



UIG Task Force Progress Report

ChMC 8th August 2018

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 the current status of the UIG Task Force, mobilisation activities & progress on activities carried out to date.

UIG Task Force: dashboard

Overall RAG status:*



Executive summary

Good progress has been made to mobilise the internal task force following the approval of funding in early July. Key internal resource have been seconded into the programme from our operations team and the new data office. The contract with Analytical Consultants is undergoing final review and is on track to be signed in the second week of August.

Time	G
Cost	G
Benefit	N/A

Current focus areas:

- Programme mobilisation – currently defining the scope of work and baselining delivery plans for all workstreams, with a programme team of six key internal subject matter experts already in place
- Recruitment – recruitment underway for backfill and supplementary resource
- Data analytics partner – contract in the final stages of internal review; on track to begin work on 3rd September
- Data management – activity currently underway to gather and secure data in advance of analytics sprints
- Defining benefits – working on how to define and quantify benefits across Issue Analysis and Advanced Analytics work streams, to feed into workshops with Analytical Consultants

Key risks / issues for attention this month:

- There is a risk of delay to filling backfill roles due to the specialist nature of the roles. Recruitment has been prioritised with a mitigation of temporarily absorbing backfill into existing business resources in the event of delays.

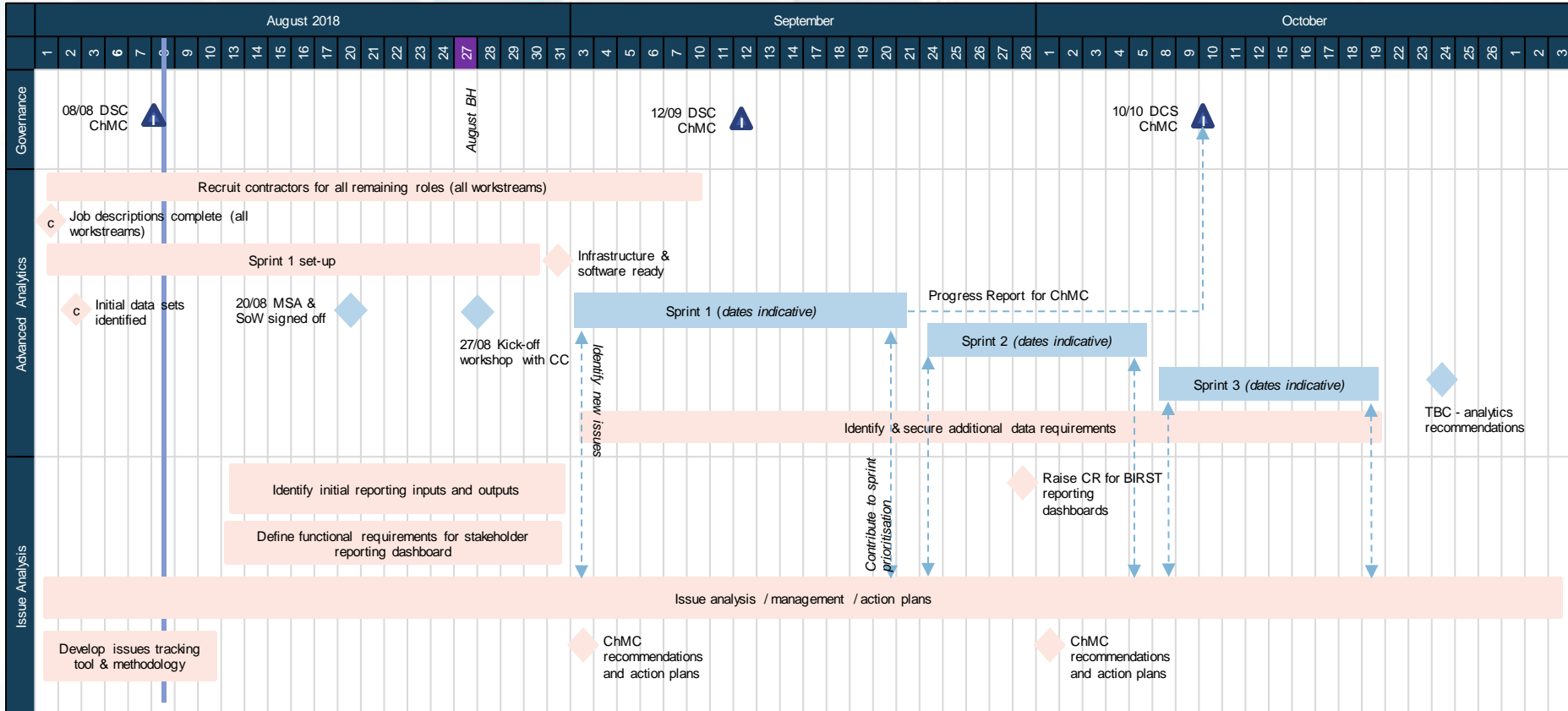
*R = programme objectives at risk and no agreed plan to resolve;

A = programme objectives at risk, with agreed plan in place to resolve;

G = on track.

Plan on a page

◆ Delivery team milestone
 ◆ Analytical Consultants milestone
 ▲ DSC ChMC governance



**Sprint timelines are estimated TBC with Consultants

Advanced Analytics: current work breakdown

Initiative	Activity	Timeframe	RAG	Comments
Recruitment	<ul style="list-style-type: none"> Recruit and on-board backfill and supplementary analytics resource – <i>in progress, 5 expected by 10th September, 2 expected by 25th September</i> 	Present – early September	G	<ul style="list-style-type: none"> The recruitment is done in phases to align with the high level plan
Contracting	<ul style="list-style-type: none"> Sign off Master Services Agreement (MSA) and Statement of Work (SoW) with Analytical Consultants for the first 3 Sprints – <i>in progress, expected 20th August</i> 	Present – 31st August	G	
Infrastructure & software	<ul style="list-style-type: none"> Data transfer mechanism identified - <i>complete</i> Data Transfer mechanism tested – <i>expected 10th August</i> Software required for sprint management agreed and work area tested - <i>20th August</i> 	Present – 31st August	G	
Data preparation	<ul style="list-style-type: none"> Identify initial key data sets - <i>complete</i> Create, anonymise and test data – <i>in progress, expected 20th August</i> 	Present – 31st August	G	<ul style="list-style-type: none"> There will be additional data requirements as part of the Sprint phases which we will address then
Sprint 1 set-up	<ul style="list-style-type: none"> Hold kick-off workshop between Xoserve and Analytical Consultants to agree direction of analysis / meet and greet – <i>expected 27th August</i> Develop sprint process and success criteria – <i>20th August</i> 	Present – 31st August	G	
Sprint 1 delivery**	<ul style="list-style-type: none"> Run technical workshops with Analytical Consultants to convey the underlying data structure, problem statement and content and agree prioritisation of analysis – <i>Estimated 3rd September</i> 	3rd September to 21st September	Not yet started	<ul style="list-style-type: none"> Post Sprint 1, the programme team will report back at the following CMC meeting for a discussion on hypotheses, early-state and priorities for Sprint 2

**Sprint 1 timelines are estimated based on dependencies in mobilisation phase

Issue Analysis: current work breakdown

Initiative	Activity	Timeframe	RAG	Comments
Recruitment	<ul style="list-style-type: none"> Recruit and on-board backfill and supplementary resources – <i>in progress, expected 10th September</i> 	Present – early September	G	
Issue tracking	<ul style="list-style-type: none"> Develop a tracking tool and methodology for all quantifiable issues, actions taken, prioritisation, and issue dependencies – <i>31th August</i> 	Present – 31 th August	G	
Reporting & BI	<ul style="list-style-type: none"> Define the functional requirements for the Stakeholder reporting dashboards - <i>31st August</i> Identify initial reporting inputs and outputs - <i>31st August</i> Raise change request for BIRST reporting dashboards – <i>28th September</i> 	Present – 30 th September	G	
Root causes analysis	<ul style="list-style-type: none"> Review and document all existing UIG data processes – <i>31st August</i> Carry out literature review to identify full set of potential causes and investigations to-date – <i>31st August</i> Accelerate current investigative/corrective initiatives, as per following slide: <ul style="list-style-type: none"> Identified all Class 1 sites that are not submitting daily reads – <i>complete</i> Carry out investigation with stakeholders into lack of read submission – <i>in progress, expected 31st August</i> Obtain Schedule 33 Theft data from Electralink, compare to CMS records – <i>31st August (dependency on agreement of SPAA Exec Committee)</i> Review data issues and defects relating to AQs – <i>31st August</i> 	Present – 31 st August	G	
Customer engagement	<ul style="list-style-type: none"> Develop and publish UIG educational material to provide additional support to industry parties – <i>15th August</i> 	Present – 15 th August	G	

Issue Analysis: high level approach



Activities

- Identify and qualify issues for investigation
- Assess materiality and impact of issues

Inputs

- Existing known issues
- Review of AUG Statement
- Review of Settlement Risk Register and Model
- Outputs from Advanced Analytics work stream
- End to end process review

Activities

- Carry out root cause analysis
- Ascertain scope/scale of issue
- Quantify impacts in daily/annual kWh terms
- Develop reporting/monitoring
- Develop Stakeholder reports: impact/contribution

Activities

- Develop recommendations & proposed action plans for resolution of issues
- Identify most appropriate forum/ route for action e.g.
 - Data issue
 - Industry performance
 - CDSP systems
 - Industry structure, i.e. UNC Mod route

Activities

- Deliver action plans with industry
- Lead on issues that Xoserve are able to influence
- Provide relevant support to industry in following through on actions plans

Early progress on initial issues

DM energy analysis & investigations

- Identified all Class 1 sites that are missing daily reads – *complete*

DM energy analysis & investigations

- Carry out investigation with stakeholders read submission – in progress, expected 31st August

Theft of Gas

- Obtain Schedule 33 Theft data from Electralink, compare to CMS records – 31st August

AQ

- Review data issues and defects relating to AQs– 31st August

WAR Bands & EUC

- Monitor take-up of WAR Band EUC
- Support UNC Mod 652

Issues to be quantified and prioritised:

UIG Sharing	LDZ Measurement Errors
Unregistered / Shipperless	Interface Files / Batch Processes
NDM Nomination Accuracy	Estimates
CSEP – LDZ Mapping	UNC Obligations