



# **Mod 0651 Solution Option overview**

Distribution Workgroup 28.06.18

# Purpose of providing this overview to 0651WG?

We believe this overview supplements understanding of the Solution proposed in Mod 0651 and is beneficial for parties to;

- Recognise that assumptions were applied when impact assessing solution options
- Acknowledge matters requiring further clarification will need to be addressed during detailed design activities
- Have awareness of areas that have been identified as needing to be considered from a consequential change perspective
- Understand that this option proposes to re-use of existing functionality and as a result;
  - may require scope of functionality to change in order to meet RAASP requirements (example of Consumption Adjustment treatment and validations) and/or;
  - may find exclusions at scenario level (i.e. when we discuss detailed design functionality)
- Appreciate that management of exceptions and any fall out during the Data Cleansing exercise will need to be considered in detail

# Option 1 – Timestamp Asset data - financial adjustment via CMS

- Asset data corrected via automated process (i.e. file submission)
- Applicable to current Asset only
- Data will be 'timestamped' - notifying date change was applied to system
- Data will be presented with correct Effective Dates to relevant organisations
  - e.g. future file flows, Data Enquiry etc.
- Start & End Reads to be provided by Shipper
- Continue to utilise CMS for Consumption Adjustments

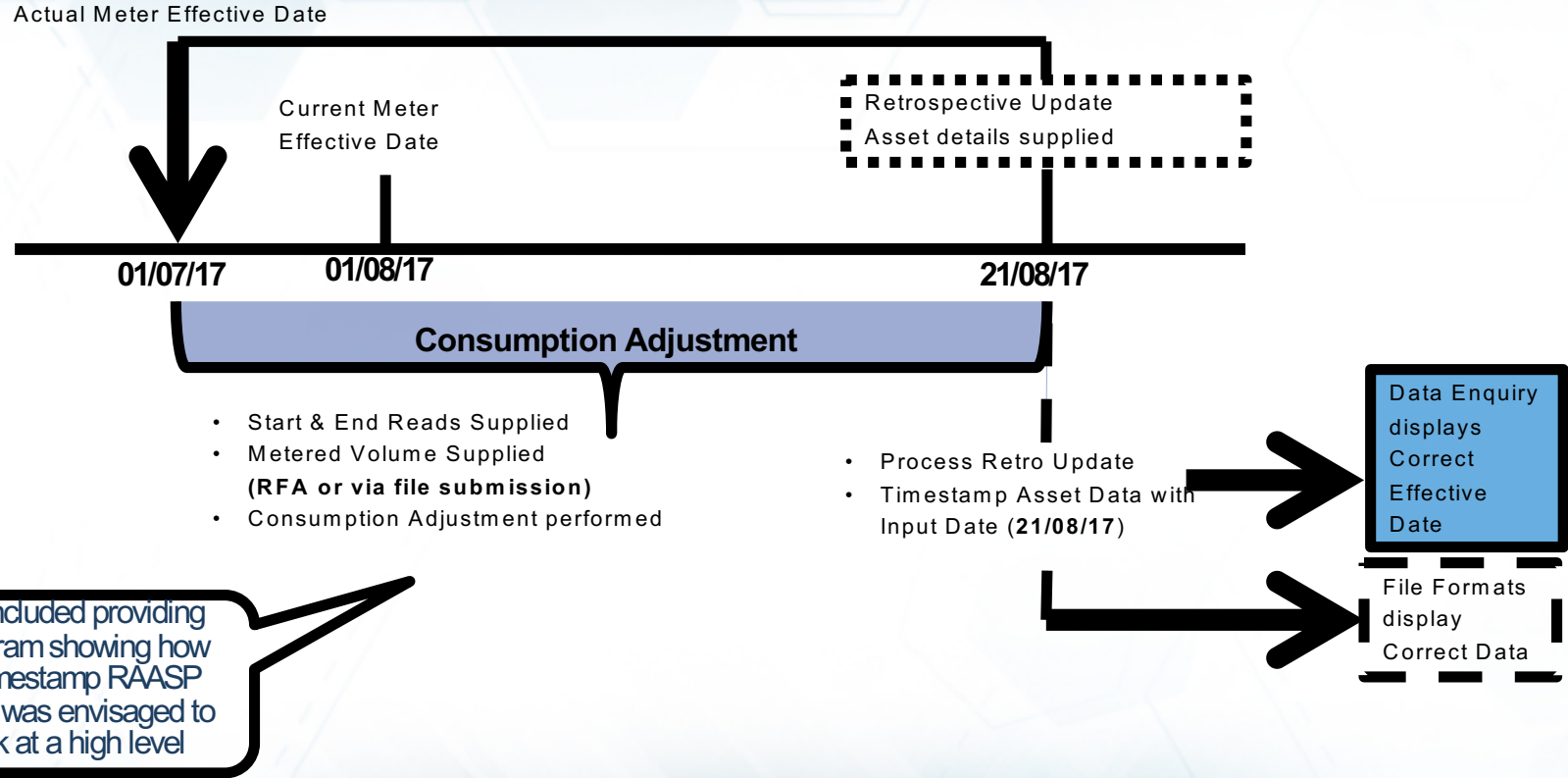


A Timestamp RAASP Option and its key features were originally presented to industry at MOD 0624R workgroup on **21.08.18**

## **Alternate – Option 1b – Consumption Adjustment via file submission**

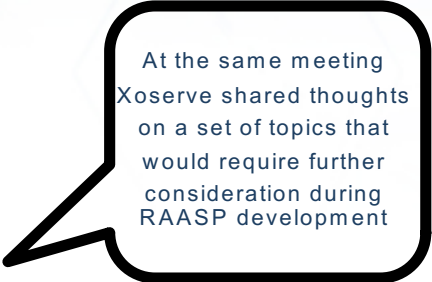
- Shipper provides Metered Volume as part of file submission for whole period
- Xoserve process Consumption Adjustment
- Financial Adjustments based on volume provided

# Diagram of Option 1



# Questions for consideration

- Should Retrospective Updates apply to;
  - Class types
  - Meter configuration types (e.g. Datalogger, Corrector)
  - Unique Sites
- Period retrospective amendment applies;
  - Treatment of Small Supply Points spanning pre-Nexus
  - Treatment of iGT Supply Points spanning pre-Nexus
- Other principles;
  - Rules regarding multiple Retro Updates – Limited to one for the relevant period



At the same meeting  
Xoserve shared thoughts  
on a set of topics that  
would require further  
consideration during  
RAASP development

# Key Solution Options

At MOD 0624R Workgroup on 24.10.18  
a final set of RAASP Solution Options that had been  
impact assessed by Xoserve was shared.

## Option-1

- Update latest device post latest billing related activity, but actual effective date is recorded in system
- Replacement reads via UMR will be rejected, in circumstances where no. of dials and imperial/metric changes
- Consumption Adjustment between the read period will be used to correct financial position

## Option-2

- Update latest device from the current shipper transfer date or asset install date (whichever is later), but actual effective date is recorded in system
- Consumption Adjustment between the two read periods will be used to create reconciliation variances to correct financial position

## Option-3

- Original RAASP option with actual asset details reflected in system across all classes with exception of class change period

A hybrid  
Data Cleansing / Timestamp  
Option was first shared  
at this Workgroup

## Option-4

- Generate Shipper portfolio file, requesting data items from Shippers (via web)
- Carry out differential analysis between UKLINK & Shippers information and correct the data as per option-1 – Minimum viable product to resolve majority of issues
- Build an enduring solution option-1 with simplified file structure

## Option-5

- Remain with Business as Usual solution

# Option 1 – Timestamp Asset data

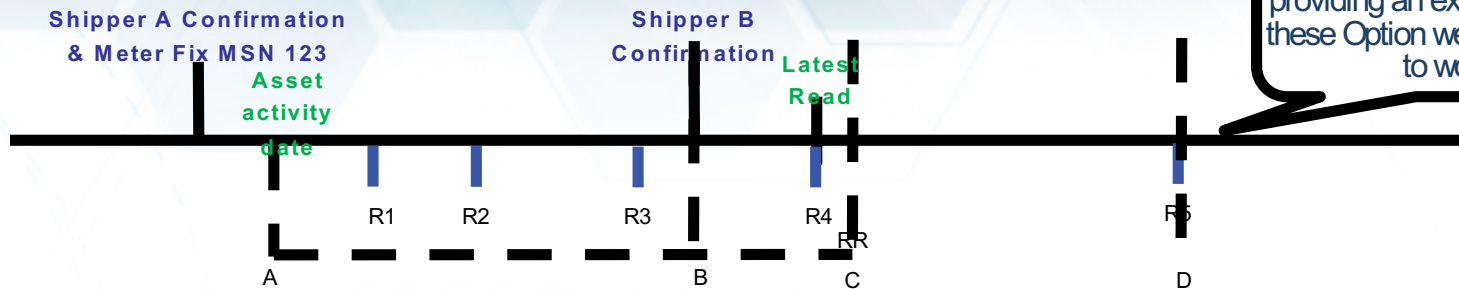
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- Asset data corrected via automated process (i.e. file submission)
- Applicable to current Asset only
- Data will be 'timestamped' - notifying date change was applied to system
- Data will be presented with correct Effective Dates to relevant organisations
  - e.g. future file flows, Data Enquiry etc.
- Start & End Reads to be provided by Shipper
- Shipper provides Metered Volume as part of file submission for whole period
- Xoserve process Consumption Adjustment
- Financial Adjustments based on volume provided
- CMS can continue to be used to perform Consumption Adjustment if necessary

Options were expanded up on to provide more clarity about the variation in functionality. Option 1 is Detailed above



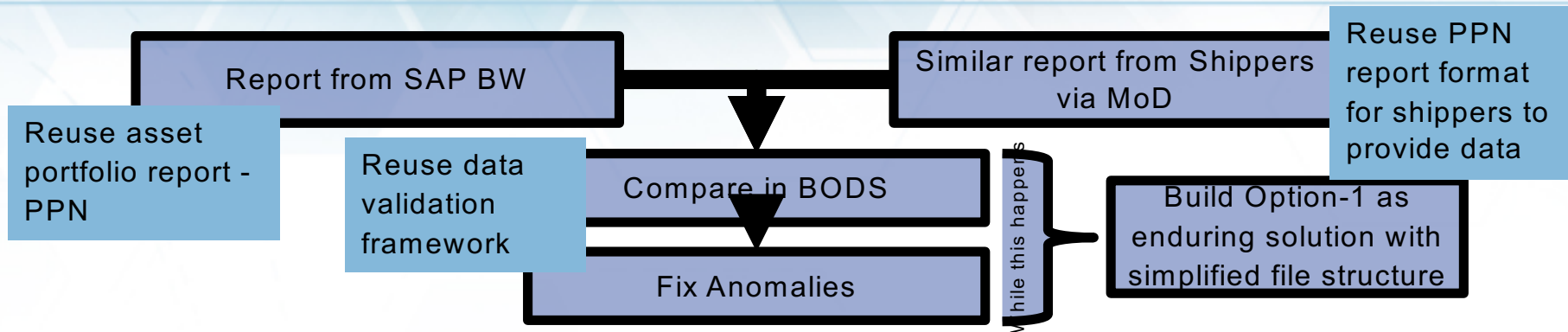
# Option 1: Solution at high Level



- Retro update submitted with an effective date, but in the system the asset properties are updated only post the latest activity that triggered amendment billing (like meter read, class change, shipper transfer etc.) (Point C in the above diagram).
- The actual effective date of the update will be recorded within the system (Point A)
- Any consumption position prior to Point C will have to be amended via consumption adjustment. i.e. From point B to C by the current shipper and A to B by the previous shipper.
- Any new read received post the retro activity will only go back the retro update date (Point C) for reconciliation



# Option 4: Solution at high Level



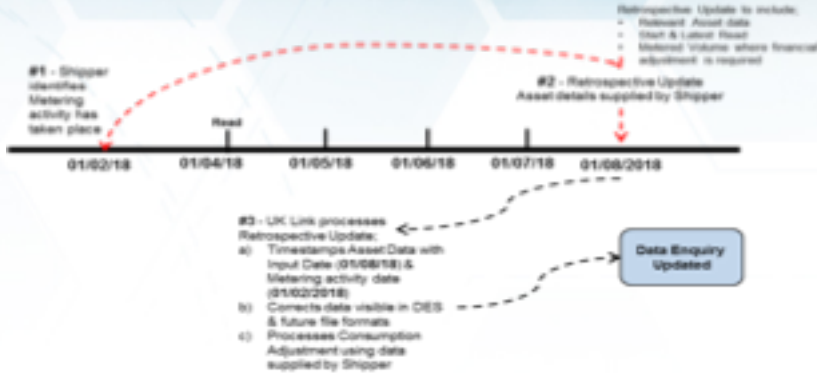
- Shippers to provide the asset data as maintained in their systems in PPN format. This will be loaded into BoDS system
- Generate similar report from SAP BW for the similar attributes and load in BoDS
- Compare the data held in SAP IS-U and shippers system
- Highlight the anomalies and correct them. This needs to be mandated via MoD and same process as of data validation/correction to follow
- This is expected to correct majority of data issues as one time activity
- Whilst this is going on, enduring option-1 will be developed with simplified file format. At a high level, file format should be single hierarchy with inputs as MPRN, Effective date, attribute, updated value. This however needs to be validated based on detailed discussions with industry and potential design.

# Assumptions applied to proposed options and requiring further industry clarification

- Retrospective Updates will not be permitted for Class Changes
- Retrospective Update Notifications not sent to Proposing Shipper during transfer of ownership
- Retrospective Update Notifications not sent to any previously Registered Shipper(s)
- Volumes of Consumption Adjustments need to be understood
- Impact of Cleansing and applying Adjustments needs to be considered
  - Should Adjustments be phased / volumes within a month
  - Consequential impact on Unidentified Gas
- Bulk data cleanse activity should see volumes of Retrospective Updates reduce significantly
  - Performance testing scope for Option 4 would be based on reduced volumes

At this Workgroup Xoserve shared assumptions that had been applied to its impact assessment of RAASP Solution Options, along with some topics that required further consideration with the industry

# Options Overview (taken from Mod 0651 V4.0)



Proposed to consider	Where this option is proposed	Original DES Submission	Proposed Asset Data	Additional Comments
1	All data updates will be timestamped correctly. For the network operators to date, network operators can provide multiple 31 day updates for a submission	✓	✓	
2	Not updated to date. Supply Meter Point data on assets can only be effective to the date point from the 01/08/2018	✓	✓	Asset data for the whole period from the start of the period to the end of the period will be provided in a single submission. The data will be provided in a single submission. The data will be provided in a single submission.
3	Only the current Shipper can update Supply Meter Point data on assets, even in a previous Shipper submission	✓	✓	
4	Financial adjustments will be automatically processed for the current Shipper where an asset or Supply Meter Point updates from a previous submission. The data will be provided in a single submission. The data will be provided in a single submission.	✓	✓	Changes to the data will be provided in a single submission. The data will be provided in a single submission. The data will be provided in a single submission.
5	Where the metering data is updated via the DES, the data will be provided in a single submission. The data will be provided in a single submission.	✓	✓	
6	Financial adjustments will be automatically processed for the current Shipper where an asset or Supply Meter Point updates from a previous submission. The data will be provided in a single submission. The data will be provided in a single submission.	✓	✓	
7	Asset data can only be provided by the Shipper when submitted to the DES. The data will be provided in a single submission. The data will be provided in a single submission.	✓	✓	
8	Financial adjustments will be automatically processed for the current Shipper where an asset or Supply Meter Point updates from a previous submission. The data will be provided in a single submission. The data will be provided in a single submission.	✓	✓	
9	Asset data can only be provided by the Shipper when submitted to the DES. The data will be provided in a single submission. The data will be provided in a single submission.	✓	✓	

### Option 4 – Timestamp Asset data + Data Cleansing Exercise

- Asset data corrected via automated process (i.e. file submission)
- Applicable to current Asset only
- Data will be 'timestamped' - notifying the date retrospective update was applied to system
- Data will be presented with correct Effective Dates to relevant organisations e.g. file flows, Data Enquiry etc
- Start & End Reads to be provided by Shipper
- Shipper provides Metered Volume as part of file submission for whole period
- Xoserve process Consumption Adjustment
- Financial Adjustments based on volume provided

#### Data Cleansing Exercise

- Shippers to provide asset data as maintained within their systems in an agreed format
- Xoserve to compare the data contained in both sources (Shipper dataset and UK Link)
- Highlight any anomalies and cleanse, applying the same process as was undertaken for data validation during Project Nexus
- Shipper able to provide Metered Volume within agreed format for relevant retrospective update period
- Xoserve process Consumption Adjustment and apply calculate charges

The key features, principles and high level examples of Solution Option 4 (Data Cleansing / Timestamp) have been included in Mod 0651 for information purposes by the Proposer