areas: | SPA/RGMA | SPA/RGMA | | | | | |
| Complexity Level (per RICEFW item): | Low | Low | | | | | |
| Change Description: | New report to trigger MRI for retrospective updates | MRI needs to be triggered when the site is converted from Prime to Freestanding or visa versa | | | | | |

| | ISU | BW | PO / Marketflow | DES | CMS | AMT | API |
|--------------------------------------|-----|----|-----------------|-----|-----|-----|-----|
| Test Data Prep Complexity: | Low | | | | | | |
| Unit and Sys Test Complexity: | Low | | | | | | |
| Pen Test Impact: | No | | | | | | |
| Regression Testing Coverage: | Low | | | | | | |
| Performance Test Impact: | No | | | | | | |
| Market Trials: | No | | | | | | |
| UAT Complexity: | Low | | | | | | |

Option 1 - Process Impact Assessment

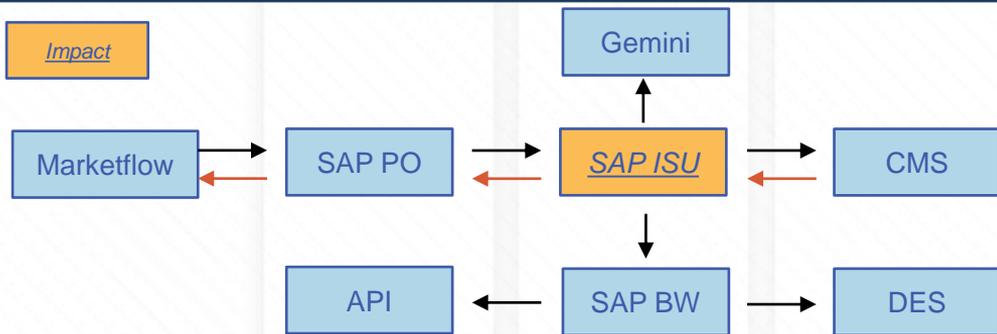
| Process Area | Complexity | File Formats | Exceptions | External Screens | Batch Jobs | Performance Test? |
|-----------------------|------------|--------------|------------|------------------|------------|-------------------|
| SPA | Low | No | No | No | No | No |
| Metering (Reads) | n/a | n/a | n/a | n/a | n/a | n/a |
| Reconciliation | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Capacity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Commodity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Amendment | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Other | n/a | n/a | n/a | n/a | n/a | n/a |
| Rolling AQ | n/a | n/a | n/a | n/a | n/a | n/a |
| Formula Year AQ | n/a | n/a | n/a | n/a | n/a | n/a |
| RGMA | n/a | n/a | n/a | n/a | n/a | n/a |
| DSC Service | n/a | n/a | n/a | n/a | n/a | n/a |
| Other (Specify) | n/a | n/a | n/a | n/a | n/a | n/a |

Option 2 - High Level Impact Assessment

2 - Re-instate notification of Meter Link Code changes via MRI File (K15 record)

For change in the Meter Link Code; MRI (K15) will be triggered whenever there was a link code change in the system i.e. Prime to Freestanding or visa versa. This is done by the users manually at the back of exceptions.

Impacted Systems



Assumptions

- Market Trials costs are not considered.
- Performance Testing will not be required.
- The list of impacted MPRNs which have had Meter Link code updates from Nexus Go Live will be shared in an excel format (to be agreed)

| Overall Impact | Release Type | High Level Cost Estimate |
|----------------|--------------|--------------------------|
| Low | Minor | 7,000 - 17,000 GBP |

Option 2 - System Impact Assessment

| | Reports | Interface | Conversion | Enhancements | Forms | Workflow | Data Migration |
|-------------------------------------|---------|---|------------|--------------|-------|----------|----------------|
| System Component: | | SAP ISU | | | | | |
| Impacted Process Areas: | | SPA/RGMA | | | | | |
| Complexity Level (per RICEFW item): | | Low | | | | | |
| Change Description: | | MRI needs to be triggered when the site is converted from Prime to Freestanding or visa versa | | | | | |

| | ISU | BW | PO / Marketflow | DES | CMS | AMT | API |
|-------------------------------|-----|----|-----------------|-----|-----|-----|-----|
| Test Data Prep Complexity: | Low | | | | | | |
| Unit and Sys Test Complexity: | Low | | | | | | |
| Pen Test Impact: | No | | | | | | |
| Regression Testing Coverage: | Low | | | | | | |
| Performance Test Impact: | No | | | | | | |
| Market Trials: | No | | | | | | |
| UAT Complexity: | Low | | | | | | |

Option 2 - Process Impact Assessment

| Process Area | Complexity | File Formats | Exceptions | External Screens | Batch Jobs | Performance Test? |
|-----------------------|------------|--------------|------------|------------------|------------|-------------------|
| SPA | Low | No | No | No | No | No |
| Metering (Reads) | n/a | n/a | n/a | n/a | n/a | n/a |
| Reconciliation | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Capacity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Commodity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Amendment | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Other | n/a | n/a | n/a | n/a | n/a | n/a |
| Rolling AQ | n/a | n/a | n/a | n/a | n/a | n/a |
| Formula Year AQ | n/a | n/a | n/a | n/a | n/a | n/a |
| RGMA | n/a | n/a | n/a | n/a | n/a | n/a |
| DSC Service | n/a | n/a | n/a | n/a | n/a | n/a |
| Other (Specify) | n/a | n/a | n/a | n/a | n/a | n/a |



9g. XRN4955 - Amendment of MDD PSR Needs Codes and Needs Code Descriptions

High Level System Solution
Impact Assessment

Change Overview

XRN4955 - Amendment of MDD PSR Needs Codes and Needs Code Descriptions

This change has been raised to implement SPAA CP 471 - "Amendment of MDD PSR Needs Codes and Needs Code Descriptions" which is looking to amend the MDD to align the energy (Gas & Electricity) PSR Needs Codes and Needs Codes Descriptions with those used in Water. Below are the list of Amendments to be made:

- 4 description enhancements (for Needs Codes 19, 20, 23 and 27)
- 1 Needs Code to be discontinued (code 10) and replaced by 2 new Needs Codes (35 and 36)
- 1 new code (37) directly related to water dependency

Solution Options

1

Amend PSR Need Codes/Descriptions with UK Link

2

Amend PSR Need Codes/Descriptions with UK Link (including data conversion)

Option 1 - High Level Impact Assessment

1 - Amend PSR Need Codes/Descriptions with UK Link

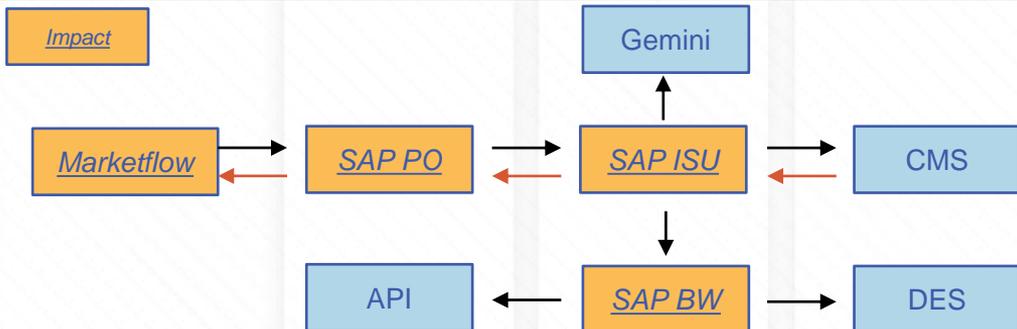
As part of this change, below changes are anticipated in the systems:

SAP ISU: File formats (CNC, CNR, CNF, CFR, EDL, IDL, EWS, CRS) needs to be updated to reflect the 3 new PSR codes (35, 36 and 37). Workflow changes are required to handle the inflight scenarios where before implementation 10 is received with a Go Live date on or after the Implementation date.

SAP PO and Marketflow: File formats (CNC, CNR, CNF, CFR, EDL, IDL, EWS, CRS) to be updated to reflect the 3 new PSR codes (35, 36 and 37).

SAP BODs: File (EQL, IQL) changes needs to be done in the BODs layer while file generation.

Impacted Systems



Assumptions

- Market Trials costs are not considered
- Performance Testing will not be required
- Inflight switching or updates needs to be handled
- PSR codes will flow as per BAU to SAP BW
- Impacted files are limited to CNC, CNR, CNF, CFR, IQL, EQL, EDL, IDL, EWS, CRS

| Overall Impact | Release Type | High Level Cost Estimate |
|----------------|---------------|--------------------------|
| Low | Major / Minor | 12,000 - 22,000 GBP |

Option 1 - System Impact Assessment

| | Reports | Interface | Conversion | Enhancements | Forms | Workflow | Data Migration |
|-------------------------------------|---------|---|------------|--------------|-------|---|----------------|
| System Component: | | SAP ISU | | | | SAP ISU | |
| Impacted Process Areas: | | SPA | | | | SPA | |
| Complexity Level (per RICEFW item): | | Low | | | | Low | |
| Change Description: | | <ul style="list-style-type: none"> Configuration changes are required to be done to PSR description table File format (allowable values) updates to CNC, CNR, CNF, CFR, IQL, EQL, EDL, IDL, EWS, CRS. | | | | Code changes to be done to handle the Inflight scenarios. | |

| | ISU | BW | PO / Marketflow | DES | CMS | AMT | API |
|-------------------------------|-----|----|-----------------|-----|-----|-----|-----|
| Test Data Prep Complexity: | Low | | | | | | |
| Unit and Sys Test Complexity: | Low | | | | | | |
| Pen Test Impact: | No | | | | | | |
| Regression Testing Coverage: | Low | | | | | | |
| Performance Test Impact: | Yes | | | | | | |
| Market Trials: | No | | | | | | |
| UAT Complexity: | Low | | | | | | |

Option 1 - Process Impact Assessment

| Process Area | Complexity | File Formats | Exceptions | External Screens | Batch Jobs | Performance Test? |
|-----------------------|------------|--------------|------------|------------------|------------|-------------------|
| SPA | Low | Yes | No | No | No | No |
| Metering (Reads) | n/a | n/a | n/a | n/a | n/a | n/a |
| Reconciliation | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Capacity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Commodity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Amendment | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Other | n/a | n/a | n/a | n/a | n/a | n/a |
| Rolling AQ | n/a | n/a | n/a | n/a | n/a | n/a |
| Formula Year AQ | n/a | n/a | n/a | n/a | n/a | n/a |
| RGMA | n/a | n/a | n/a | n/a | n/a | n/a |
| DSC Service | n/a | n/a | n/a | n/a | n/a | n/a |
| Other (Specify) | n/a | n/a | n/a | n/a | n/a | n/a |

Option 2 - High Level Impact Assessment

2 - Amend PSR Need Codes/Descriptions with UK Link (including data conversion)

As part of this change, below changes are anticipated in the systems:

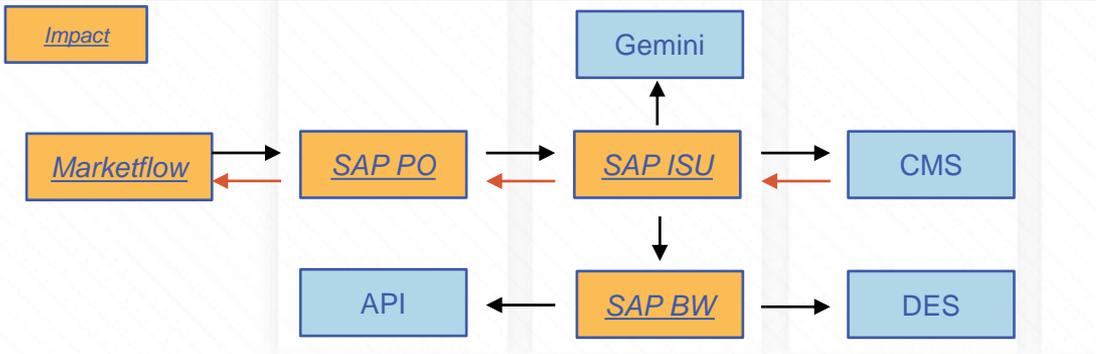
SAP ISU: File formats(CNC, CNR, CNF, CFR, EDL, IDL, EWS, CRS) needs to be updated to reflect the 3 new PSR codes (35, 36 and 37). Workflow changes are required to handle the inflight scenarios where before implementation 10 is received with a Go Live date on or after the Implementation date.

An existing report needs to be updated to migrate all the End Consumers with PSR code 10 into 35 and 36.

SAP PO and Marketflow: File formats(CNC, CNR, CNF, CFR, EDL, IDL, EWS, CRS) needs to be updated to reflect the 3 new PSR codes (35, 36 and 37).

SAP BODs: File (EQL, IQL) changes needs to be done in the BODs layer while file generation.

Impacted Systems



Assumptions

- Market Trials costs are not considered.
- Performance Testing will not be required.
- Inflight switching or updates needs to be handled.
- PSR codes will flow as per BAU to SAP BW.
- Impacted files are limited to CNC, CNR, CNF, CFR, IQL, EQL, EDL, IDL, EWS, CRS.

| Overall Impact | Release Type | High Level Cost Estimate |
|----------------|---------------|--------------------------|
| Low | Major / Minor | 12,000 - 22,000 GBP |

Option 2 - System Impact Assessment

| | Reports | Interface | Conversion | Enhancements | Forms | Workflow | Data Migration |
|--|--|--|------------|--------------|-------|---|----------------|
| System Component: | SAP ISU | SAP ISU | | | | SAP ISU | |
| Impacted Process Areas: | SPA | SPA | | | | SPA | |
| Complexity Level (per RICEFW item): | Low | Low | | | | Low | |
| Change Description: | Existing report needs to be modified to cater the migration of 1 PSR code to 2 PSR codes | <ul style="list-style-type: none"> Configuration changes are required to be done to PSR description table File format (allowable values) updates to CNC, CNR, CNF, CFR, IQL, EQL, EDL, IDL, EWS, CRS | | | | Code changes to be done to handle the Inflight scenarios. | |

| | ISU | BW | PO / Marketflow | DES | CMS | AMT | API |
|--------------------------------------|-----|----|-----------------|-----|-----|-----|-----|
| Test Data Prep Complexity: | Low | | | | | | |
| Unit and Sys Test Complexity: | Low | | | | | | |
| Pen Test Impact: | No | | | | | | |
| Regression Testing Coverage: | Low | | | | | | |
| Performance Test Impact: | No | | | | | | |
| Market Trials: | No | | | | | | |
| UAT Complexity: | Low | | | | | | |

Option 2 - Process Impact Assessment

| Process Area | Complexity | File Formats | Exceptions | External Screens | Batch Jobs | Performance Test? |
|-----------------------|------------|--------------|------------|------------------|------------|-------------------|
| SPA | Low | Yes | No | No | No | No |
| Metering (Reads) | n/a | n/a | n/a | n/a | n/a | n/a |
| Reconciliation | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Capacity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Commodity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Amendment | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Other | n/a | n/a | n/a | n/a | n/a | n/a |
| Rolling AQ | n/a | n/a | n/a | n/a | n/a | n/a |
| Formula Year AQ | n/a | n/a | n/a | n/a | n/a | n/a |
| RGMA | n/a | n/a | n/a | n/a | n/a | n/a |
| DSC Service | n/a | n/a | n/a | n/a | n/a | n/a |
| Other (Specify) | n/a | n/a | n/a | n/a | n/a | n/a |



9h. XRN4865 – Amendments to Treatments and Reporting of CYCL Reads

High Level System Solution
Impact Assessment

Change Overview

XRN4865 - Amendment to Treatment and Reporting of CYCL Reads

SAP ISU is incorrectly treating Class 3 & 4 Supply Meter Points estimated CYCL reads for Confirmation Effective Dates, where asset is installed prior to this date (Greenfield & Brownfield) as actual readings and not estimates causing issues for downstream processes. Below are the issues identified that require addressing as part of this change:

- The CYCL estimated read is being incorrectly treated as an actual read for any subsequent read validations, even though it is an estimate. Since the CYCL read which is an estimated read is being used for read validations, it is resulting in subsequent reads submitted by the Shipper being incorrectly rejected, if they are lower than the estimated CYCL read (as this should be accepted).
- The read type in the MBR file for the CYCL estimated read is being incorrectly reported as N (normal) instead of E (estimate).
- The [READ_REASON_CODE] description in the [M03 BILLREADS] record (MBR file) format does not currently state that CYCL read can relate to a Back Billing estimated read for Confirmation effective date. Currently states “CYCL – Cyclic Reads (Prime & Sub Reads)” only. Although it was agreed as a part of an industry workaround to send such estimated reads as CYCL reads in the MBR file, there was no change done to the file format description which is now not consistent with what is being reported in the file.

Solution Options

1

Fix multiple issues that are being experienced in SAP ISU relating to CYCL Confirmation Effective Date estimated reads

Option 1 - High Level Impact Assessment

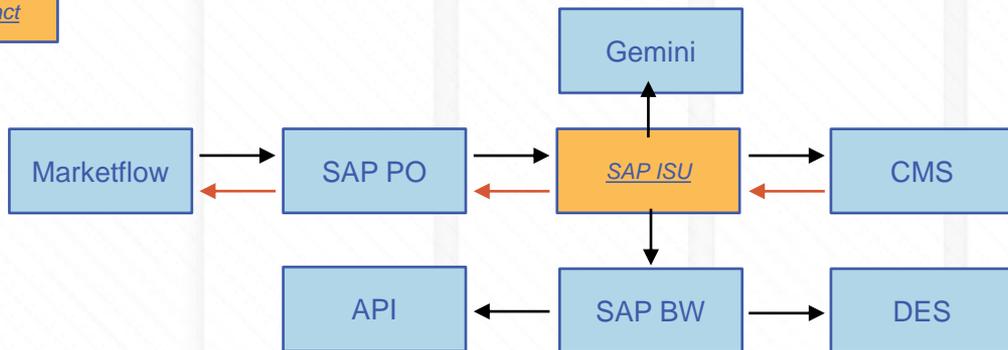
1 - Fix multiple issues that are being experienced in SAP ISU relating to CYCL Confirmation Effective Date estimated reads

Below issues needs to be catered as part of this change:

- CYCL estimate read on Confirmation Effective Date to be treated as an estimate for Read Tolerance checks on submitted readings (Read Files, RGMA, Manual Screen).
- Ensure the read type in the MBR file containing the CYCL estimate read on Confirmation Effective Date is populated as an E (estimate).
- Amend the [READ_REASON_CODE] description in the [M03 BILLREADS] record (MBR file) format to include the use of CYCL reads as Back Billing Estimates.

Impacted Systems

Impact



Assumptions

- AMT changes and Market Trials costs are not considered
- Market trials is not required
- MDR file is not impacted by this change
- No File Format changes are anticipated
- No PT is required for this change

Overall Impact

Low

Release Type

Minor

High Level Cost Estimate

22,000 – 32,000 GBP

Option 1 - System Impact Assessment

| | SAP ISU | | | | |
|---------------------|---|--|--|--|--|
| System Component: | Process Code | | | | |
| Development Type: | Code Change | | | | |
| Impacted User(s): | Shippers | | | | |
| Build Type: | Existing | | | | |
| Change Description: | Code changes needs to be done to cater the 3 changes and allow the reads to be uploaded correctly | | | | |

| | | | | | |
|----------------------------|---|--|--|--|--|
| Requirement Clarity: | G | | | | |
| Change Complexity: | G | | | | |
| Integration Complexity: | G | | | | |
| Test Data Prep Complexity: | G | | | | |
| Test Execution: | G | | | | |
| Regression Testing Impact: | G | | | | |
| Performance Impact: | G | | | | |

Option 1 - Process Impact Assessment

| Process Area | Complexity | File Formats | Exceptions | External Screens | Batch Jobs | Performance Test? |
|-------------------------|------------|--------------|------------|------------------|------------|-------------------|
| SPA | n/a | n/a | n/a | n/a | n/a | n/a |
| Metering (Reads) | L | N | N | N | N | N |
| Reconciliation | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Capacity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Commodity | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Amendment | n/a | n/a | n/a | n/a | n/a | n/a |
| Invoicing – Other | n/a | n/a | n/a | n/a | n/a | n/a |
| Rolling AQ | n/a | n/a | n/a | n/a | n/a | n/a |
| Formula Year AQ | n/a | n/a | n/a | n/a | n/a | n/a |
| RGMA | n/a | n/a | n/a | n/a | n/a | n/a |
| DSC Service | n/a | n/a | n/a | n/a | n/a | n/a |
| Other (CMS, PO, Portal) | n/a | n/a | n/a | n/a | n/a | n/a |

10. Miscellaneous

- 10a. IX Update
 - Slides to be presented by John Woodward
- 10b. Shipper / PARR report – Analysis update
 - Slides to be presented by David Newman
- 10c. KVI Survey results



10a. Xoserve IX Refresh

Customer Update

IX Refresh Customer Update

Welcome to May's update of the IX Refresh Project.

As described in last month's update, the project had completed the improvements to the server image, meaning we were able to undertake a 2nd round of Proof of Concept testing.

This testing and subsequent sign off have been the project's primary focus throughout May, and I'm pleased to say that the updated image passed the more robust testing carried out.

As a result, we have been working with customers in the earlier phase of the rollout to plan a migration as a 2nd pilot and are anticipating an installation to take place in Mid June. The first batch of servers have been built and are ready for deployment.

As well as seeking a new pilot site, the project has deployed the latest server image to the original pilot site and have also completed a non standard migration for a customer who needed assistance. As a result, the project has completed the migration of two customers, giving us further assurance in the technology ahead of the 2nd pilot site.

Once we have migrated the 2nd pilot site, the rollout will commence.

Please feel free to get in touch with the team by emailing box.xoserve.IXEnquiries@xoserve.com if you would like any further information.

Thank you for your ongoing support and I look forward to updating you again next month.

Michelle Callaghan
People Platform Director

Look Forward: IX Program Quarterly Activity

Don't forget to visit the [FAQs section](#) for more detailed information on what you can expect during the project delivery stages. If there is anything else that you would like to see please get in touch and we will add it for you.

Three Month Timeline

June

- 2nd pilot site migration
- Phone line installations to continue
- Router installations to begin
- Rollout begins with customers in 1st batch
- Prepare July migrations
- Submit final phase of customers to Gamma once rollout begins

July

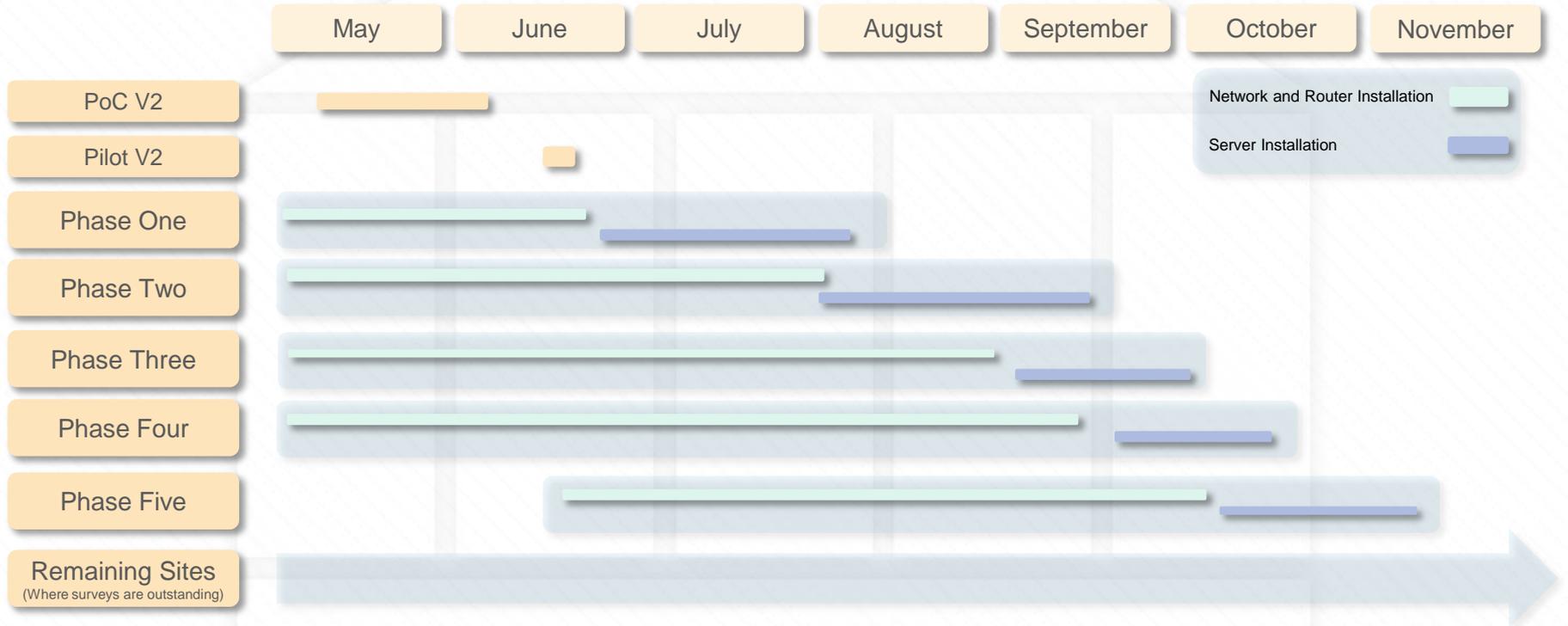
- Relevant sites contacted to have servers installed
- Prepare August migrations
- Phone line installations to continue
- Option 4 network lines start to be commissioned

August

- Rollout continues for line, router and server installations
- Customers contacted to have servers installed
- Prepare September migrations
- Phone line installations to continue
- Option 4 network line commissions continue

You will be contacted individually by Gamma to arrange for your router and server installations.

High level migration plan – Current & future view for 2019





10b. Shipper / PARR report – Analysis update

Agenda

Take customers on the journey including:

- **Approach to the Analysis**
- **Journey / Results of the Analysis**
- **Enduring solution / benefits to the customer**
- **Next Steps**



Analysis Approach

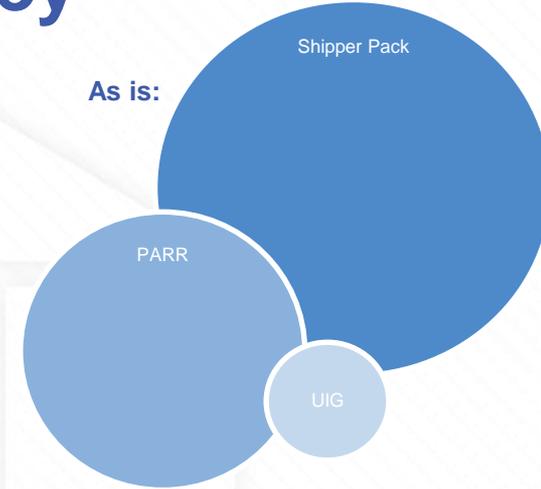
- **The analysis was a collaborative approach involving customer team, advocates, Subject Matter Experts (SMEs) and the Data Platform team**
- **Holistic approach to the analysis which considered:**
 - **Existing Shipper Pack / PARR report**
 - **Identified inflight change**
 - **Anticipated future needs**
- **The analysis looked to identify:**
 - **Consistency / alignment issues**
 - **New metrics / insight to be added**
 - **Opportunities to automate the process**



Analysis Output / Journey

- The analysis identified a number of issues (examples are detailed within the table below) including:
 - Inconsistencies between the reports
 - Reports not being aligned e.g. split by class
 - A lack of low level information / insight

As is:



Inconsistency examples:

| Topic (Metric) | Shipper Pack | PARR Report |
|----------------------------------|---|---|
| Read Performance | A count measuring number of reads submitted, accepted, rejected | Measured based on number of reads received split by product category depicted as a % |
| Standard Correction Factor | Title "Incorrect correction factors" split by DM/NDM in comparison to industry totals | Measured based on AQ threshold split by EUC band |
| No Meter Recorded | Title "Confirmed No Asset" 12 month trend along with industry totals | A 12 month trend split by class |
| No Meter Recorded with Data Flow | Not available in the Shipper Pack | No Meter recorded gives a 12 month trend and checks RGMA activity and splits by class |

- The analysis established that there is little overlap between the Shipper Pack and PARR reports, they were designed and built for different purposes at different times
- How the reports are used is changing, customers are cross referencing the reports which is leading to confusion
- The analysis also identified opportunities including:
 - Providing the data via self server mechanism
 - Giving customers insight

Number of changes identified:

| Column1 | Topics (Metric) | Sub-Topics (sub-metrics) | New changes (Metric) | New changes sub-topics (sub-metrics) |
|--------------|-----------------|--------------------------|----------------------|--------------------------------------|
| Shipper Pack | 12 | 33 | 2 | 3 |
| PARR report | 10 | 15 | 4 | 13 |
| UIG | 0 | 0 | 4 | 4 |
| Total | 22 | 48 | 10 | 20 |

Enduring Solution

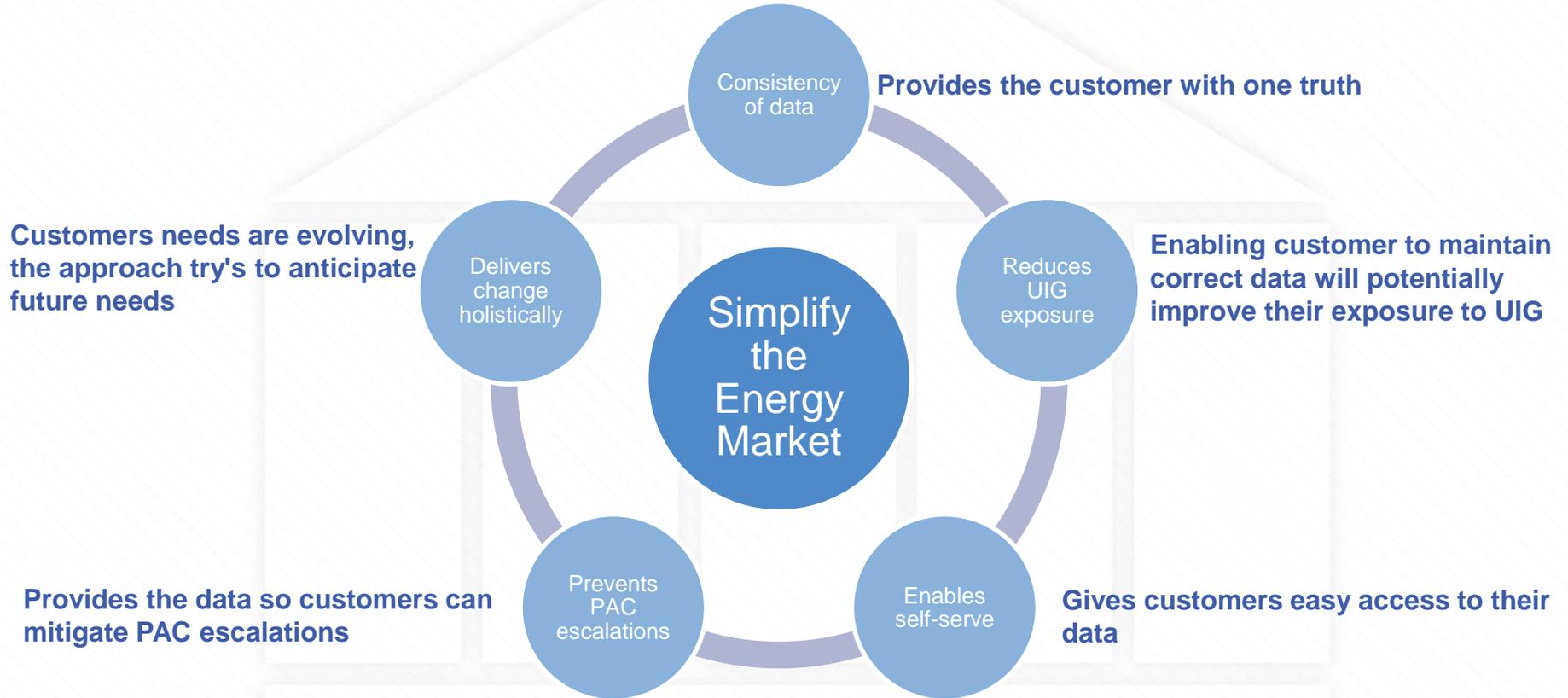
Aims:

- Provides one source of the truth
- Enables customers to drill down and obtain insight
- Customers are able to self-serve

To Be solution:



Benefits for the customer



Next steps

- **Confirm delivery approach:**
 - Existing delivery approach – Delivering individual Change Proposals (CPs) in isolation
 - Iterative delivery model – Regular drops providing early benefits for customers
 - Establishing a Beta Team who will get early visibility of the dashboard to aid development
- **Provide visibility of delivery timelines / costs – July**
- **Mobilise for delivery**



**10c. KVI Change Management Survey
April 2019**

Overview

- 1st Survey completed for year 2019/2020 (April)
- Issued to approx. 450 Industry contacts
- KVI achieved against our target of 90% rated as 'Always' or 'Usually':



- KVI score for April 19 is 95%
- Overall score for the year 2018/2019 is 76.1%

Individual question responses April 19 vs Jan 19

I receive timely and fit for purpose information to enable me to manage new changes that impact my organisation

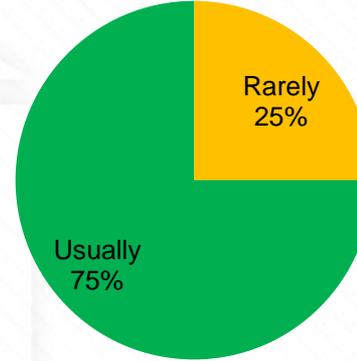
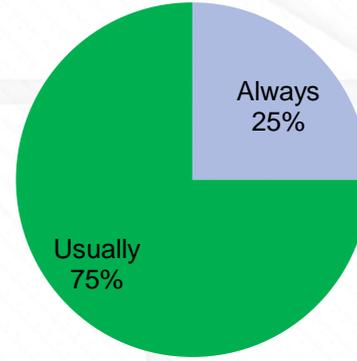
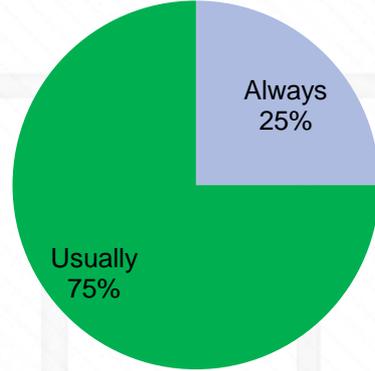
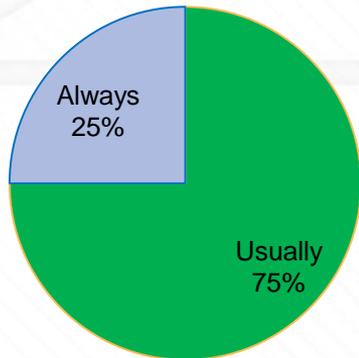
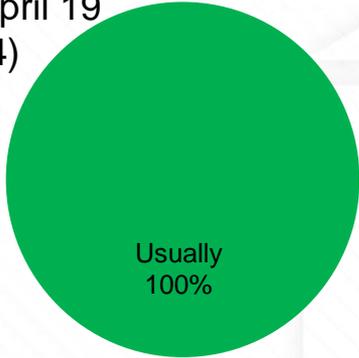
Xoserve presents a range of solution options for each change to enable choice

I trust Xoserve to identify solutions that benefit the whole Industry where possible

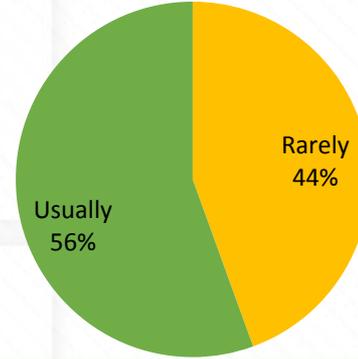
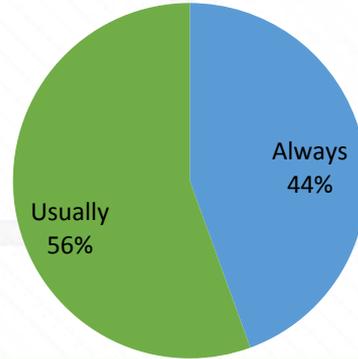
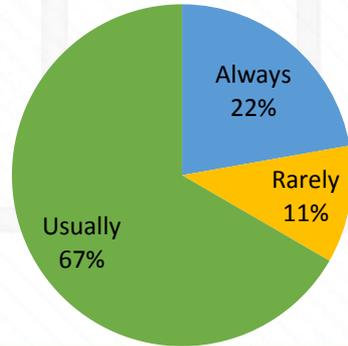
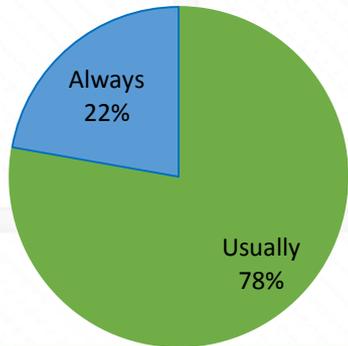
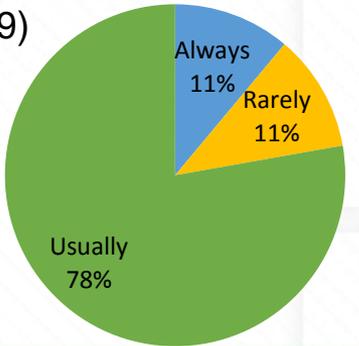
Xoserve supports the ability for me to fully engage me in the change process, should I choose to

I trust Xoserve to deliver changes to agreed costs, timescales and quality

April 19
(4)



Jan 19
(9)



Key Feedback Received – April 2019

2 customers provided further comments on the Change management process

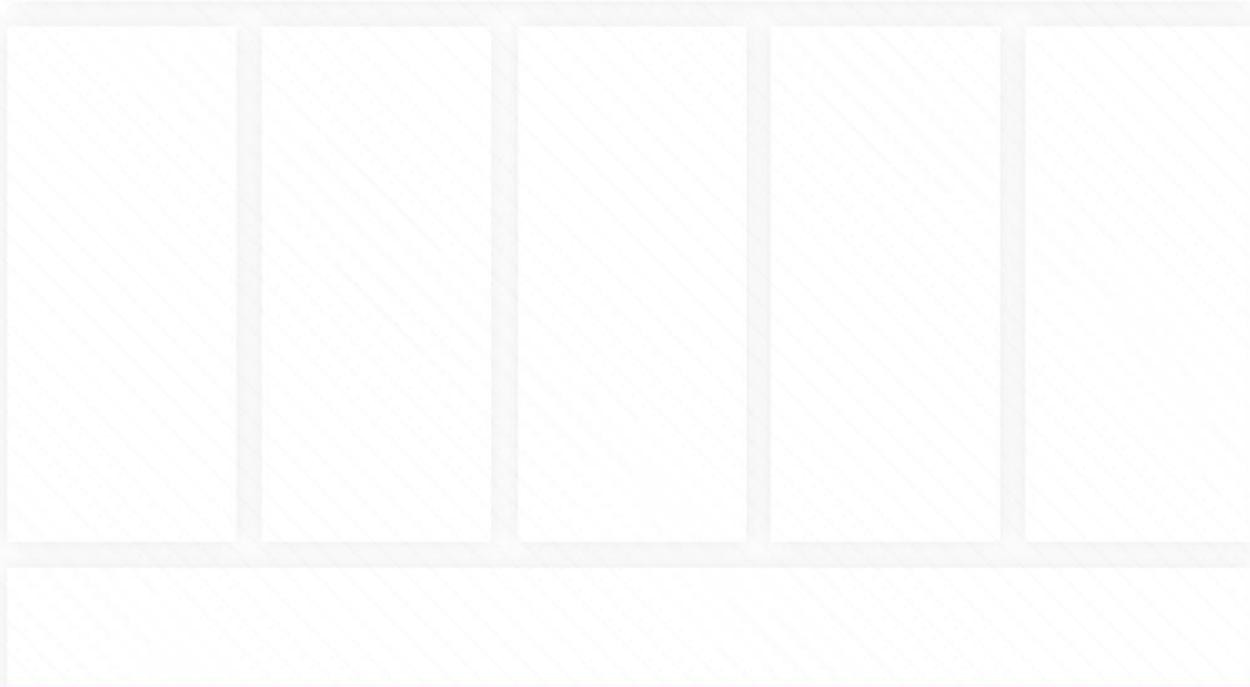
Where appropriate Customer Change will contact provider for further clarification. Where feedback is from named individual we will seek approval before publishing our responses.

Key feedback:

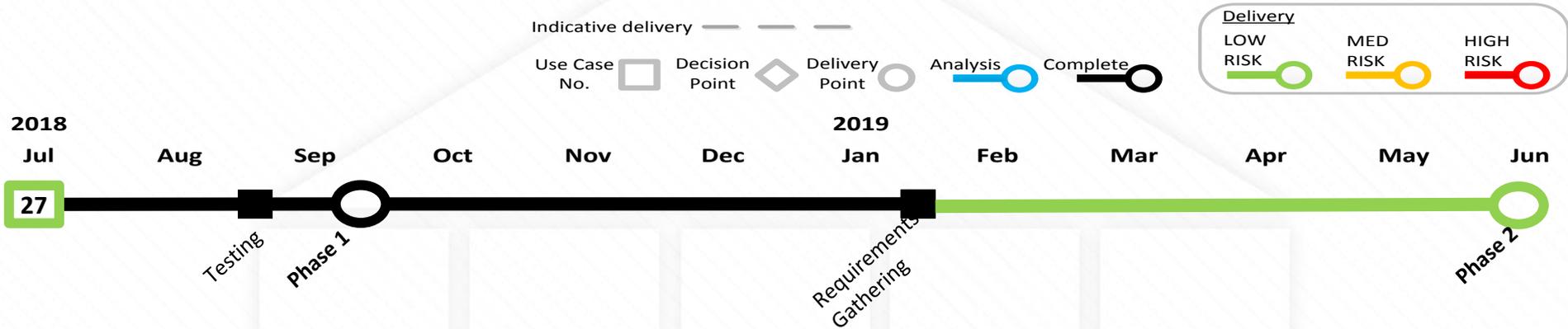
- To understand whether a change is value for money a breakdown of costs would be beneficial.
- The change process has improved and streamlining the Stage gates would improve this further.
- To see learnings from EUC change reflected in future change processes.
- Concerns around potential blockage of BAU changes being implemented due to large changes being delivered.
- Minor and Major releases have worked with sensible approaches towards market trials compared to 2017 & 2018.
- Although improvements made from the Data Office, there is still a slowness in getting reports delivered. Hopefully planned activities will clear the bottleneck and speed up requests.
- Moving CP's to Xoserve website makes them easier to find and navigate, which is a great example of something simple but effective.

11. JMDG Update

- No update or change to slides.



27 Domestic M-Number Helpline [Gas]



Use case overview

- Replace the existing method of providing this service with an online solution
- 500k calls per year, used by domestic consumers

JMDG progression

Assessed, prioritised and requested project team to provide solution.

Solution overview

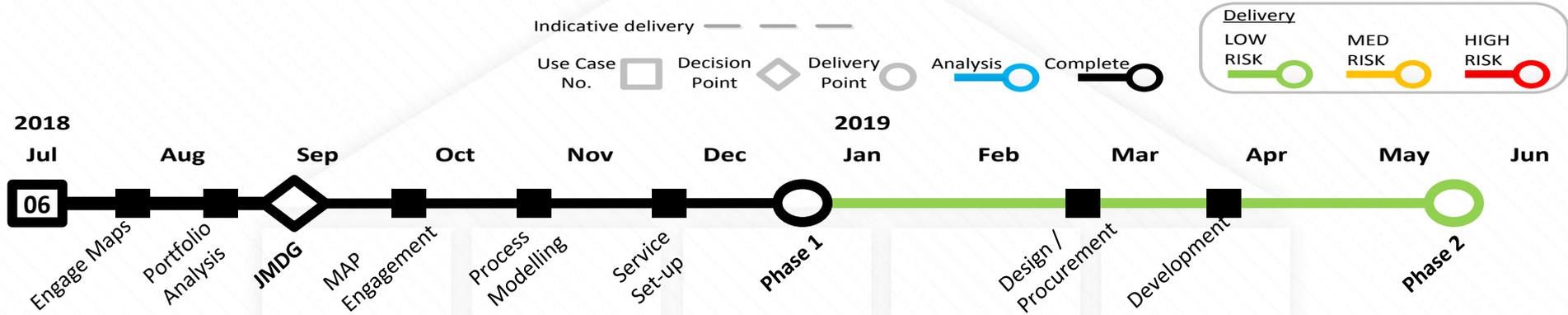
Phase 1 – Web Portal has been delivered to gas consumers. Consumers can obtain MPRN, Gas Supplier and Transporter name

Phase 2 – Enhancement to Web Portal. Key updates include fuzzy matching on searches, more searchable fields and inclusion unregistered sites.

Plan

Phase 1 was delivered in September 2018. Phase 2 has commenced and is on track to launch in June 2019

06 MAPs - Meter Asset Details [Gas]



Use case overview

- Meter asset data on UK Link is not correctly maintained by industry participants
- A reporting service will be provided to compare the MAM / MAP meter point reference number and meter serial number to that held on UK Link

JMDG progression

Assessed, prioritised, requested project team to analyse requirements with MAPs

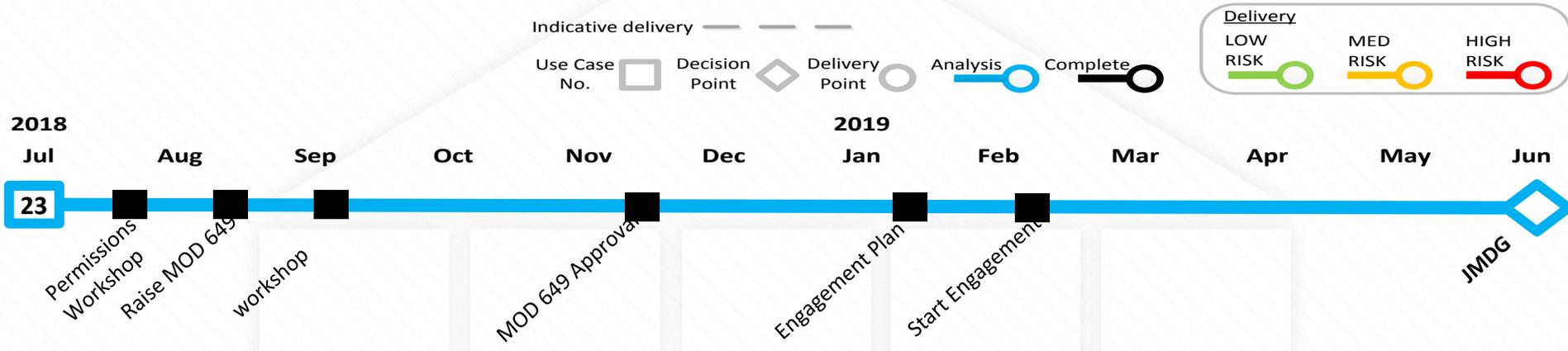
Solution overview

Phase 1 – MAPs to UKLink meter asset comparison service (**Dec '18**) - **Completed**

Phase 2 – MAP to MAP meter asset comparison service (**May '19**) – **In Progress**

Phase 3 – Introduction of MAP ID into UKLink (CSSC) – Enduring solution (**TBC – would be linked to a UKLink Release schedule**)

33 Third Party Services [Twin]



Use case overview

- Provide data services to Third Parties

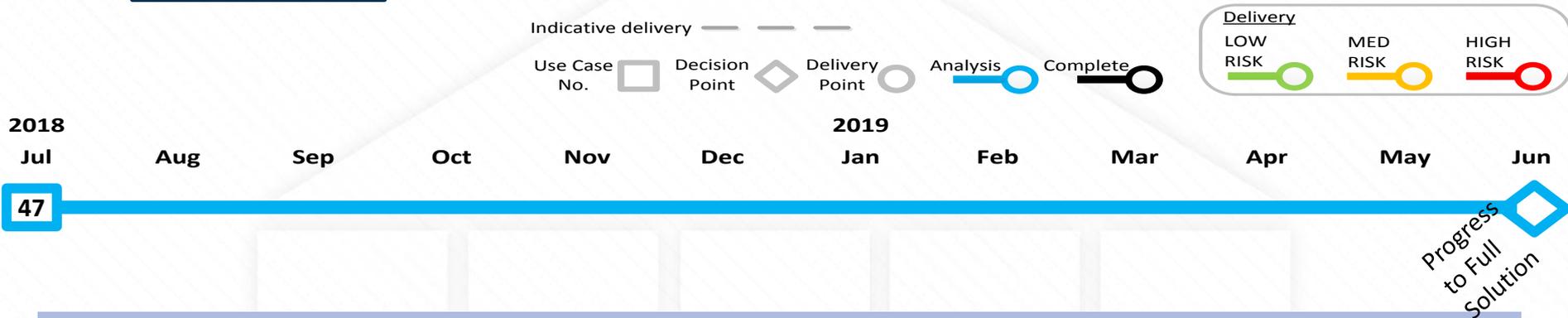
JMDG progression

Assessed, prioritised, requested project team to conduct initial analysis

Overview

- A gas data permissions matrix has been created detailing current industry participants permissions to data
- The data permissions matrix will help highlight potential API services. MOD 649 will help expedite the governance process to provision data new data services to industry participants while still providing a robust approval process
- MRASCo Board has been establishing precedents for third party access approach, which can supplement the gas matrix
- A Third Party industry engagement approach has been created and is being carried out now. Most engagement is complete (MAMs and MOPs scheduled but not complete yet). Will report back to JMDG at June or July meeting.

47 & 09 ASC and CT / VT Ratio (Electricity)



Use case overview

Two linked cases involving DNO data:

047: The MIS could also facilitate access to Current/Voltage Transformer (CT/VT) ratio. The ratios would be populated initially by the distribution network operator and can be queried by Parties should discrepancies be identified as part of meter installation, or commissioning and proving tests.

009: Proposed making EAC available to quoting suppliers, and mentioned inclusion of ASC

JMDG progression

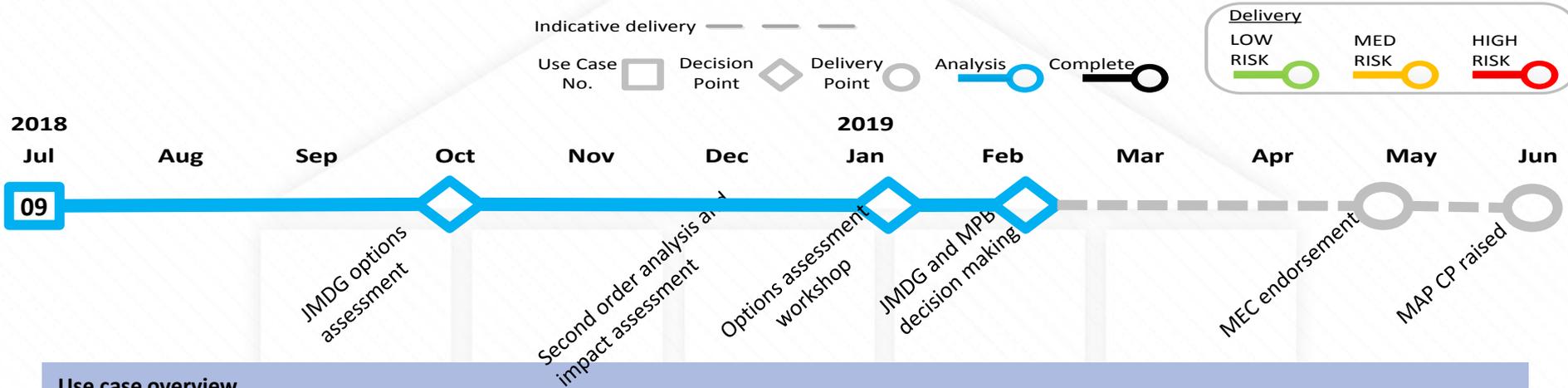
Indicative costs received from ECOES service provider. JMDG decided to progress to full solution design. MIS project team prioritised use cases 9 and 56 (EAC and FiTs Generator access, respectively) with JMDG's agreement. Will refocus on this once use cases 9 and 56 are progressed.

Solution overview

Initial discussions suggest data will be available but DNOs not keen on multiple access to their databases. Main issue with providing ASC is that some distribution businesses aggregated ASC for multiple MPANs onto one MPAN, without there necessarily being a clear link between them which can be used to identify this. Could undermine usefulness of the data.

09

Estimate of Annual Consumption (EAC)



Use case overview

- Make EAC available to quoting supplier

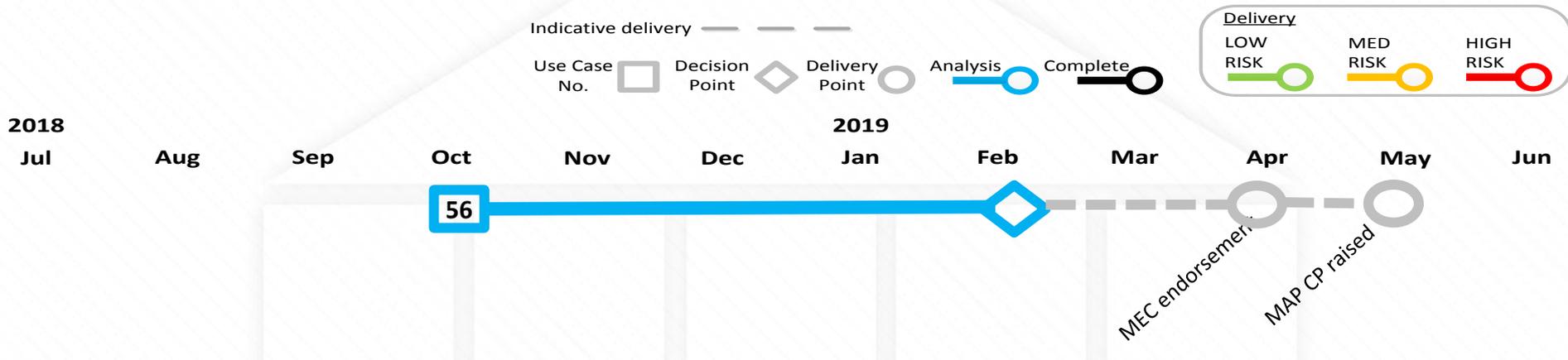
JMDG progression

Agreed to progress two options in tandem at February JMDG – using Electralink’s EAC API to augment ECOES API, or mandating provision of EACs to ECOES.

Overview

- Workshop held 28th January to explore potential sources, formats, frequency of the data
- Discussions with Suppliers and TPIs suggest this has a limited shelf life – something quick and with low overheads preferred.
- Awaiting Electralink input to progress two options to assessment.

56 FiT Licensee Notifications – Smart meter installs



Use case overview

- FiT Licensees would be better able to meet their Supply Licence obligation to administer export payments on metered data whenever possible if a mechanism existed to inform them that a smart meter (which by definition has export metering capability) has been installed on the premises of a FiT

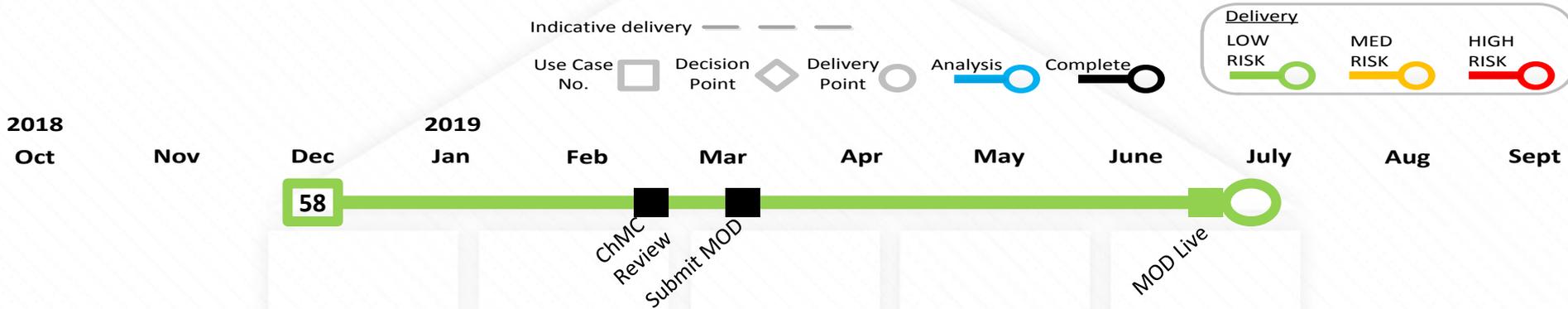
JMDG progression

JMDG agreed high priority progression. Ofgem attended December meeting to participate in discussion on solutions. JMDG agreed in Feb to progress two options to MRA change assessment. Gemserv has raised “self service” option with MEC. Subject to MEC agreement we will raise a Change Proposal.

Options Overview

- ECOES contains meter information (meter serial number, meter type) which would allow FiT Licensees to identify if import MPAN associated with a FiT Generator had a smart meter installed

58 MAP API [Gas]



Use case overview

- There is an opportunity to create a service where MAPs can query the current and historic Supplier ID for assets installed on a supply meter point

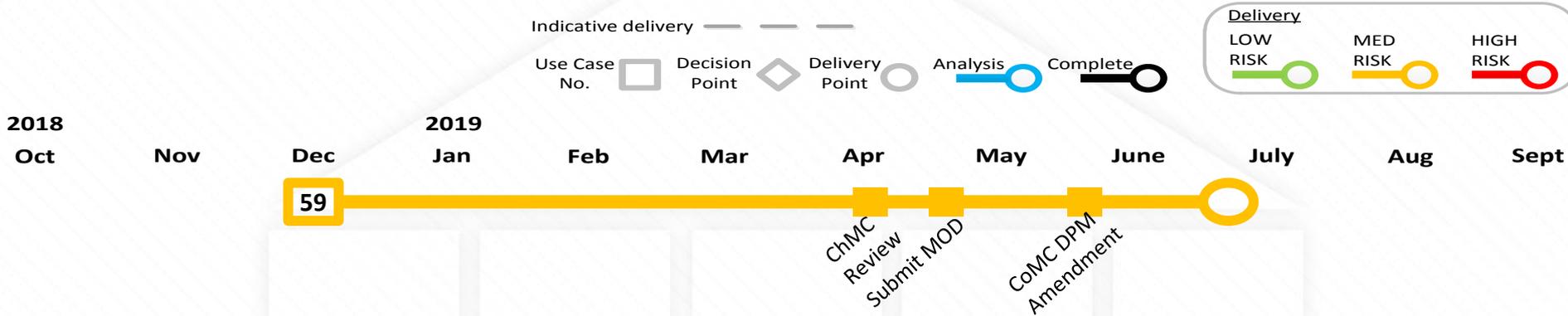
JMDG progression

Assessed, prioritised, requested project team to move to delivery

Overview

- Change Proposal has been raised and sponsored by Colin Blair (MPB Member)
- Project team to provide ChMC feedback to MAPs post meeting to highlight any considerations
- **Dependency:** Change is dependant on MOD and Data Permission Matrix (DPM) Amendment approval. MOD due to go-live on 28th June

59 UKRPA Access to Gas data [Gas]



Use case overview

- There is an opportunity to create a service where MAPs can query the current and historic Supplier ID for assets installed on a meter point

JMDG progression

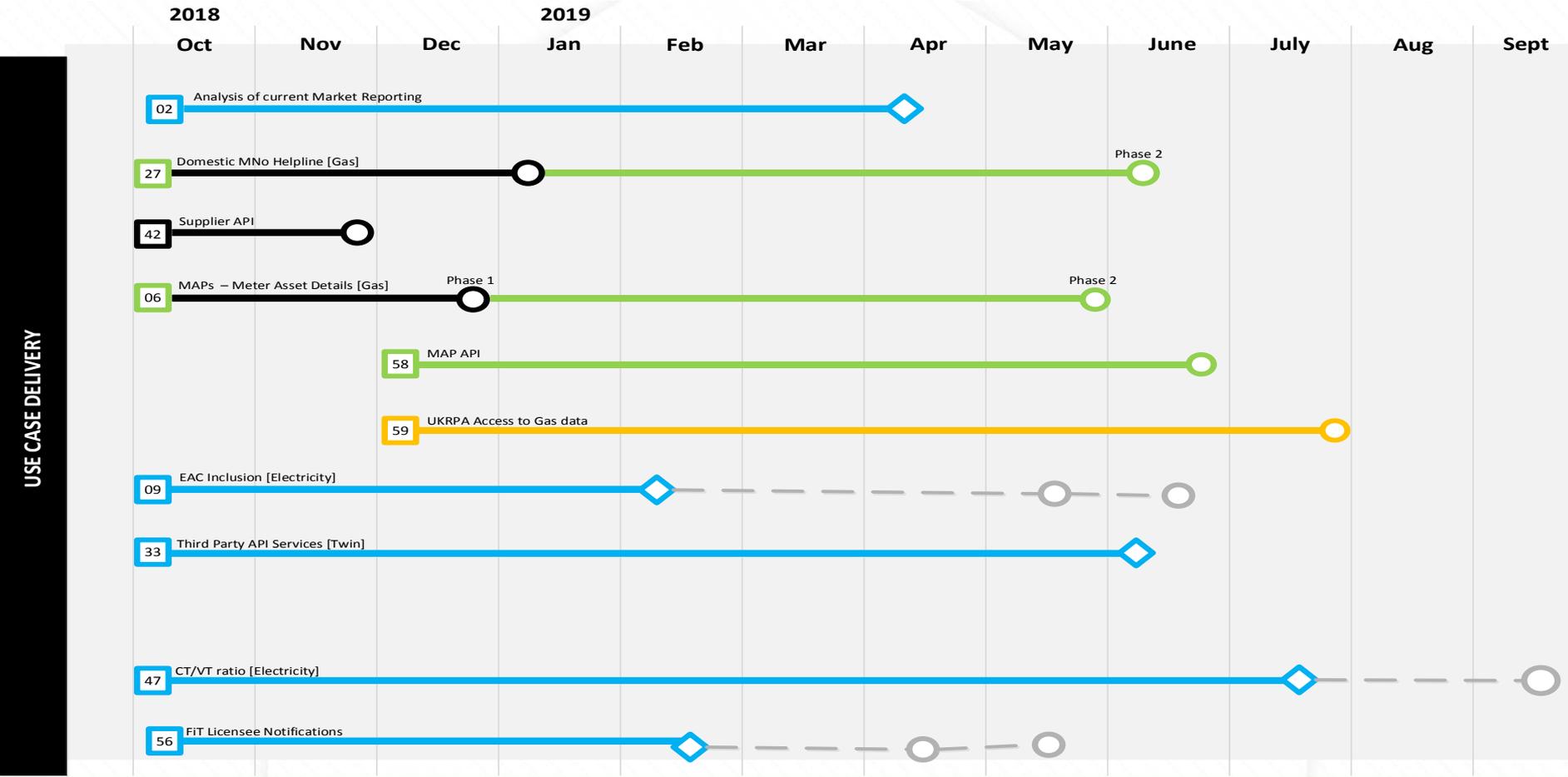
Assessed, prioritised, requested project team to move to delivery

Overview

- To ensure consistency with other related parties who have also requested access to gas data for theft investigation, Xoserve are exploring the strategic approach for this type of request

Market Intelligence Service (MIS) Roadmap

VERSION 2.9



12. UIG Update

UIG Task Force Progress Report

Background

- Modification 0658: 'CDSP to identify and develop improvements to LDZ settlement processes' approved by Ofgem on 6th July 2018
 - Modification raised to authorise the CDSP to assign resources and incur costs related to a Task Force to investigate the causes and influencers of Unidentified Gas (UIG), with a target of reducing the volatility and scale of UIG and developing a robust predictive model for daily UIG for use by all parties.
- BER for Change Reference Number XRN4695: 'Investigating causes and contributors to levels and volatility of Unidentified Gas' approved at ChMC on 11th July 2018
 - This Change Proposal added an additional service line into the DSC to enable Xoserve access to investigate, using resources and technology, causes and contributors to levels and volatility of Unidentified Gas. Xoserve is to provide monthly update reports and recommend proposals and subsequent changes or modifications for the industry.
- The following slides provide:
 - Task Force dashboard
 - POAP
 - Recommendation stats
 - Reporting on budget
 - Advanced machine learning options
 - Task Force next steps

UIG Task Force: Dashboard

| RAG | |
|---------|-----|
| Time | G |
| Cost | G |
| Benefit | N/A |

Overall RAG status:*



| Progress since last month - key milestones | Date | Status |
|--|--------------|----------|
| Executive Summary Update | w/c 29/04/19 | Complete |
| Draft 3.2.5 Modification(s) | 29/04/19 | Complete |
| Attend May Contract Management Committee | 01/05/19 | Complete |
| Customer Training Day - UIG | 03/05/19 | Complete |
| Attend May Change Management Committee | 08/05/19 | Complete |
| Attend May Contract Management Committee (cancelled) | 15/05/19 | Complete |
| Attend UNC Modification Panel (support draft mods) | 16/05/19 | Complete |
| Attend May UIG work group x 2 | 20&21/05/19 | Complete |

| Priorities for next month – key milestones | Date | Status |
|--|--------------|--------|
| Executive Summary Update | w/c 03/06/19 | G |
| Attend May Change Management Committee | 12/06/19 | G |
| Attend May Contract Management Committee | 19/06/19 | G |
| Attend June UIG Work Group | 24/06/19 | G |
| Attend UIG Work Group Mod 0681 | 07/06/19 | G |
| Support Mod development (All) | June ongoing | G |
| Development of automated UIG reporting | End of June | G |

Plan on Page new



Completed activity



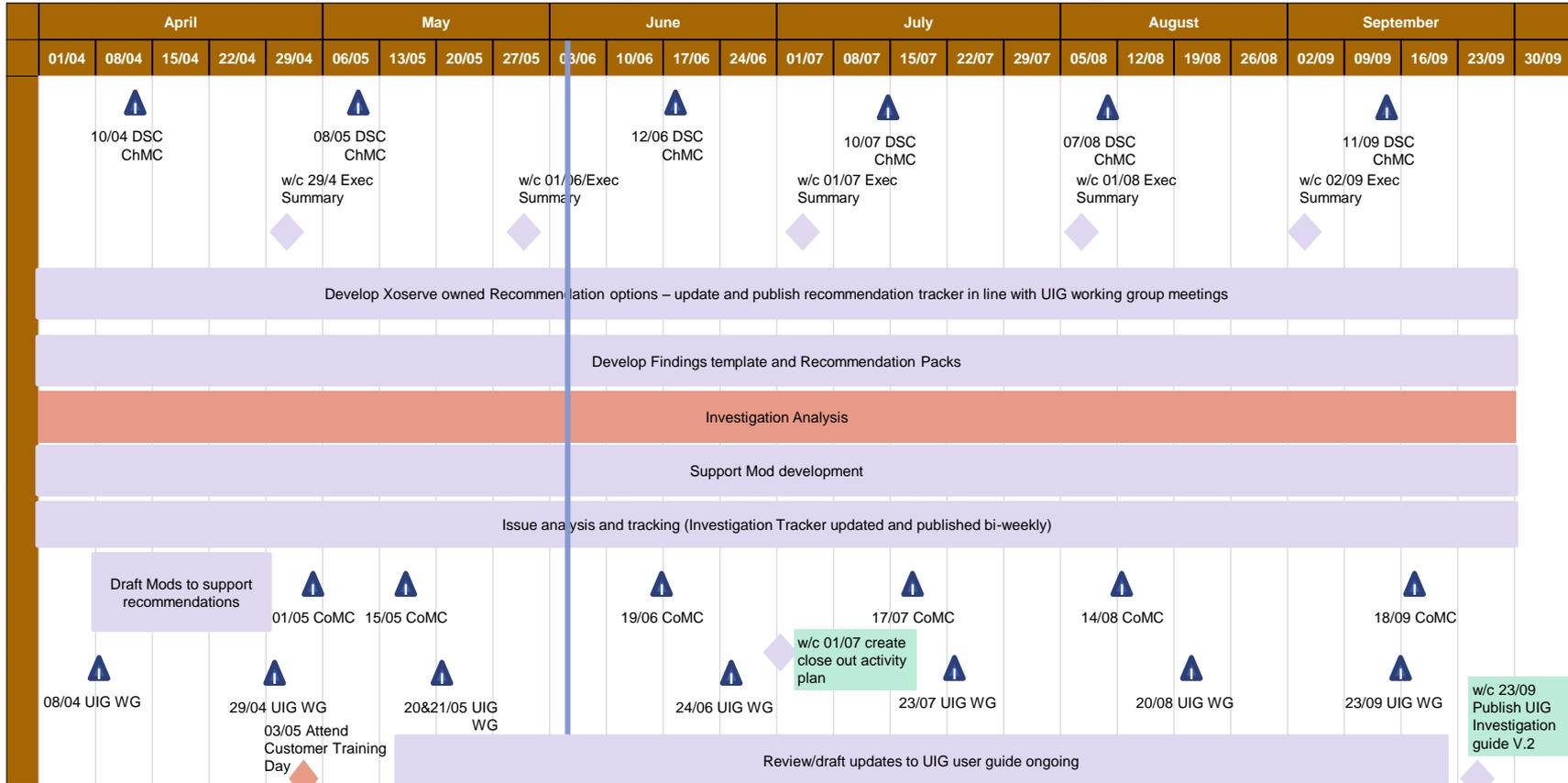
Delivery team milestone



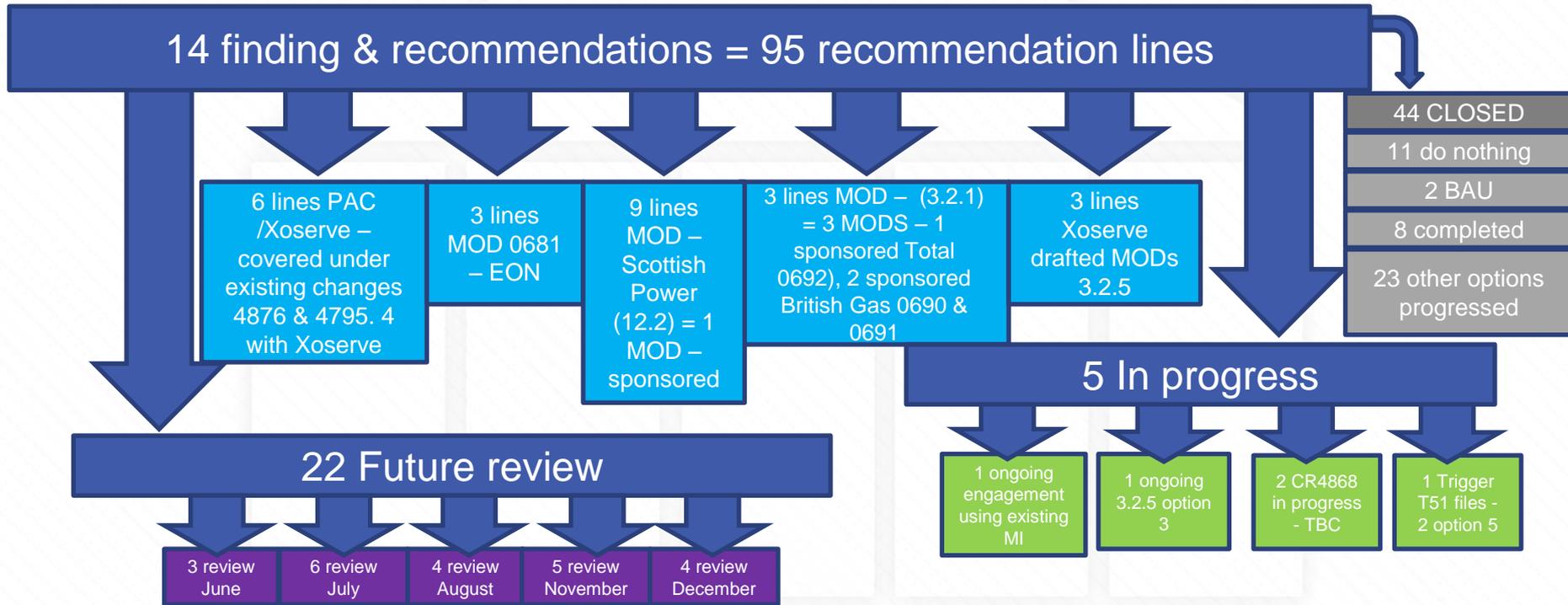
Advanced Analytics



Governance

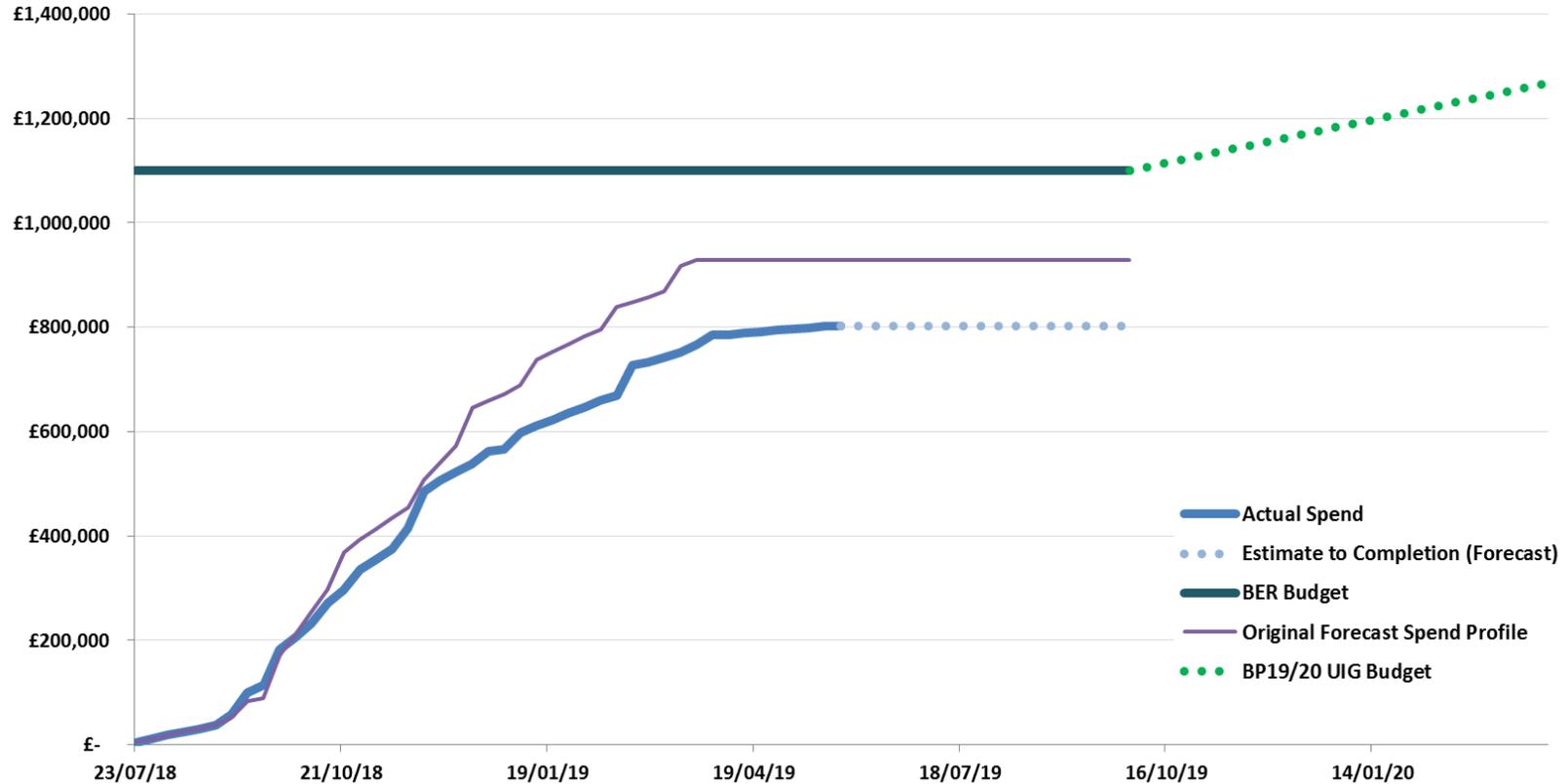


Recommendations - where we are



All future reviews include non task force related changes that are pending, defects with planned resolution dates, other options which may be considered if engagement/PAC reporting does not deliver results. (PAC can look to deliver these when PAC reporting is updated).

Overview Of Task Force Funding



Machine Learning Next Steps - Overview

- The UIG Task Force and the UIG Analytics Partner have demonstrated that using advanced Neural Network Machine Learning models can reduce Base Level UIG by up to 70% and Volatility by up to 30%
 - See Investigation Item [13.2.6: NDM Algorithm - Advanced Machine Learning](#)
- We have tested this on EUC 01 for 12 LDZs
- There are options for where we can go next with this line of investigation
 - We will Discuss these with DESC on 10th June 2019.

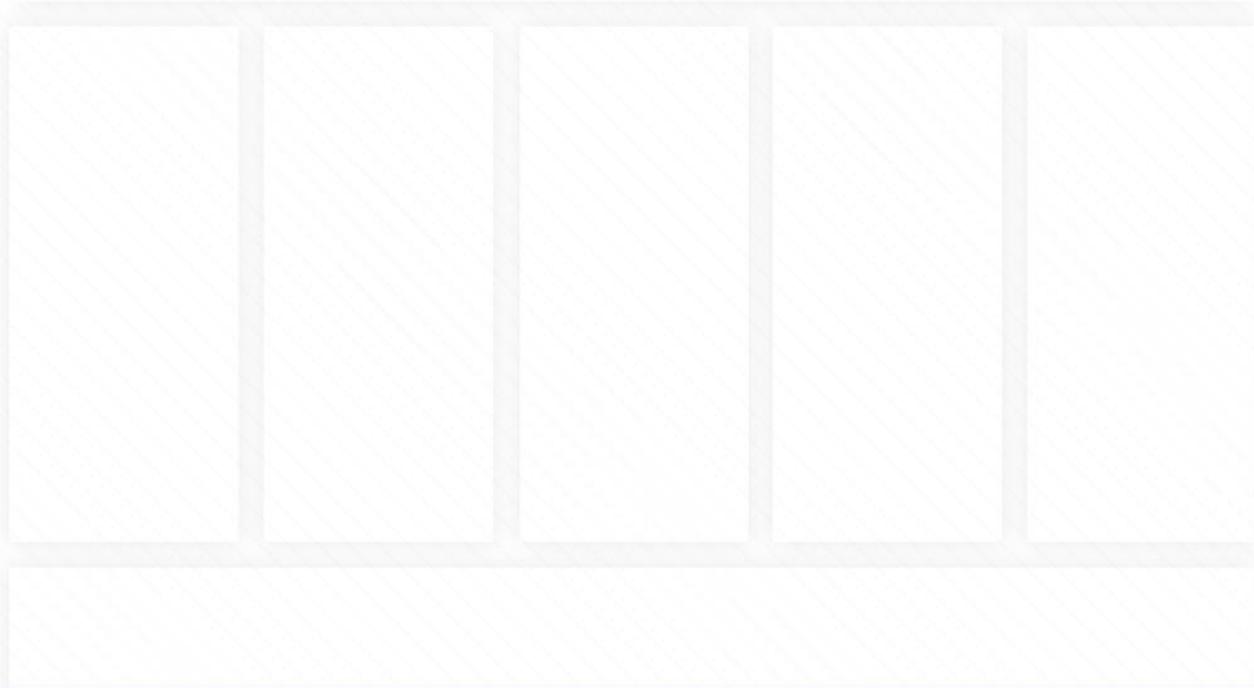
Options for Next Steps

- Xoserve will host a Machine Learning Discovery Day to discuss the benefits, considerations and implementation challenges of using Machine Learning algorithms to allocate NDM Energy
- We are currently costing these options with our Analytics Partner
 - Rerunning the Neural Network performance comparison against the existing NDM algorithm for more recent Gas Days (propose 01/06/2018 – 31/05/2019)
 - Construct an API / Sandbox environment for Shippers to test Neural Network predictions using their own data
 - Develop Neural Network models for EUCs 2-8 to demonstrate whether the benefit can be seen across the whole market.

Task Force Next Steps

- Use the UNC UIG Work Group as the mechanism to **share progress** on all recommendations where options residing with Xoserve.
- Provide updates to the “**Recommendation Tracker**” in line with UNC UIG Work Group timescales.
- **Continue analysis** on existing investigation lines, identify any **new** investigation lines & publish investigation tracker updates as required.
- **Publish any new findings/recommendations** drawn from investigation lines which are currently “work in progress” when completed.
- **Supporting MOD development** to progress all live and draft modifications.
- **Develop** complex machine learning options with industry

13. CSS Update



Switching Programme

Xoserve detailed design

We are now in our detailed design phase, this phase includes internal and external work groups. Our first workgroup was held on the 9th May our second workshop was held this Monday 10th June.

The dates and topics for the planned programme of workshops is detailed on a later slide for your information. We would welcome your attendance and input into the external workshops as we work towards our final solutions.

CSS design, build and test phase

The programme is in it's DBT phase.

The majority of DCC's procurement activities has completed with the following roles now procured:

Central registration and address service provider – Landmark

Service Integrator – Netcompany

Core systems assurance – Expleo

Service management provision – TBC (procurement still ongoing)

Switching Programme

CSS physical design

Landmark are working individually with existing service providers (ESP's) to work towards the interface physical design. The interface physical design has a target milestone date of the 15th July for the baseline and publication. Approval will be sought via the appropriate governance groups.

Switching Programme Workgroups

Xoserve are actively engaged with the switching programme. We have representatives on each of the Ofgem workgroups that have currently been stood up, each of these workgroups meeting monthly and include:

- Data working group
- Testing working group
- Security working group
- Design working group
- REC work group

Details of these workgroup can be found on Ofgems dedicated switching web page

Switching Programme

In addition to these Ofgem working groups the SI are standing up work groups that will reside underneath the Ofgem work groups. These workgroups will be working through the lower level detail required for the various areas, it is envisaged these will also meet monthly. The sub groups identified to be stood up so far include:

- Sub data work group
- Sub testing work group

There will be further Ofgem and SI workgroups stood up as the programme matures. One known workgroup is transition and cutover.

Governance

DCC programme governance framework has been established with the SI requesting weekly report from each ESP. The information we provide is being used to track progress of the switching programme as well as individual ESP consequential activities.

Xoserve are currently tracking at an amber status, this is due to the delay in the appointment of the CSS Provider as we have a key dependency on the CSSP's early physical design being shared to avoid the risk of re-work for our design activities. We are currently tracking Green for our plan, however are proceeding at risk should the key milestone of the physical design being finalised and approved is not met.

Ofgem Switching Programme – Xoserve Consequential Detailed Design Workgroups

| DSG Meeting | | Provisional Agenda |
|-------------|------------|-------------------------------|
| 1 | 13/05/2019 | API |
| | | Nomination Enquiry |
| | | Nomination (RRN) |
| | | Address Updates |
| | | MAM Updates |
| | | MAP Updates |
| 2 | 10/06/2019 | Settlement Data Submission |
| | | Stakeholder Management |
| | | Switching Domain Data Updates |
| | | RGMA |
| | | SPA Updates |

| DSG Meeting | | Provisional Agenda |
|-------------|------------|----------------------|
| 3 | 26/06/2019 | Meter Point Creation |
| | | Gemini |
| | | Reporting |
| 4 | 11/07/2019 | Supplier Switching |
| | | Change of Shipper |
| 5 | 25/07/2019 | Opening Reads |
| | | Shipper Withdrawals |
| | | Forced Registration |
| 6 | 16/08/2019 | Bulk Transfers |
| | | Data Enquiry |
| 7 | 04/09/2019 | File Formats & APIs |
| | | <i>Contingency</i> |
| 8 | 17/09/2019 | <i>Contingency</i> |

Approval request for ChMC

- During our detailed design phase one of the artefacts that will be produced will be change packs. I would like to request ChMC approval for the following:
 - CSSC change packs to be issued separately from the BAU change packs
 - I want to be able to deliver you our design solutions as quickly as possible but ensuring you have the appropriate time along with BAU change packs to review and provide your representations. We have potential options:
 - In line with BAU schedule
 - In line with BAU schedule but giving CSS an increased response time for representation
 - CSSC change packs at fortnightly increments in between BAU packs
 - The consequential change programme has it's own XRN (master), this will be retained. Each CSSC change pack will be given an individual XRN's on issue, this will link back to the master
 - Each CSSC change pack will be titled as CSSC to ensure these are easily identifiable for you as they are released

14. DSC Change Committee Summary – 12th June '19

4 New change proposals raised – 3 approved, 1 withdrawn

- **XRN4894 Shipperless and Unregistered Pre-Payment SPs Reconciliation.**
 - Proposer has withdrawn the change until SPAA actions have been implemented.
- **XRN4941 Auto Updates to Meter Frequency.**
 - Approved to proceed to DSG (Delivery Sub Group) to look at solution in conjunction with the MOD being developed in the UIG workgroup.
- **XRN4946 Reporting on Installed Meters with Conversion Capability.**
 - Approved to proceed to DSG
- **XRN4955 Amendment of MDD PSR Needs Codes and Needs Code Descriptions.**
 - Approved to proceed to DSG.

DSC Change Committee Summary – 12th June '19

2 Solution/Delivery Option approvals, both approved.

- **XRN4713 Actual Read following estimated transfer read calculating AQ of 1.**
 - Approved to be delivered by the Data Office.

- **XRN4871 Modification 0655 – Changes to Ratchet Regime (Part A).**
 - Approved to be delivered in Minor Release Drop 5

- **Implementation plan** – approved

DSC Change Committee Summary – 12th June '19

Change Documents – 3 approvals

- **BER for XRN4706 – GCS Fusion Testing Support.** Approved.
- **CCR for XRN4833 Birst Delivery.** Approved.
- **BER for XRN4866 – UIG Recommendation – Nov 19 Implementation.** Approved.

Release Updates:

- **Minor Release Drop 4** – On track
- **June 2019 release** – On track
- **XRN4665 – Creation of new end user categories** – On track
- **November 2019 Release** – On track
- **Minor Release Drop 5** - Scope not approved. Both Scope and BER to be approved at July ChMC meeting.
- **June 2020 release** – Scope not approved

DSC Change Committee Summary – 12th June'19

Standard agenda item updates:

- CSS consequential change update: High Level Design BRDs out for review within April's Change Pack
- XRN4695 UIG Taskforce update
- Finance and Budget update
- Bubbling under report (MODs)
- Plan on a page:
 - Gemini
 - UK link changes
 - Prioritisation of Data Office changes

DSC Change Committee Summary – 12th June '19

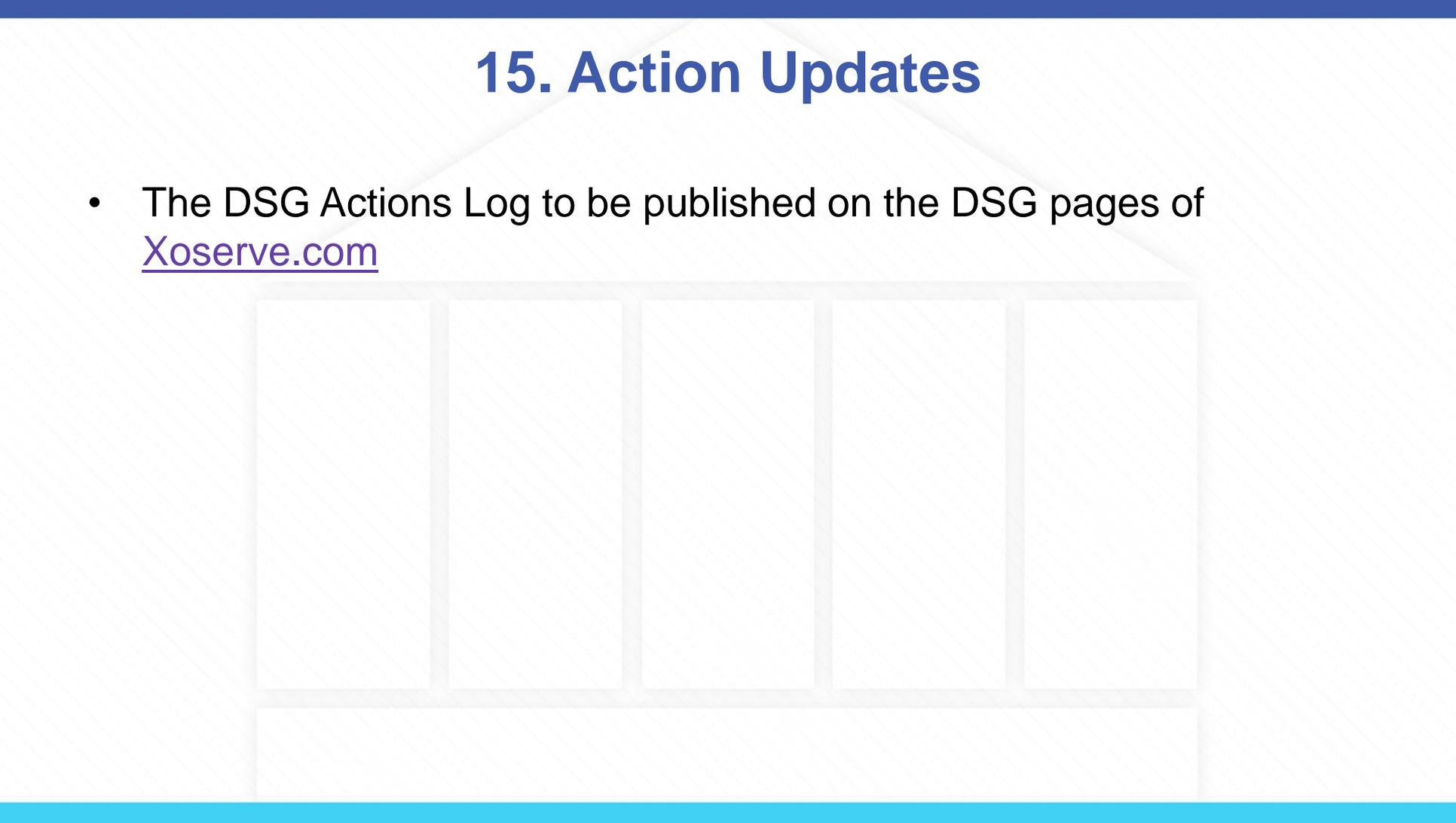
AOB items:

All AOB Documents can be found here: <https://www.gasgovernance.co.uk/dsc-change/120619>

- IX Refresh Update*
- DSG Attendance
- Revised Change Proposal Template v6.2 for approval
- DSC Request for Data Process
- XRN4789 – Shipper Pack Analysis Update
- KVI Change Management Survey Results

15. Action Updates

- The DSG Actions Log to be published on the DSG pages of [Xoserve.com](https://www.xoserve.com)



| | | | | |
|--|--|--|--|--|
| | | | | |
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16. AOB

- 16a. Revised Change Proposal Template
- 16b. DSG Attendance



16. REVISED CHANGE PROPOSAL TEMPLATE

Change proposal template – updates (1 of 2)

Please note there are no changes anticipated to the Change Proposal creation template on Xoserve.com

Changes proposed to the full Change proposal template:

- **Add Business Owner for Xoserve purposes only (Section A1)**
 - Who is responsible for delivery of DSC Service Line(s) impacted by this change
- **Add in option for 'All' for Customer classes in Impacted Parties (Section A2)**
 - To enable proposer to select 'All' customers rather than tick every box to do so
- **Add in Justification for Impacted customer classes (Section A2)**
 - To provide detail as to why the change proposer believes these are the customer classes impacted by the change
- **DSC Service line and UK Link Manual assessment – at CP Creation and at solution review stage (Sections A6 & D)**
 - Ensure Service Line and UK Link Manual impacts are considered for all changes in respect of the DSC Contract.
 - In DSC Change Management procedures the completion of this section is responsibility of Change proposer (Section 4.6.4) not Xoserve – should the template be changed to reflect this?
- **Funding for on-going service delivery to be included (Section A6)**
 - Need to consider on-going funding for delivery of the change and what Budget Amendments are needed. Occasionally Change funding classes may also differ to the on-going costs

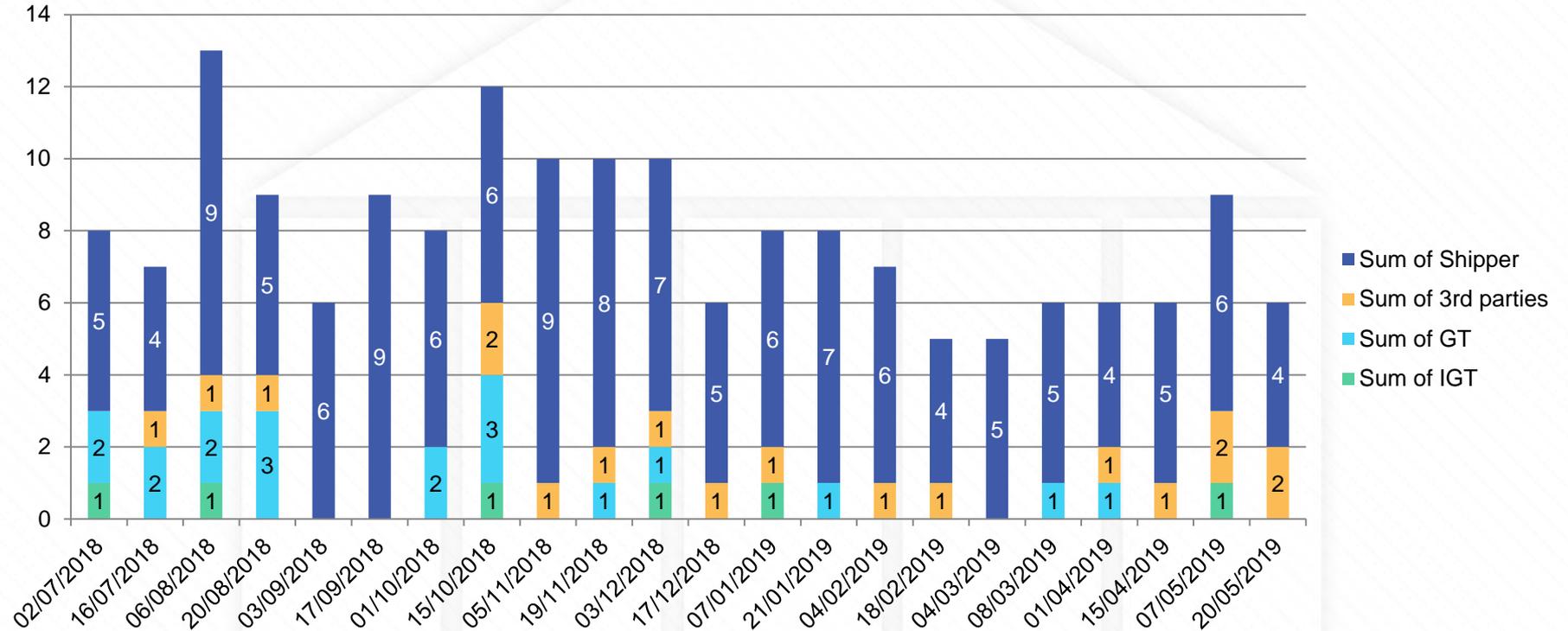
Change proposal template – updates (2 of 2)

- **Initial review period – Amend to 10, 15, 20 and other (Sections A3 & A7)**
 - Adding 15 Days as an additional option to enable the change to return to the next ChMC
- **Change description to be renamed as Problem statement (Section A3)**
 - To detail what the current problem is that this change has been raised to solve
 - Following review at DSC Governance Review Group Change Description Text box has re-added in after Problem Statement
- **Remove 'X' from Release (Sections A3 & A8)**
 - Major Releases are named as Feb, June and Nov for each year. Release X is no longer needed
- **Remove Section A5 as duplicated by Section C**
- **Wording simplified in Questions 3 & 4 ChMC Industry consultation (Section B1)**
 - To reflect the new on-line Change Pack process
- **NB: Other changes may be needed to cater for Requests for Data and Urgent Change proposals.**



DSG Attendance

Number of Representatives per Customer segment attending DSG meetings



Action 0504 - DSG Schedule for future meetings.

| |
|-----------|
| 17-Jun-19 |
| 01-Jul-19 |
| 15-Jul-19 |
| 05-Aug-19 |
| 19-Aug-19 |
| 02-Sep-19 |
| 16-Sep-19 |
| 07-Oct-19 |
| 21-Oct-19 |
| 04-Nov-19 |
| 18-Nov-19 |
| 02-Dec-19 |
| 16-Dec-19 |

A Change Pack will go out in July advising of the Change Management Committee meeting, Delivery Sub Group meeting and Bank Holiday dates for 2020.