Extraordinary DSG
CSS Consequential Change

7th February 2019

Agenda

- Actions from previous meeting
- Topics for finalisation:
  - High level design option feedback (including Gemini)
- High level design options:
  - SPA Updates
  - RGMA
  - Meter Sector Code
  - Meter Point Creation
  - Meter Point Status
- New Topic for discussion:
  - Data Enquiry
- 630 Workgroup Update
  - Meter Readings at Transfer
- Data Cleansing Update

Topics for Finalisation

Nomination Enquiry - Change Overview

Nomination Enquiry

UK Link will still allow for a proposing shipper to submit a Nomination Enquiry Request (NOM - S47) independent to a CSS switch to enable them to obtain the current values of Supply Meter Point.

Solution Options

1	Nomination Enquiry will continue As Is
2	Nomination Enquiry via new API service and the existing file
3	Nomination Enquiry via a new API only

Change of Supplier - Change Overview

Supplier Switching

Currently any changes to the supplier are received via GEA or Reconfirmation process by shippers to UK Link. Post CSS implementation, the supplier switching process will be mastered by CSS. This will include below requests from CSS:

- **Change of Supplier with same shipper**
- **Change of Supplier with different shipper**

UK Link will receive notifications from the CSS as part of 'Registration Sync' message to advise of the current status of Supplier switches once they have been successfully 'Validated', 'Confirmed' and 'Secured'. However, on receipt of Registration sync from the CSS, UK Link is expected to perform high level validations (e.g. MPRN, Org ID etc.) and notify response to CSS in case of failures/warnings as new interface. UK Link will record the incoming Shipper and Supplier details and is expected to notify.

- Gaining shipper following the receipt of validated (**VL**) sync message (Current world equivalent of CFR)
- Gaining and Losing shippers(Ceased Responsibility) following receipt of Secured (**SC**) sync (Current world equivalent TRF, MRI & PAC)

Solution Options

Registration Sync for VL Status

1a	Minimum changes to existing CFR File
2a	New interface for Gaining shipper notification

Registration Sync for SC Status

1b	Minimum changes to existing TRF, MRI & PAC Files
2b	New Interface to combine existing files and remove redundant information

Change of Shipper - Change Overview

Change of Shipper Only

Currently, shipper submits the shipper transfer request via Confirmation process to UK Link whereas post CSS implementation, CSS will initiate Change of Shipper Event Sync to UK Link with no change in supplier details and below changes will be considered:

- Where the energy supplier makes a change to the Shipper associated to their registration via the CSS process, then a synchronization message will be received via 'Registration Sync' by UK Link to update this data
- This is an update/event for CSS and hence, validated, confirmed and secured sync messages will not be received from CSS
- On receipt of Registration sync from the CSS, UK Link is expected to perform high level validations (e.g.. MPRN, Org ID etc.) and notify response to CSS in case of failures/warnings as new interface
- UK Link will treat this as a existing shipper transfer process and expected to notify gaining shipper on receipt and after the gate closure whereas losing shipper will be notified of ceased responsibility.
- CSS can cancel a future dated change of shipper request with a synchronization message to UK Link notifying it of the cancellation.

Solution Options:

Notifications on Receipt of Change of Shipper Event Sync

1a	Minimum changes to existing CFR File
2a	New interface for Gaining shipper notification

Notifications post Gate Closure on D-1

1b	Minimum changes to existing TRF, MRI & PAC Files
2b	New Interface to combine existing files and remove redundant information

Gemini - Change Overview

CSS Consequential – Gemini

Currently Gemini receives all the Portfolio updates on D-2 from SAP ISU on a daily basis via MDS/AAQ files. As part of this change, Gemini will receive the changes for switching data effective on D day on D-1 evening post CSS gate closure.

Solution Options

1	Gemini to receive Portfolio updates on D-2 and D-1 for effective D day
2	Gemini to receive Portfolio updates on D-1 for effective D day

High Level System Solution Impact Assessments

Topic Areas

- Overall Assumptions
- Solution options for CSSC Category 2 requirements (Excluding Gemini, DES and BW impacts)
  - RMP Status
  - Market Sector Code
  - Meter Point Creation
  - RGMA
  - SMP Updates

Overall Assumptions

- For high level design all interactions between CSS Provider and UK Link will be via Marketflow through IX and EFT
- All NTS sites are out of scope for CSS and hence, will continue to operate as is (BAU)
- Batch schedules need to be revisited as part of detail design to accommodate the faster switching timelines
- Shipper File formats impacted by CSS consequential need to be revisited and might require system changes
- The proposed solution options may change due to refinement and further changes to CSSC requirements and considerations during Detail design phase
- Interface complexity between CSS and UK Link is not been considered for category 2 overall impact analysis as most were covered under category 1 design options already

RMP Status

Change Overview

RMP Status

Currently meter point statuses/meter asset statuses in UK Link are updated via CMS system, DN Portal, IMA file or RGMA files. Post CSS implementation, this process and meter point status values remains unchanged. However, where there is a change in meter point status that results in a change of the RMP status; UK Link will notify CSS via the SupplyMeterPointSync message to synchronise the meter point details. UK Link will derive CSS RMP Status values from the current meter point statuses along with the isolation status, for example :

Operational = LI

Dormant = LI with the isolation flag set as IS

Terminated = DE or EX

Solution Options

1	New RMP Status to be derived in UK Link at MPRN Level
2	New RMP Status to be mapped in UK Link at MPRN Level

Mapping of UK Link RMP Status to CSS RMP Status

Meter Point Status (status of the service pipe)	Isolation status (the ability of meter to pass gas)	RMP status (as held by CSS)
LI	N (or blank)	Operational
LI	Y	Dormant
CA or CL	N (or blank)	Operational
CA or CL	Y	Dormant
DE	N (or blank)	Terminated
DE	Y	Terminated
EX	Y	Terminated
EX	Nil value	Terminated

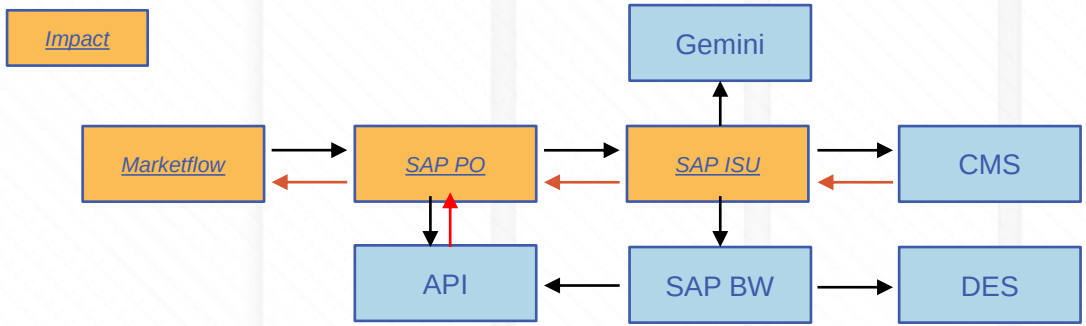
Option 1 - High Level Impact Assessment

1. New RMP Status to be derived in UK Link at MPRN Level

On change of any RMP Status (to Live, Dormant or Terminated), UK Link will notify CSS via new batched interface 'SupplyMeterPointSync'.Cyclic frequency of the batch job will be defined during detail design phase.

This interface will derive CSS equivalent RMP statuses based on UK Link Meter Point or Meter Asset status changes and therefore the RMP statuses will not be stored against a meter point.

Impacted Systems



Assumptions

- CSS RMP statuses will be derived at run time based on the mapping structure defined within UK Link
- NMS will be sent to shipper as per current BAU process
- Complexity to design SupplyMeterPointSync interface to notify CSS is excluded from overall impact
- CSS will send a response to UK Link in case of any rejections

Overall Impact

Low

Option 1 - System Impact Assessment

	SAP ISU	SAP PO	Marketflow
System Component:	SPA	Configuration	Configuration
Development Type:	Code Change	Configuration code	Configuration Code
Impacted User(s):	CSS Provider	CSS Provider	CSS Provider
Build Type:	New Interfaces for CSS and Code change in UK Link	New Interfaces for CSS	New Interfaces for CSS
Change Description:	2 New Interfaces - Functionality within SAP ISU will be build to send change of meter point status and its response from CSS to ISU system Code change to derive the new RMP Status based on the current Meter Asset Status and the Meter Point Status	2 New Interfaces System to make the configuration for 1 new interface from ISU to CSS and 1 Inbound from CSS to ISU	2 New Interfaces System to make the configuration for 1 new interfaces from ISU to CSS and 1 Inbound from CSS to ISU
Requirement Clarity:	G	G	G
Change Complexity:	G	G	G
Integration Complexity:	G	G	G
Test Data Prep Complexity:	G	G	G
Test Execution:	G	G	G
Regression Testing Impact:	G	G	G
Performance Impact:	G	G	G

Option 1 - Process Impact Assessment

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	L	**Y**	Y	N	Y	N
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 (Specify)	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

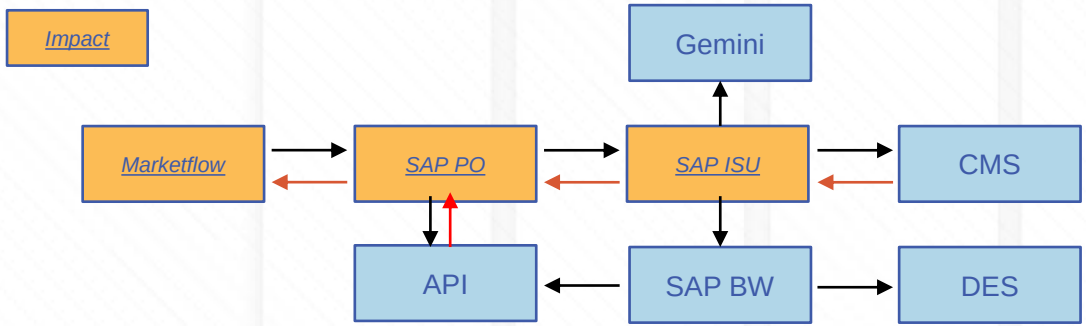
Option 2 - High Level Impact Assessment

2. New RMP Status to be mapped in UK Link at MPRN Level

On change of any RMP Status (to Operational, Dormant or Terminated), UK Link will notify CSS via new batched interface 'SupplyMeterPointSync'.Cyclic frequency of the batch job will be defined during detail design phase.

This interface will send the CSS equivalent RMP statuses saved on the MPRN level based on UK Link Meter Point or Meter Asset status changes. As part of this solution option, the RMP statuses will be stored against a meter point and a data population activity will be undertaken to update all meter points in UK Link with the new RMP status.

Impacted Systems



Overall Impact

Medium

Assumptions

- UK Link will hold the RMP statuses along with Meter point statuses in SAP ISU
- Data Profiling and then population will be required
- All processes that update the meter point status in BAU will need to be amended to update RMP statuses on e.g. RGMA, CMS etc.
- Complexity to design SupplyMeterPointSync interface to notify CSS is excluded from overall impact
- NMS will be sent to shipper as per current BAU process

Option 2- System Impact Assessment

	SAP ISU	SAP PO	Marketflow
System Component:	SPA	Configuration	Configuration
Development Type:	Code, Data Population & Config. Change	Configuration code	Configuration Code
Impacted User(s):	CSS Provider	CSS Provider	CSS Provider
Build Type:	New Interfaces for CSS Data Profiling and Cleansing Code and configuration for new RMP status	New Interfaces for CSS	New Interfaces for CSS
Change Description:	2 New Interfaces - Functionality within SAP ISU will be build to send change of meter point status and its response from CSS to ISU system Program to cater data migration requirement	2 New Interfaces System to make the configuration for 1 new interface from ISU to CSS and 1 Inbound from CSS to ISU	2 New Interfaces System to make the configuration for 1 new interfaces from ISU to CSS and 1 Inbound from CSS to ISU
Requirement Clarity:	A	A	A
Change Complexity:	A	A	A
Integration Complexity:	A	A	A
Test Data Prep Complexity:	G	G	G
Test Execution:	A	A	A
Regression Testing Impact:	A	A	A
Performance Impact:	G	G	G

Option 2 - Process Impact Assessment

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	M	**Y**	Y	N	Y	N
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 (Specify)	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

Market Sector Code

Change Overview

Market Sector Code/Domestic Indicator Update

Currently shippers can request a market sector code update as part of Registration process, MSI files or RGMA files. If received via MSI file and validations are successful, requested flag will be set up from the date of receipt of the file and response will be sent to the shippers via MSO file. Following the implementation of the CSS, shippers will no longer be able to submit changes to the market sector code via existing MSI files (except for the sites out of scope of CSS) and any changes received via RGMA files will be ignored. These updates will be requested by the suppliers through CSS processes as below:

1. **Supplier Switching request through Registration sync message** (Switching Process) – The Domestic Indicator will first be set on the Initial Registration and can then be amended via CSS registration processes.
2. **Change of domestic indicator event through Registration sync message** (Update) – UK Link will allow for an update to the Domestic Indicator with an effective date as system date or a proposed future date. MSO file will be sent to the current shipper to notify of the updates. In case of subsequent sync from CSS which updates the Domestic Indicator where a prior Domestic Indicator change is still to become effective, the latest update will supersede the previous notification.

Solution Options

Decommissioning of Current Market Sector Code Updates

1a	MSI files continue for sites out of scope of CSS (NTS sites)
2a	MSI file to be decommissioned for all sites

Change of Domestic Indicator Event notification to Shippers

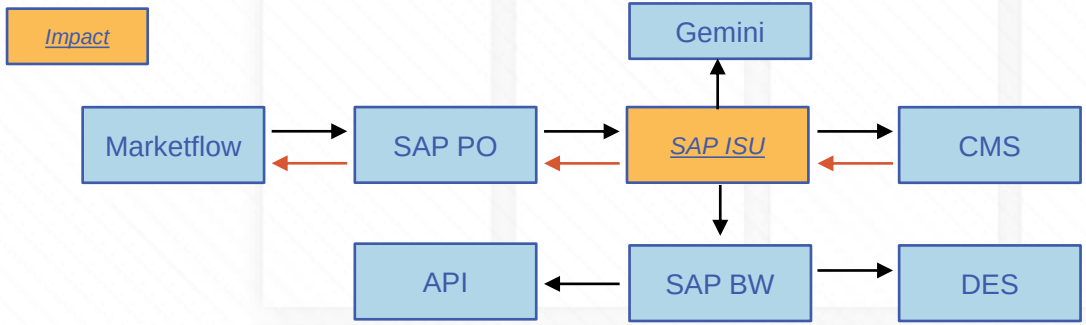
1b	MSO response on market sector code change effective date (No change in File Format)
2b	MSO response with future effective date (Proposed File Format change)

Option 1 - High Level Impact Assessment

1a. Decommissioning of Current Market Sector Code Updates - MSI files for sites out of scope of CSS (NTS sites)

Currently shippers will send the MSI files to update the market sector code. Following the implementation of the CSS, MSI file will only be used for sites out of scope of CSS which are currently restricted to NTS sites only.

Impacted Systems



Assumptions

- MSI file received after CSS implementation will be rejected except for NTS sites
- MSO files will not be sent to shippers where the MSC changes as part of a CSS switching request
- No file format change for MSI and MSO files
- No change in allowable (D/I) values for domestic indicator

Overall Impact

Low

Option 1 - System Impact Assessment

1a

	SAP ISU
System Component:	SPA
Development Type:	Code Change
Impacted User(s):	Shippers
Build Type:	1- Existing MSI/MSO files for Shippers
Change Description:	1. No change to existing MSI and MSO for NTS sites and rejection for sites in scope of CSS

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

1a

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	L	N	N	N	N	N
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 (Specify)	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

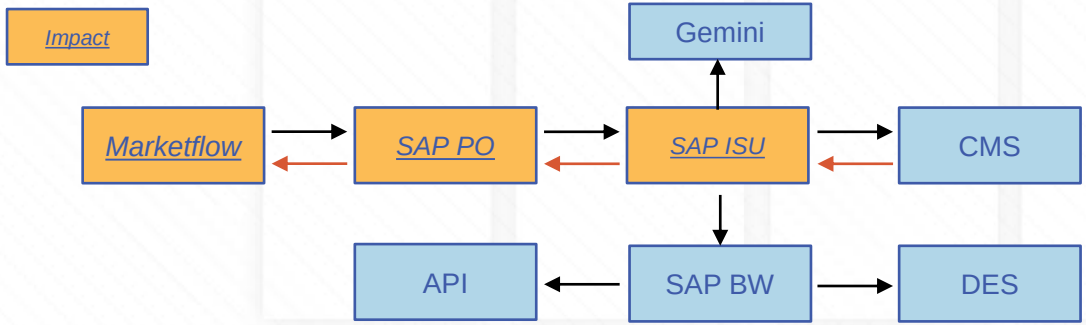
Option 2 - High Level Impact Assessment

2a

2a. Decommissioning of Current Market Sector Code Updates - MSI file to be decommissioned for NTS sites

Given the sites which are out of scope of CSS are NTS only which are very high consumption class 1 sites, its unlikely that market sector code will be changed to Domestic and hence, following the implementation of the CSS, proposal is to decommission MSI files for market sector code updates from shippers.

Impacted Systems



Assumptions

- MSI file received after CSS implementation will be rejected
- Batch jobs for processing of MSI files will be decommissioned
- Interface in PO will be disabled
- For all sites out of scope of CSS, market sector code will defaulted to 'I' (Industrial) during creation or registration process

Overall Impact

Low

Option 2 - System Impact Assessment

2a

	SAP ISU	SAP PO	Marketflow
System Component:	SPA	Configuration	Configuration
Development Type:	Code Change	Configuration Change	Configuration Change
Impacted User(s):	Shippers & CSS Provider	Shippers & CSS Provider	Shippers & CSS Provider
Build Type:	1- Batch job	1- MSI decommissioning	1- MSI Interface
Change Description:	1. MSI related batch jobs will be stopped	1. MSI Interface will be decommissioned	1. Marketflow to reject the MSI files and generate a ERR/FRJ response
Requirement Clarity:	G	G	G
Change Complexity:	G	G	G
Integration Complexity:	G	G	G
Test Data Prep Complexity:	G	G	G
Test Execution:	G	G	G
Regression Testing Impact:	G	G	G
Performance Impact:	G	G	G

Option 2 - Process Impact Assessment

2a

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	L	N	N	N	Y	N
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 (Specify)	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

Option 1 - High Level Impact Assessment

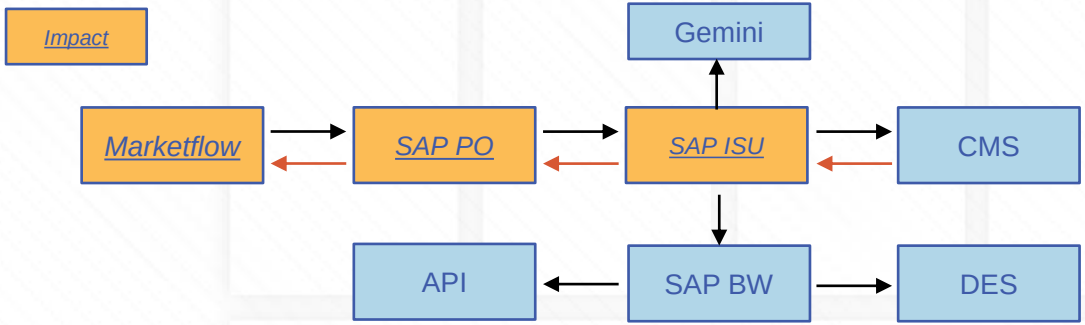
1b

1b. Change of Domestic Indicator event Notification to Shippers - MSO change effective date (No change in File Format)

UK Link system must allow for an update to the Domestic Indicator with an effective date within the current shipper ownership period. Retrospective updates can only be received as part of Change of domestic indicator event through Registration sync message and not via Registration sync for supplier switching.

On successful validation of the event message, no response will be sent to the shippers immediately but MSO file will be sent to the existing shippers on change effective date to notify them of the domestic indicator change. If the requested date is retrospective, effective date will be defaulted to system date and MSO will be sent immediately.

Impacted Systems



Overall Impact

Low

Assumptions

- Retrospective updates will be effective immediately from system date and cannot be cancelled
- MSO files will only be sent once the domestic indicator change is effective in ISU system
- Future effective change of domestic indicator requests can only be cancelled with subsequent sync message from CSS
- ISU system will maintain a log of all cancelled requests
- Portfolio files will be sent on the next day of effective date of domestic indicator change
- CFR equivalent or TRF equivalent will not be sent as part of this update request
- Complexity to design Registration event sync interface is excluded from overall impact

Option 1 - System Impact Assessment

1b

	SAP ISU	SAP PO	Marketflow
System Component:	SPA	Configuration	Configuration
Development Type:	Code Change	Configuration Change	Configuration Change
Impacted User(s):	Shippers	CSS Provider	CSS Provider
Build Type:	2 - New for CSS Provider 1 - Existing to Shippers	2 - New for CSS Provider	2 - New for CSS Provider
Change Description:	1. New Interface to receive Reg. event sync 2. New Interface to send rejection for the invalid Sync 3. MSO to notify shipper on change effective date	1. System to be configured to cater to 2 new interface	1. System to be configured to cater to 2 new interface

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

Option 1 - Process Impact Assessment

1b

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	L	N	Y	N	Y	N
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 (Specify)	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

Option 1 - High Level Impact Assessment

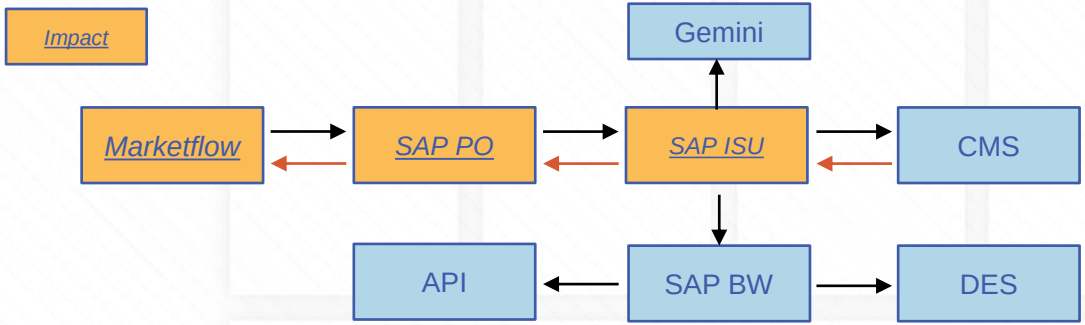
2b

1b. Change of Domestic Indicator event Notification to Shippers - MSO file with future effective date (Change in File Format)

UK Link system must allow for an update to the Domestic Indicator with a future effective date within the current shipper ownership period. On successful validation of the event message, MSO file will be sent to the existing shipper with effective date included in the file format to notify shippers of the domestic indicator change.

In case of subsequent sync from CSS which updates the Domestic Indicator where a prior Domestic Indicator change is still to become effective, the latest update will supersede the previous notification and MSO will be sent with new effective date to shippers again

Impacted Systems



Overall Impact

Medium

Assumptions

- Retrospective updates will be effective immediately from system date and cannot be cancelled
- Change in MSO file format to include the effective date
- ISU system will maintain a log of cancelled requests as well
- Portfolio files will be sent on the next day of effective date of domestic indicator change
- CFR equivalent or TRF equivalent will not be sent as part of this update request
- Complexity to design Registration event sync interface is excluded from overall impact

Option 1 - System Impact Assessment

2b

	SAP ISU	SAP PO	Marketflow
System Component:	SPA	Configuration	Configuration
Development Type:	Code Change	Configuration Change	Configuration Change
Impacted User(s):	Shippers	CSS Provider	CSS Provider
Build Type:	2 - New for CSS Provider 1 - Existing to Shippers	2 - New for CSS Provider 1 - Existing to Shippers	2 - New for CSS Provider 1 - Existing to Shippers
Change Description:	1. New Interface to receive Reg. event sync 2. New Interface to send rejection for the invalid Sync 3. MSO file format change	1. System to be configured to cater to 2 new interface 2. MSO file format change	1. System to be configured to cater to 2 new interface 2. MSO file format change
Requirement Clarity:	A	A	A
Change Complexity:	A	A	A
Integration Complexity:	A	A	A
Test Data Prep Complexity:	G	G	G
Test Execution:	A	A	A
Regression Testing Impact:	G	G	G
Performance Impact:	G	G	G

Option 1 - Process Impact Assessment

2b

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	M	Y	Y	N	Y	N
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 (Specify)	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

Meter Point Creation

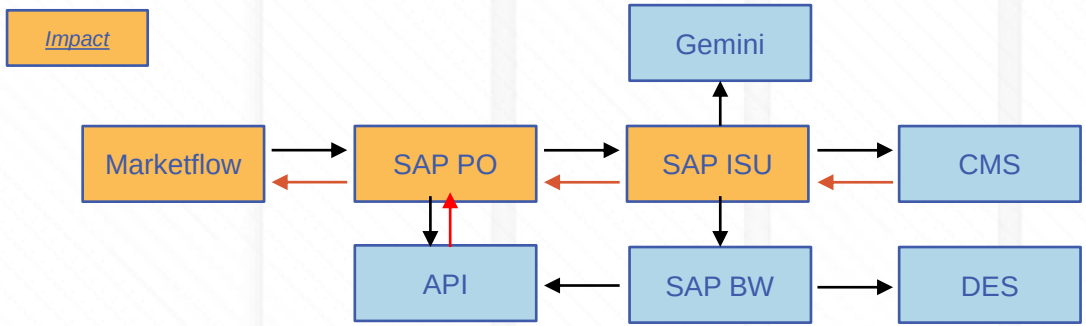
Change Overview

1. Notification for SMP Creation via SupplyMeterPointSync to CSS and response

Currently Meter Point Creation (SMP) is done via CMS / IGT file / UKLINK online screen and notification is sent back to CMS / IGT's post creation of meter point .

Post CSS implementation , Meter point creation process in UK Link will remain as is, however, notification of creation or update of meter point will be synchronised with CSS. This notification will contain meter point details along with their meter point address. Cyclic frequency of the batch job will be defined during detail design phase.

Impacted Systems



Overall Impact

Medium

Assumptions

- M-Number Batch process will remain as is and no notification will be sent to CSS
- Meter point notification to CSS will contain address and MRPN details
- CSS will send a response as part of rejection sync message
- Meter Point Location (MPL) address structure does change from and continue to align to the existing PAF structure
- SupplyMeterPointSync will not be generated for NTS sites
- TER file will continue to be sent to networks
- Complexity to design SupplyMeterPointSync interface is included in overall impact

RGMA Updates

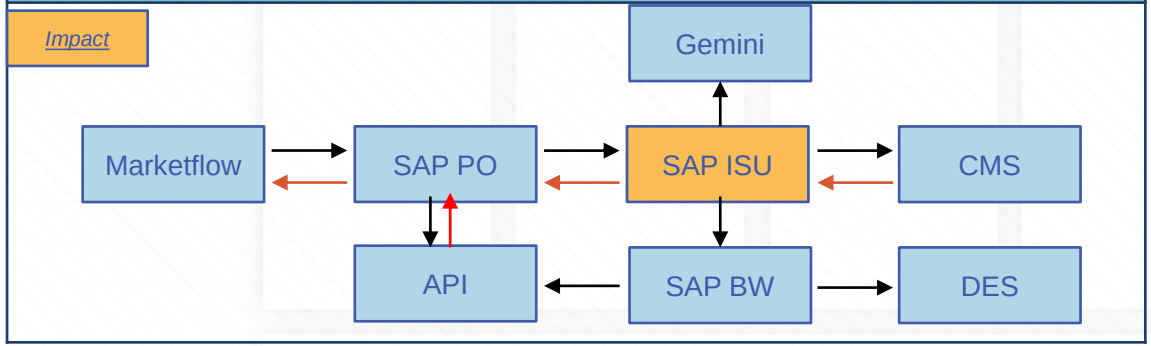
Change Overview

RGMA Updates

Post CSS implementation, there is no change anticipated in any of the RGMA flows or business processes except for aligning the inbound files (ONJOB/ONUPD) validations with respect to new supplier switching statuses e.g. Validated, Confirmed and Secured received as part of Registration sync message from CSS.

RGMA Updates for Initial Registration – RGMA flow received from an incoming shipper in relation to their pending initial registration request prior to switch status updated to validated should be rejected and not applied in UK Link
RGMA Updates for Switch – RGMA flow received from an incoming shipper in relation to their pending registration (switch) prior to the switch status updated to secured should be rejected and not applied in UK Link

Impacted Systems



Assumptions

- The RGMA update will be accepted for current Shipper ownership period
- CSS will not be notified in case of any changes to the Meter install date from that of switching effective date
- No changes to the current back billing rules, they will be applied as current BAU rules
- No file format changes to ONJOB, ONUPD , CDN DRS or PAC files
- Change of market sector code received as part of RGMA flow will not applied in the system

Overall Impact

Low

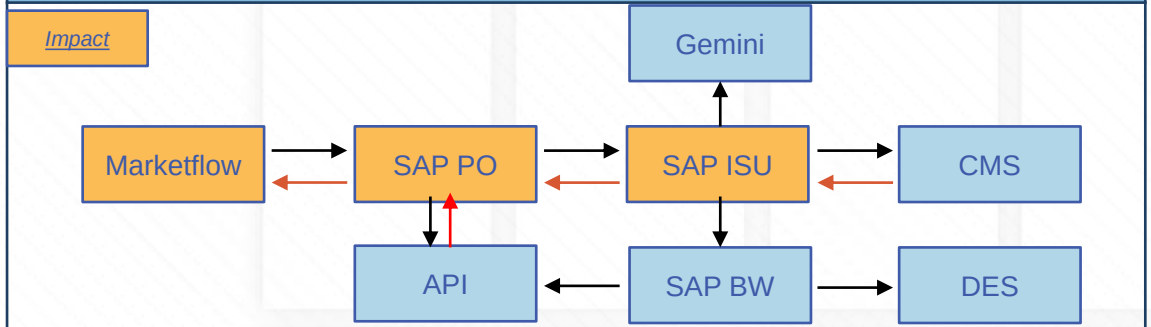
SPA Updates

Change Overview

SPA Updates

Capacity Referrals - A process to support capacity referrals through to networks via SPC file will continue as is for shippers to request change in the capacity values outside the defined ratio.
Emergency Contact Details - Shippers will be able to send the emergency contact details to UK Link outside of the switch event via EMC files as per current process.
Priority Service Details - Shippers will be able to send the priority service register details to UK Link outside of the switch event via CNC files as per current process.
MAM updates – MAM file received from an incoming shipper in relation to their pending registration prior to the switch status being updated to 'secured' (equivalent of current world 'CO') should be rejected and not applied in UK Link.

Impacted Systems



Assumptions

- SPA amendments can be received as part of the switching process
- Existing MAM stakeholder process will remain as is in UK Link
- No file format changes to CNC, CNR, EMC, MAM, MAS, NOM, SPC & SCR files
- Batch processing schedule will change

Overall Impact

Low

New Topics for Discussion

Data Enquiry

- Data Enquiry is required to display to new data sets:
  - CSS Switching Data
  - Retail Energy Location
- The data will be received from CSS over a new interface and must to displayed in real-time
- Changes will be made to incorporate these changes, along with changes to search screen and the underlying data permissions matrix
- Data enquiry consequential changes are currently being discussed within our internal HLD workshops and due to be discussed with the Industry later this month.
- For these two data sets do you have any design requirements that you wish us to consider?

630R Workgroup

6th February 2019

Purpose

- UNC Drafting to be provided to Ofgem Programme by end of March 2019
- Principles relevant to UNC presented to 0630R Workgroup
  - Obtain UNC level requirements
- Central Switching Service (CSS) Development Subgroup (DSG) is assessing solution principles
  - Subgroup of DSC Change Management
- Common discussion points between 630R and CSS DSG
  - CSS DSG meetings planned on:
    - 9th January 2019
    - 22nd January 2019
    - 7th February 2019
    - [later] February 2019

Content of the Presentation

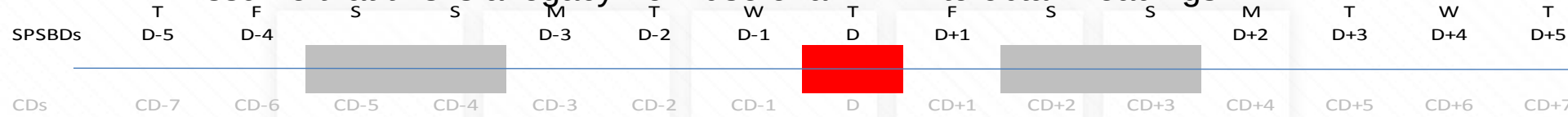
- Discussion Points
  - Opening Meter Readings – Options and recommendation
  - MAP Id - Update
  - REC Enquiry Schedule – Impacts to UNC
  - Receipt of Data by Shippers in advance of being the Registered User
  - Market Domain Market Participant Identity Process migration to UNC – Impacts to UNC
  - Treatment of Change of Supplier Only Switch Requests
- Conclusion of Topics
  - Default Settlement Values
  - Treatment of Large Site Contact Details
- Topics previously Concluded
  - UNC Transactions Removed
  - Treatment of Priority Consumer Details
  - Changes to SPA Amendment functionality

Opening Meter Readings – Options and Recommendation

This section needs to be revisited following the 630R meeting on 6th February 2019

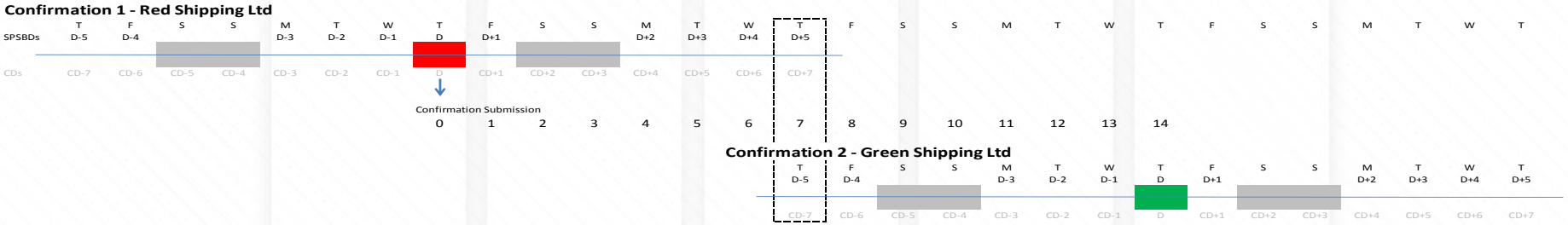
OPNT Reading (Class 4 example)

- Current Opening Meter Reading window is D+/- 5 Supply Point System Business Days
  - Consistent with electricity
  - Assume that this is a legacy from use of an MRA to obtain readings



Quickest Switching Currently

- Minimum confirmation lead time is 14 calendar days
- A subsequent confirmation cannot be accepted while another Confirmation is RQ or CO
- Consider the minimum lead times against Opening Read Window
  - 1 day overlap in Meter Reading Window
  - NB: Overlap will be greater with Bank Holidays in period
  - Assumes Red has withdrawn



Quickest Switching OSP Day 1

- A Switch Request will be subject to Standstill
- A parameterised ‘Standstill’ period will apply.
  - Example – Standstill = 5 calendar days.
- Consider the minimum lead times against Opening Read Window
  - 9 day overlap in Meter Reading Window
  - NB: Overlap will be greater with Bank Holidays in period
- **Expected that the solution will need to take account of reduced Standstill period to future proof**

Change of Shipper – Day 1

- Change of Shipper Request is not subject to a standstill period
- But will require a Change of Shipper Settlement Reading

Existing Business Rules – Reading Window

- Existing treatment of Meter Readings at Transfer (no Class Change)

Reading Class	OPNT Read Date	Read Provision Window Deadline	Replacement Reading
1	D	GFD+1	GFD+5
2	D	GFD+1	GFD+5
3	D	D+10	As needed
4	D+/-5	D+10	As needed

- Note, readings received / required with a read date subsequent to the Opening Meter Reading having been loaded will fulfil the Opening Reading or prompt the estimation of Opening Reading
  - Cyclic Readings from incoming Shipper between D+6 and D+10
  - RGMA Transactions (NB: Received with / without Meter Readings) with an effective date on or after D (received prior to D+10)
  - [Others]

Business Rules – Reading Window – Proposals

- Should **only** the Incoming Shipper be able to provide the Opening Meter Reading? – *A: Yes, this is preferred (see options)*
- In order to remove overlap in Opening Meter Reading should we seek to derive a Meter Reading for D (and not allow +/- [5] SPSBDs) – *A: Reasonably amenable to a D Reading*

- Estimation Processes are defined (Example: Class 3/4 without Class change), if an Opening Meter Reading isn't provided by the Shipper by D+10 SPSBDs an estimate is required

  - If the subsequent Switch occurs prior to D+10, should the Opening Meter Reading be generated at D? *A: see options.*
  - Other instances where the Opening Meter Reading estimation happens earlier? *A: see options.*

Business Rules – Reading Estimation

- Class 1 and 2 are not impacted.

- Class 3 and 4 impacted – since it is expected that there is [increased] commonality between Opening Meter Reading principles for these Classes.

- The following options were presented to DSG CSS:
  - *Option 1 – Opening Reading loaded for D date, and also estimated on D (where an actual is not received) – NB: this would bring Class 3 and 4 into line with Class 1 and 2*
    - *Disregarded – creates potential complexities – e.g. receipt of RGMA transactions after D.*
  - Option 2, only readings provided by the Incoming Shipper whose Opening Reading is yet to be fulfilled would be considered to derive the Opening Reading (and the last Meter Reading from the Outgoing Shipper's period).
  - Option 3, any Readings in UKL, including those provided by a subsequent Shipper would be considered for the end read with which to derive the Opening Reading for any unfulfilled Opening Reading.

  And a further option has been subsequently identified:
  - Option 4 – Shippers do not have an Opening Reading Window – the Opening Reading must be provided for D – where a Shipper fails to get an Actual for D, an estimate may be generated by the Shipper.

Business Rules – Reading Estimation

- In Option 2, only readings provided by the Incoming Shipper whose Opening Reading is yet to be fulfilled would be considered to derive the Opening Reading (and the last Meter Reading from the Outgoing Shipper's period).

- In Option 3, any Readings in UKL, including those provided by a subsequent Shipper would be considered to derive the Opening Reading(s) for any unfulfilled Opening Reading.

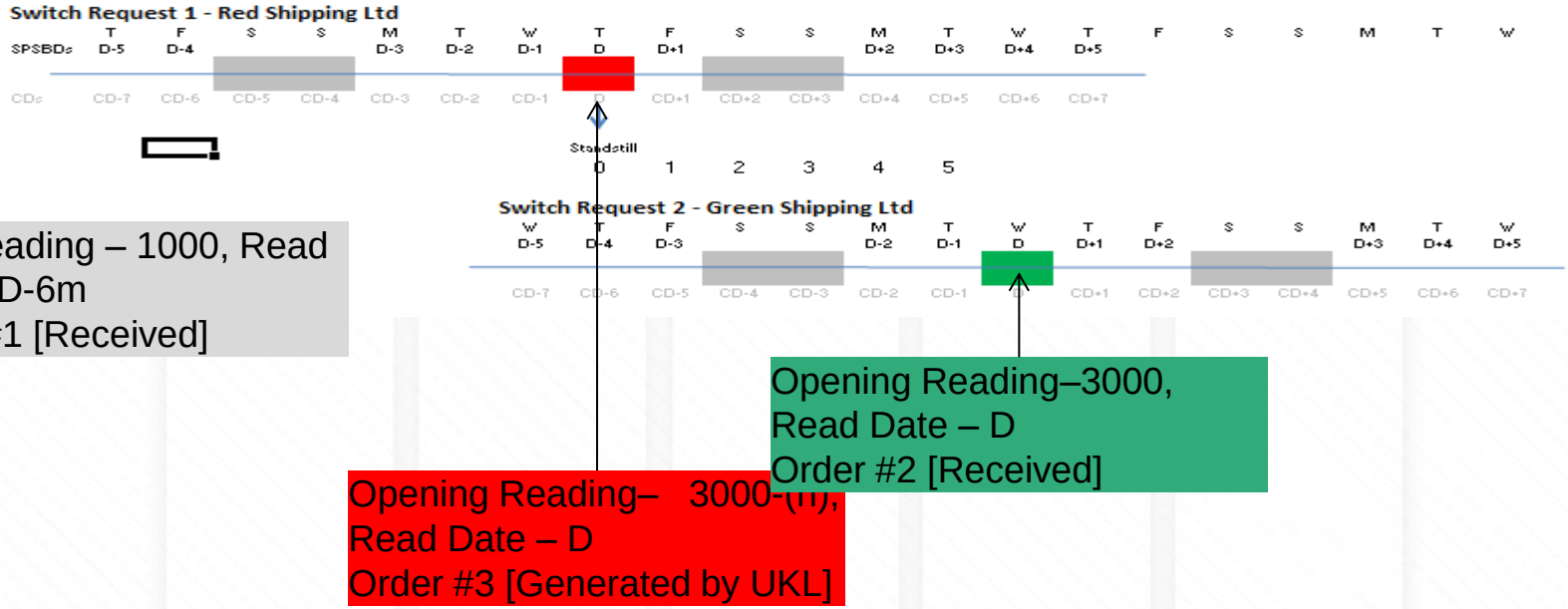
- Option 4 has materially lower complexity, as the reading windows would not cross. Reads are required to be provided by the Shipper for D.
  - The Meter Reading for D provided by the Shipper will be treated as an Actual reading.

Business Rules – Reading Estimation

- Provided that Option 1 is discounted…
- Proposed rules for Class 3 and 4:
  - All classes will have an Opening Reading for D
    - Class 3 Opening Reading is already required for D.
    - Class 4 – question the validity of the read window opening at D-5, should this start on D? Or be brought closer to D? E.g. D-2 to D+5?
      - Effectively, Opening Readings will be required for D. Does that mean that a Reading on a non D date will be a cyclic?
  - Reading Submission Window will remain open until the earliest of:
    - An Opening Reading is received for current or subsequent Opening Meter Reading
    - A subsequent Reading is received, at which point the Opening Reading will be derived for D
    - A transaction is received that requires a Reading (e.g. RGMA transaction), at which point the Opening Reading will be derived for D
    - Estimated Opening Meter Read being loaded at D+10
    - [Conceivably an RGMA update [e.g. exchange] received from the CO Shipper prior to transfer date].
    - [Others]

Example Timelines

- Option 4: Shippers determine Opening Reading for D



Last Reading – 1000, Read Date – D-6m
Order #1 [Received]

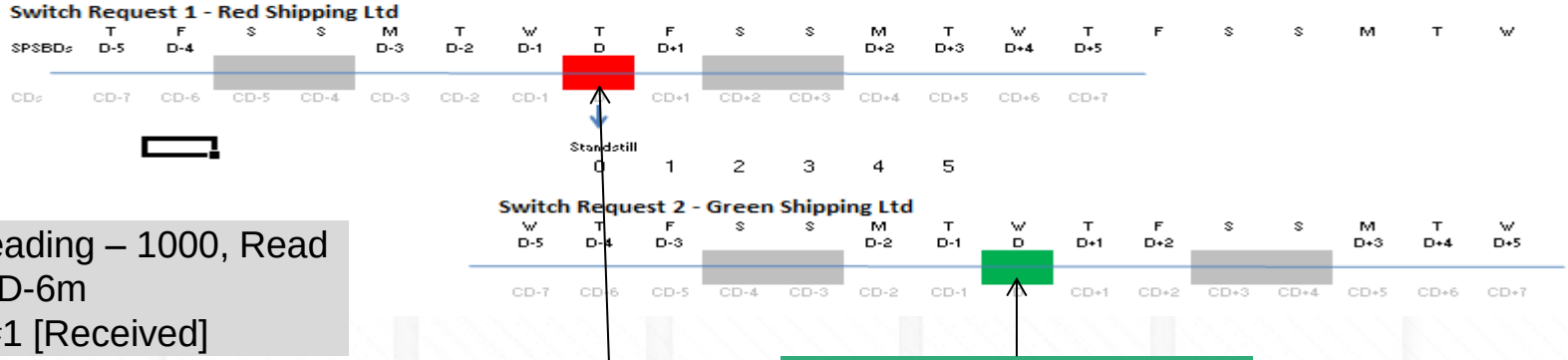
Opening Reading–3000,
Read Date – D
Order #2 [Received]

Opening Reading– 3000-(n),
Read Date – D
Order #3 [Generated by UKL]

- Less read congestion and reduced complexity of the solution in UKL
- Requirement for Shipper to create estimates - greater complexity for Shipper systems

Example Timelines

- Option 2: (simple) Use only previous Readings for Unfulfilled Opening Reading



Last Reading – 1000, Read Date – D-6m
Order #1 [Received]

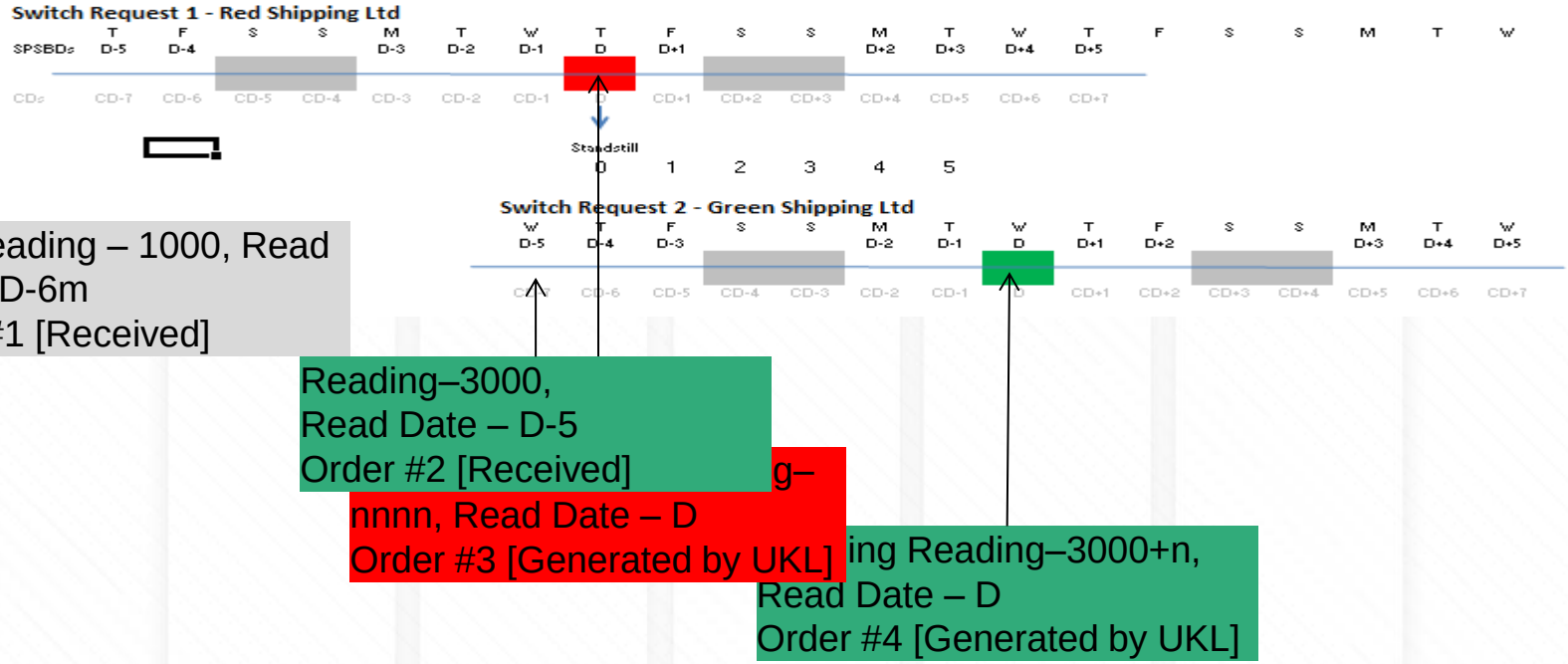
Opening Reading–3000, Read Date – D
r #2 [Received]

Opening Estimate Reading–nnnn, Read Date – D
Order #3 [Generated by UKL]

- Opening Estimate Reading derived on previous reading history… ‘nnnn’ is derived from Last Read and consistent with Estimation Methodology (Green Reading is not used)
- Last Reading may be relatively historic.
- Potential that Green Reading is lower than Estimated Reading for Red
- In a ‘Smart’ world – does the Incoming Shipper requirement remain?

Example Timelines

- Option 2: (complex) Use only previous Readings for Unfulfilled Opening Reading



- Potential that Green Reading is higher than Estimated Reading for Red
- Readings may be significantly out of sequence.
- Reading from Green on D-5 would become ‘Inactive’ once used to determine Estimated Opening Reading for Green

Example Timelines

- Option 3: (simple) Use any available Readings for Unfulfilled Opening Reading

Last Reading – 1000, Read Date – D-6m
Order #1 [Received]

Opening Estimate Reading– 3000-(n+n), Read Date – D
Order #3 [Generated by U

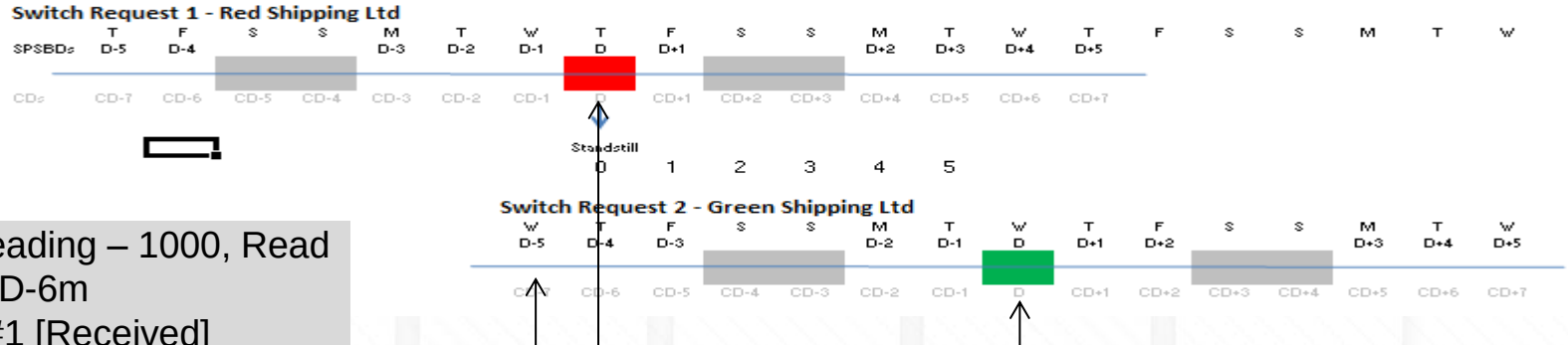
Opening Estimate Reading– 3000-n, Read Date – D
Order #4 [Generated by UKL]

Reading–3000, Read Date – D+4
Receipt Order #2

- Opening Estimate Reading prorated between last reading and subsequent reading… Red's OPNT will be in line with Green Reading
- In a 'Smart' world – does the Incoming Shipper requirement remain?

Example Timelines

- Option 3: (complex) Use any available Readings for Unfulfilled Opening Reading



Last Reading – 1000, Read Date – D-6m
Order #1 [Received]

Reading–3000,
Read Date – D-5
Re

Opening Estimate Reading–
3000+(n), Read Date – D
Order #3 [Generated by U

Opening Estimate Reading–
3000+(n+n), Read Date – D
Order #4 [Generated by UKL]

- Opening Estimate Rea d subsequent reading… Read history will be aligned….
- But, lots of readings he plexity of the solution (but this is is common to Option 2 and 3)

Business Rules – Reading Estimation

- Using best available Read history seems sensible? But there are Code impacts of Option 3.
- Code Considerations
  - If we get a subsequent reading from a different Shipper, do we use this to generate the estimate? **If yes (As per Option 3)**, this requires the UNC to change since only the Incoming Shipper may provide the Opening Reading.
    - Views?
  - If we have fulfilled the Opening Meter Reading due to a reading from an alternative source received from the subsequent Shipper - the Shipper must provide the Replacement Opening Reading for D.
    - Shipper will need to recognise Opening Reading having been fulfilled in order to send a Replacement Reading for D.
    - If Replacement Reading is not an Actual for D, it must be an Agreed Reading.
    - Replacement of 'Inactive' Readings will not re-estimate Opening Reading (as it's now been classed as Inactive).
  - Some of the Readings will need to be set as Inactive – so that they aren't used for Reconciliation (Option 3 – assume Green D-5 Reading should only be used for estimate Opening Meter Reading) – need to agree what it's used for / not used for.

MAP Id - Update

MAPs

- **First population – expected that this will be provided by MAP themselves**

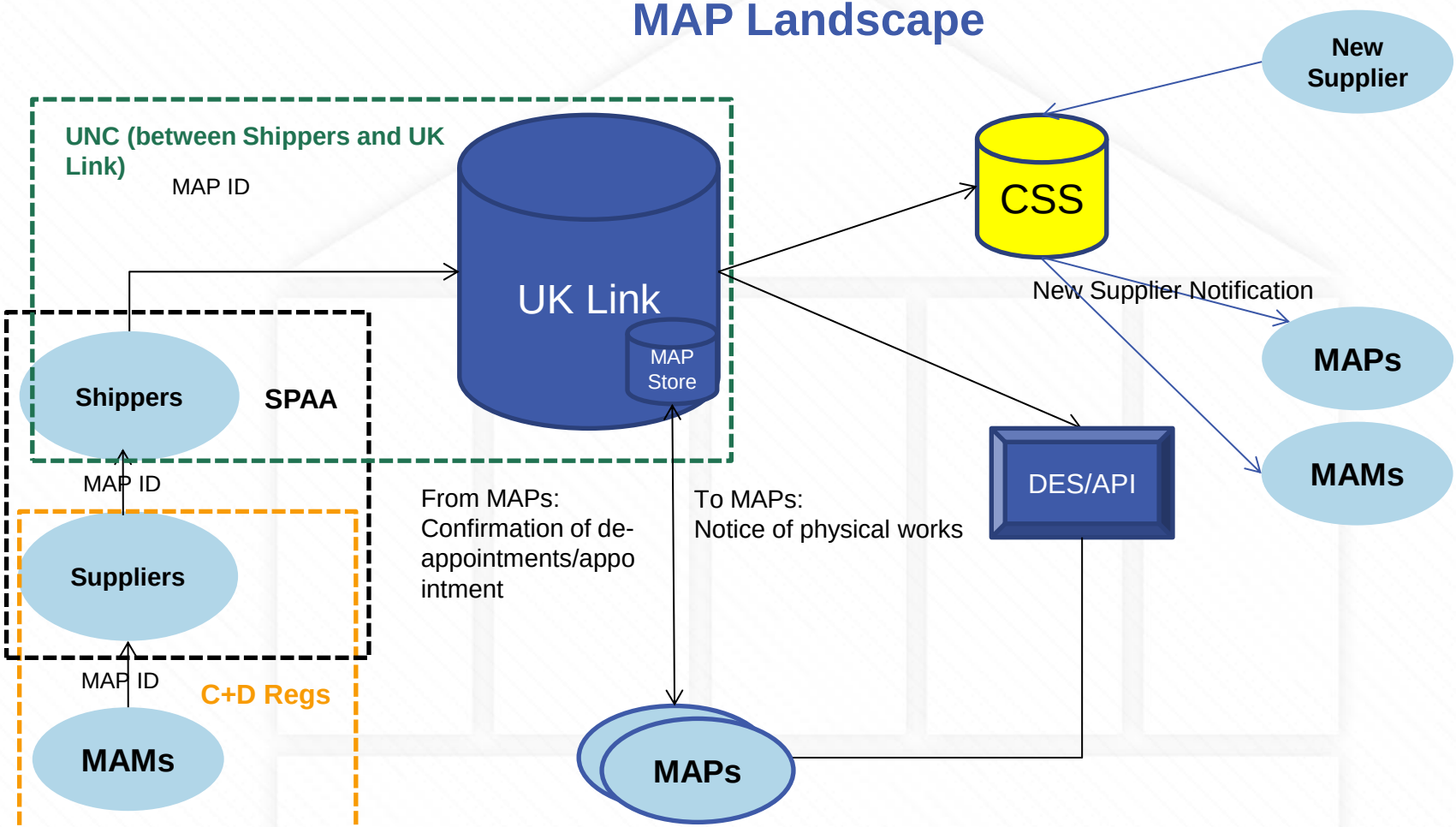
- **Enduring**
- CDSP have a responsibility in REC to provide the MAP Id to CSS as part of the MeterPointSync flow

- Feedback from 630R is that they do not expect to be responsible for mastering MAP Id
  - JOB flows should provide the Asset Provider as a Mandatory dataset where the JOB relates to an install / exchange
  - But other instances of MAP Id update are expected – e.g. Asset Transfer

- Plans to route and receive data from MAPs

- Separate Modification has been identified following identification of use case at Joint MIS Devt Group to provide MAPs with API Service
  - Mod will add MAPs to DPM as recognised recipient
  - Potential to extend access once MAP Id is recorded – e.g. via DES to ‘Portfolio View’

MAP Landscape



REC Enquiry Schedule – Impacts to UNC

Enquiry Schedule

- First draft of Enquiry Schedule expected to be made available to RDUG

- Expect that this will be constructed as:
  - Main body
  - Parties able to access data – and any conditions to be applied
  - Data items available (similar to the Data Permissions Matrix)

- Expected that the Data Items listed here will include Retail and Wholesale data
- Expected that the Schedule will indicate that the REC will grant access to parties

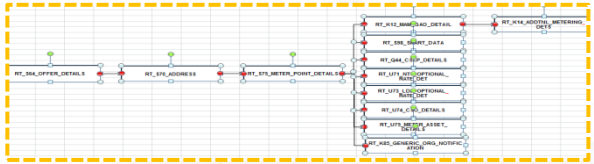
- Expected to be consulted on in next REC consultation – [April 2019]

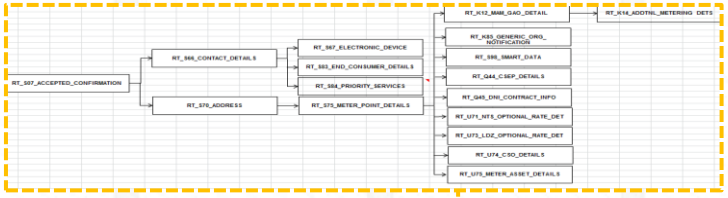
Receipt of Data by Shipper Users in advance of being the Registered User

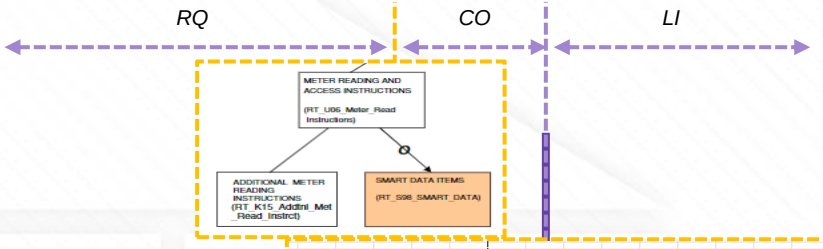
Release of Data

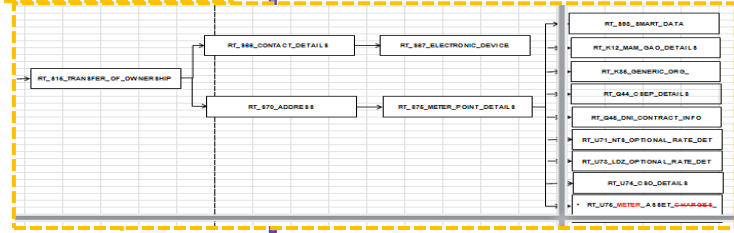
- Does release of data need to rely upon response data, or is the release of data triggered by:
  - CSS Prompts
    - Registration Request Statuses – Change of Supplier (incl Change of Supplier and Shipper)
    - CSS Registration Event – Change of Shipper
  - Retain As Is
    - [Nomination Response] and [Settlement Detail Response]
    - Time triggers in relation to D (as per D-2)
  - APIs
  - [Other]

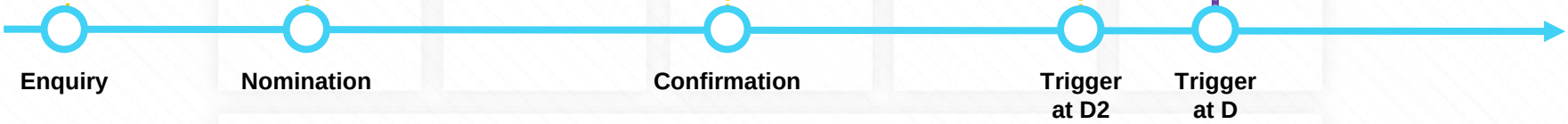
Gaining Shipper - Response Files





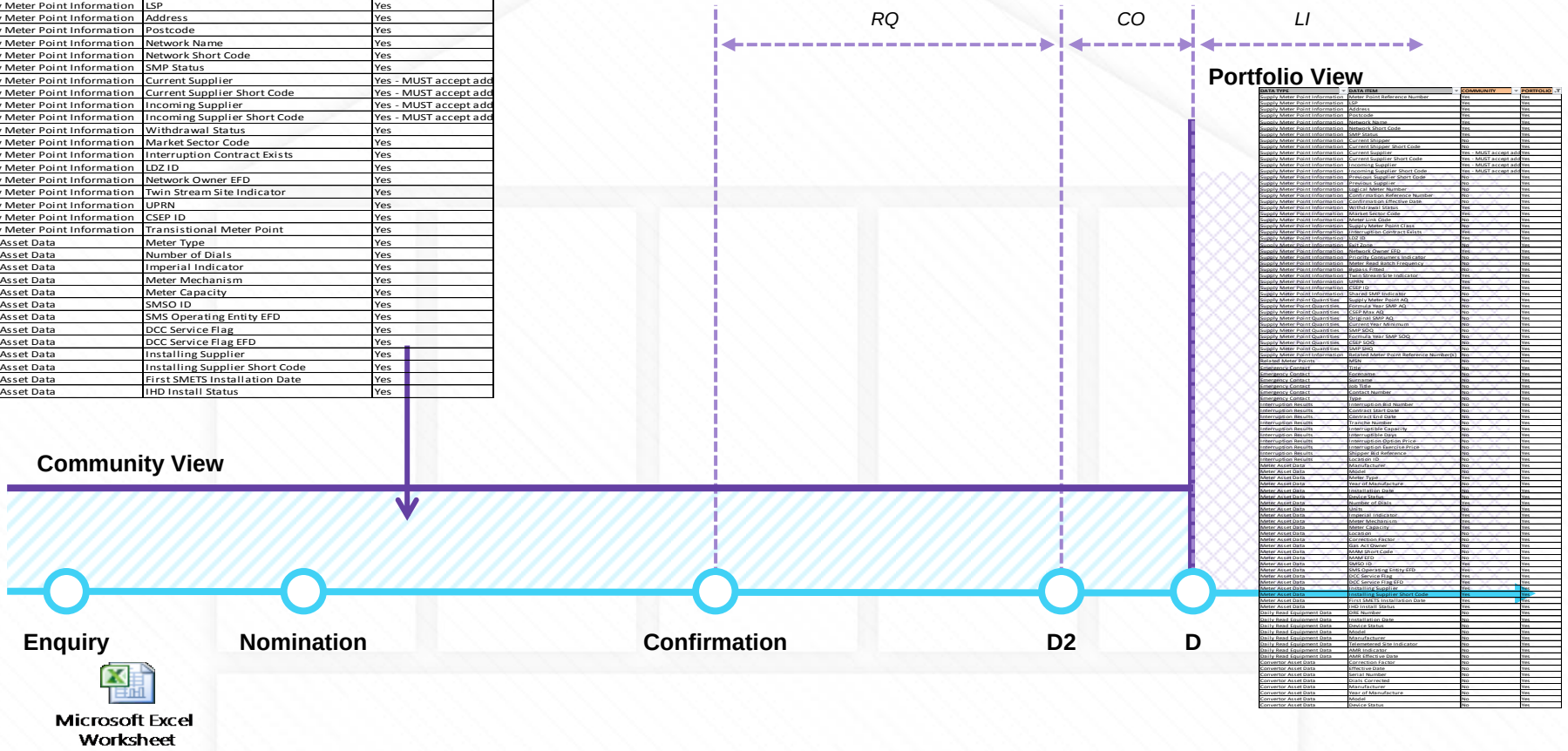






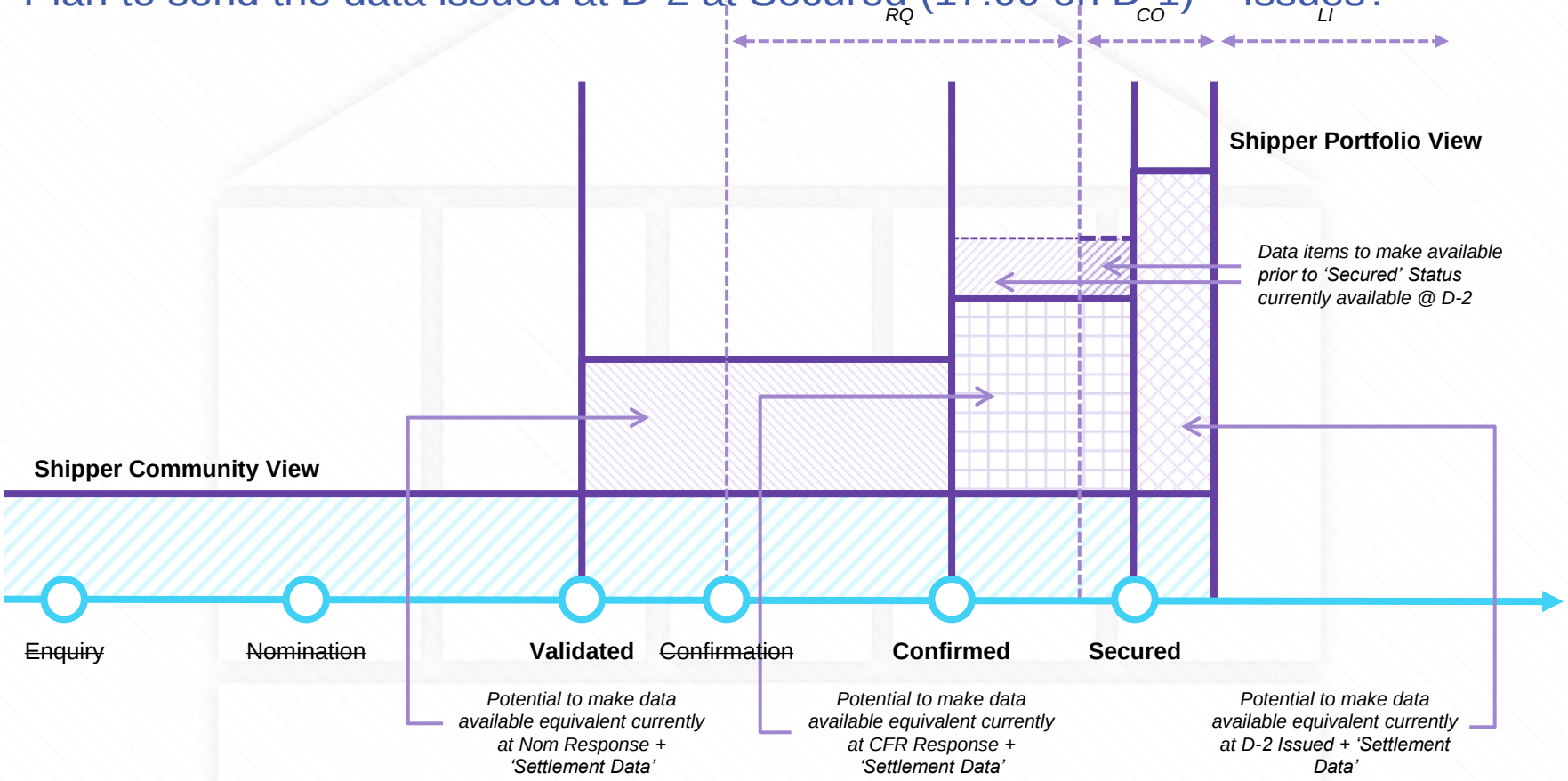
Gaining Shipper - Data Availability – Data Permissions

DATA TYPE	DATA ITEM	COMMUNITY
Supply Meter Point Information	Meter Point Reference Number	Yes
Supply Meter Point Information	LSP	Yes
Supply Meter Point Information	Address	Yes
Supply Meter Point Information	Postcode	Yes
Supply Meter Point Information	Network Name	Yes
Supply Meter Point Information	Network Short Code	Yes
Supply Meter Point Information	SMP Status	Yes
Supply Meter Point Information	Current Supplier	Yes - MUST accept add
Supply Meter Point Information	Current Supplier Short Code	Yes - MUST accept add
Supply Meter Point Information	Incoming Supplier	Yes - MUST accept add
Supply Meter Point Information	Incoming Supplier Short Code	Yes - MUST accept add
Supply Meter Point Information	Withdrawal Status	Yes
Supply Meter Point Information	Market Sector Code	Yes
Supply Meter Point Information	Interruption Contract Exists	Yes
Supply Meter Point Information	LDZ ID	Yes
Supply Meter Point Information	Network Owner EFD	Yes
Supply Meter Point Information	Twin Stream Site Indicator	Yes
Supply Meter Point Information	UPRN	Yes
Supply Meter Point Information	CSEP ID	Yes
Supply Meter Point Information	Transistional Meter Point	Yes
Meter Asset Data	Meter Type	Yes
Meter Asset Data	Number of Dials	Yes
Meter Asset Data	Imperial Indicator	Yes
Meter Asset Data	Meter Mechanism	Yes
Meter Asset Data	Meter Capacity	Yes
Meter Asset Data	SMSO ID	Yes
Meter Asset Data	SMS Operating Entity EFD	Yes
Meter Asset Data	DCC Service Flag	Yes
Meter Asset Data	DCC Service Flag EFD	Yes
Meter Asset Data	Installing Supplier	Yes
Meter Asset Data	Installing Supplier Short Code	Yes
Meter Asset Data	First SMETS Installation Date	Yes
Meter Asset Data	IHD Install Status	Yes



Gaining Shipper Availability of Data – Is there a case for change?

- Plan to send the data issued at D-2 at Secured (17:00 on D-1) – Issues?



Analysis / Approach

- Assessed the output records in the files available to Shipper Users around Change of Shipper
  - Nomination Response (incl Enquiry)
  - Referral Response
  - Confirmation Response
  - Transfer of Ownership (at D-2 SPSBDs)
  - Meter Reading Instructions / Pre Asset Transfer File (at D-2 SPSBDs)

- Assessed source of data within the records
  - Reflecting the data received in the input record – e.g. Contact Details
  - Response to the data received in the input record – e.g. Confirmation Reference Number
  - Derived from UK Link systems (Supply Point Register) – e.g. Consumption Details

Logical Data Groupings

- Categorised the data against ‘logical’ data groupings

Consumption Detail
Contact - Large Site Contact Details
Contact - Large Site Contact Details / Priority Contac
Contact - Priority Service Contact Details
CSO Contact Details
Customer Detail
Interruption Detail
Meter Point Detail
Meter Point Location Address
Meter Reading Detail
Metering Details
Offer Detail
Optional Commodity Charge
Referral Response Detail
Seasonal Contract Detail
Settlement Rate
Special Metering Detail
Supply Point Detail
Supply Point Detail - Previous

Logical Data Groupings

- Categorised the data against ‘logical’ data groupings
  - More may be required, since design may identify reasons to release data within a logical data grouping at different timescales (e.g. Previous Supply Identity (logically ‘Supply Point Detail – Previous’

Supply Point Detail - Previous		CURRENT_DM_SHQ	DERIVED FROM SAP		/S59			
Supply Point Detail - Previous		CURRENT_SMP_SOQ	DERIVED FROM SAP		/S59			
Supply Point Detail - Previous		PREVIOUS_SUPPLIER_SHORT_CODE	DERIVED FROM SAP					/S15/S70/S75
Supply Point Detail - Previous		WITHDRAWAL_STATUS	DERIVED FROM SAP		/S59	/S64		
Supply Point Detail - Previous		PRVAL_METER_READ_BATCH_FREQ	DERIVED FROM SAP		/S59			

- Or the content source may be different – would expect logical source groupings
  - ‘Derived from SAP’ (as above), or
  - ‘Response’ and ‘From File’ (e.g. Supply Point Detail)

Supply Point Detail		SUPPLIER_ORGANISATION_ID	FROM FILE
Supply Point Detail		CONFIRMATION_EFFECTIVE_DATE	FROM FILE
Supply Point Detail		GAS_NOMINATION_ID	RESPONSE
Supply Point Detail	Sourced fror	MARKET_SECTOR_CODE	FROM FILE
Supply Point Detail		METER_READ_BATCH_FREQUENCY	FROM FILE
Supply Point Detail		MRF_TYPE_CODE	FROM FILE
Supply Point Detail		NOMINATION_SHIPPER_REF	FROM FILE
Supply Point Detail		SUPPLY_METER_POINT_CLASS	FROM FILE
Supply Point Detail		SUPPLY_POINT_CATEGORY	RESPONSE
Supply Point Detail		SUPPLY_POINT_CONFIRMATION_REF	RESPONSE

Data Groupings Identified: Sample Extract

- Logical groupings of data released at key stages, for example:
  - Contact Details – in Confirmation Response (Input records provided in Confirmation File); and TRF
- Although some logical groupings are not released discretely:
  - Meter Point Detail
  - Metering Details – Meter Serial Number released from Enquiry onwards, Converter Serial Number released at MRI

			From File or SAP?	andidate for Def	NMR (S59 & S64)	NRF (S64)	CFR (S07)	TRF (S15)	MRI	PAC
Consumption Detail		CONSUMPTION_END_DATE	DERIVED FROM SAP		/S59/S70/S75/Q51					
Contact - Large Site Contact Details		CONT_ELECTRONIC_COMM_TYPE	FROM FILE	Null			/S07/S66/S67	/S15/S66/S67		
Contact - Large Site Contact Details / Priority Contact Details		CONTACT_EFFECTIVE_DATE	FROM FILE	Null			/S07/S66	/S15/S66		
Contact - Priority Service Contact Details		CONTACT_GENERAL_PRTY_SVC_NOTES	FROM FILE	Null			/S07/S66/S83			
CSO Contact Details		CSO_NAME	DERIVED FROM SAP		/S64/S70/S75/U74		/S07/S70/S75/U74	/S15/S70/S75/U74		
Customer Detail		PREMISES_CUSTOMER_NAME	FROM FILE	Null			/S07	/S15		
Interruption Detail		BID_NUMBER	DERIVED FROM SAP				/S07/S70/S75/Q45	/S15/S70/S75/Q45		
Meter Point Detail		EFFECTIVE_DATE (ASP Id EFD)	DERIVED FROM SAP		/S64/S70/S75/K85		/S07/S70/S75/K85	/S15/S70/S75/K85	/U06/N90	/U06/N90
Meter Point Detail		CORRECTION_FACTOR	DERIVED FROM SAP		/S59/S70/S75	/S64/S70/S75	/S07/S70/S75	/S15/S70/S75	/U06/N90	/U06/N90
Meter Point Detail		LAST_INSPECTION_DATE	DERIVED FROM SAP						/U06/N90	/U06/N90
Meter Point Location Address		BUILDING_NAME	DERIVED FROM SAP		/S59/S70	/S64/S70	/S07/S70	/S08/S70	/U06/N90	/U06/N90
Meter Reading Detail		LAST_READ	DERIVED FROM SAP						/U06/N90	/U06/N90
Metering Details		CONVERTOR_SERIAL_NUMBER	DERIVED FROM SAP						/U06/N90	/U06/N90
Metering Details		METER_SERIAL_NUMBER	DERIVED FROM SAP		/S59/S70/S75	/S64/S70/S75	/S07/S70/S75	/S15/S70/S75	/U06/N90	/U06/N90
Offer Detail		OFFERED_DM_SHQ	RESPONSE		/S64	/S64	/S07	/S15		
Optional Commodity Charge		SITE_COMPONENT_SOQ	DERIVED FROM SAP	Null	/S64/S70/S75/U71		/S07/S70/S75/U71	/S15/S70/S75/U71		
Referral Response Detail		REFERRAL_COMMENTS	RESPONSE		/S64	/S21/S69/Q46				
Seasonal Contract Detail		SEAS_LSP_PERIOD_END_MONTH	FROM FILE	Existing SEAS_LSP	/S64	/S64	/S07	/S15		
Settlement Rate		LDZ_CAPACITY_CHARGE_RATE	DERIVED FROM SAP		/S64	/S64	/S07	/S15		
Special Metering Detail		CAC_CORRECTOR_ASSET_CHARGE_I	DERIVED FROM SAP		/S64/S70/S75/U75		/S07/S70/S75/U75	/S15/S70/S75/U75		
Supply Point Detail		CONFIRMATION_EFFECTIVE_DATE	FROM FILE	Sourced from CSS			/S07	/S15		
Supply Point Detail - Previous		CURRENT_SMP_SOQ	DERIVED FROM SAP		/S59					
Supply Point Detail - Previous		PREVIOUS_SUPPLIER_SHORT_CODE	DERIVED FROM SAP					/S15/S70/S75		

KEY	
NMR	
NRF	
CFR	
TRF	
MRI	
PAC	

Data Groupings Identified: Summary

- Further detail required, but logical groupings suggest release of data in response to progression of Nomination / Confirmation / Transfer of Ownership

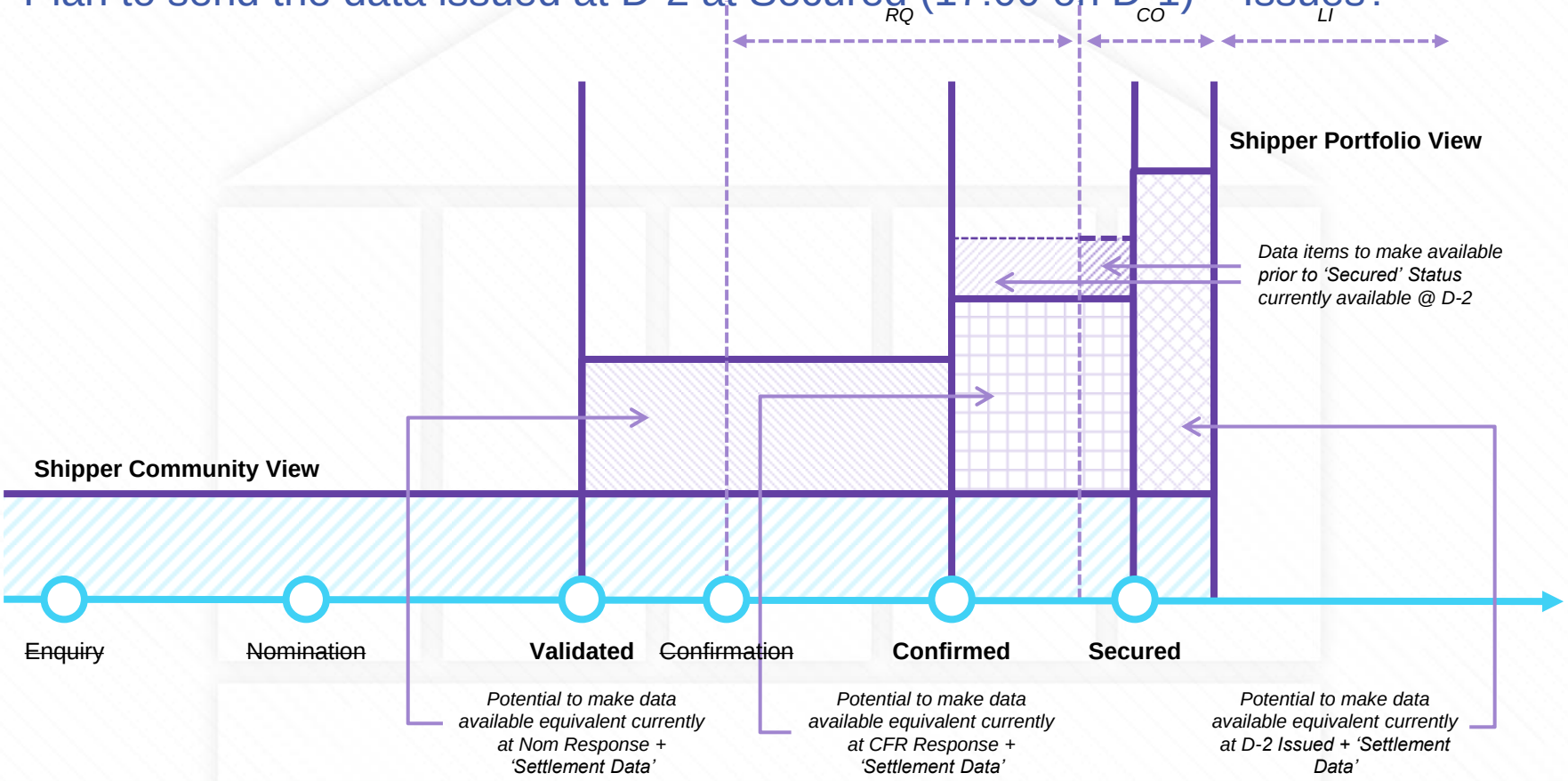
			Availability of Data					
	Existing Source	Future Source	Enquiry (NMR)	Nomination (NMR)	Referral Response (NRF)	Confirmation Response (CFR)	Transfer of Ownership (TRF)	Meter Reading Instructions File (MRI / PAC)
Consumption Detail	DERIVED FROM UKL	DERIVED FROM UKL	X					
Contact - Large Site Contact Details	FROM FILE	FROM FILE / DEFAULT				X	X	
Contact - Large Site Contact Details / Priority Contact D	FROM FILE	FROM FILE / DEFAULT				X	X	
Contact - Priority Service Contact Details	FROM FILE	FROM FILE / DEFAULT				X	X	
CSO Contact Details	DERIVED FROM UKL	DERIVED FROM UKL		X		X	X	
Customer Detail	FROM FILE	FROM FILE / DEFAULT				X	X	
Interruption Detail	DERIVED FROM UKL	DERIVED FROM UKL				X	X	
Meter Point Detail	DERIVED FROM UKL	DERIVED FROM UKL	?	?	?	?	?	?
Meter Point Location Address	DERIVED FROM UKL	DERIVED FROM UKL	X	X	X	X	X	X
Meter Reading Detail	DERIVED FROM UKL	DERIVED FROM UKL						X
Metering Details	DERIVED FROM UKL	DERIVED FROM UKL	?	?	?	?	?	?
Offer Detail	FROM FILE / RESPONSE	FROM FILE / DEFAULT / RESPONSE		X	X	X	X	
Optional Commodity Charge	DERIVED FROM UKL	DERIVED FROM UKL		X	X	X	X	
Referral Response Detail	RESPONSE	RESPONSE			X	X		
Seasonal Contract Detail	FROM FILE	FROM FILE / DEFAULT		X	X	X	X	
Settlement Rate	DERIVED FROM UKL	DERIVED FROM UKL		X	?	X	X	
Special Metering Detail	DERIVED FROM UKL	DERIVED FROM UKL		X	?	X	X	
Supply Point Detail	FROM FILE / RESPONSE	FROM FILE / DEFAULT / RESPONSE		X	X	X	X	?
Supply Point Detail - Previous	DERIVED FROM UKL	DERIVED FROM UKL		?		?	?	

Considering the Original Questions

- Further detail required, but logical groupings suggest release of data in response to progression of Nomination / Confirmation / Transfer of Ownership
- Does release of data need to rely upon response data, or is the release of data triggered by:
  - CSS Prompts
    - Registration Request Statuses – Change of Supplier (incl Change of Supplier and Shipper)
    - CSS Registration Event – Change of Shipper
  - Retain As Is
    - [Nomination Response] and [Settlement Detail Response]
    - Time triggers in relation to D (as per D-2)
  - APIs
  - [Other]

Gaining Shipper Availability of Data – Is there a case for change?

- Plan to send the data issued at D-2 at Secured (17:00 on D-1) – Issues?



Market Participant Identity Process – migration to UNC

Governance Approach

- UNC Modification proposed to place the obligation on CDSP to maintain a register of Market Participant Identifies
  - Potentially linked to Section V – Admission
  - GT-D – CDSP and UK Link – potential to consider elements regarding process and publication
- A separate UNC Modification (not in the SCR) as the migration is planned in advance of REC v2.0 go live

- Will result in new DSC Service Lines to maintain processes and publication of Market Participant Identities

- CDSP will report to DSC Committees (noting that additional parties may be impacted beyond Core DSC parties)
  - Change Management Committee – consider 'technical' impacts to existing participants systems and processes
  - Contract Management Committee – to provide assurances surrounding process control
    - Guidelines document to be managed via DSC Contract Management – predominantly relates to fact based checks against recognised datasets – e.g. Licensing / Companies House
  - Consideration of non DSC party views

Guidance Document

- Guidance Document describes:
  - Verification Checks – against data sources
  - Business Rules – against considerations for CDSP to assess Market Participant Applications
  - Obligation to follow a predefined review cycle
  - Approval – Group and Approach
    - Appeals

- Proposed that the Guidance Document is managed within DSC Contract Management Committee – not a UNCC document

Recommendation - Transition

- Transition:
  - Planned to formally transition mastering of MDD Market Participant Identities across to CDSP from February 2020
    - Includes DSC notice periods to allow for any changes to LWIs and systems
    - Technical changes will be limited – publication source changed to Xoserve.com
    - Maintain existing SPAA MP Id MDD format where possible
  - Ofgem Programme is looking to source Market Participant data from UK Link from November 2019
  - Gas MDD will be from two sources from February 2020 until REC v2.0 implementation (2021)
  - Proposed that the MDD publication timescales align
    - Note, activities within the two timelines may differ so start point may be different
    - This will rely upon DSC Committee creating a subgroup for MDD to correspond with the SPAA Change Board

Recommendation - Enduring

- Enduring:
  - Expected that CSS will want to consume MP Id data from Electricity and Gas in the same format, and to the same timelines
  - Implement a message (format and means is not currently defined) to notify MP Id population (and delta) as part of CSS Consequential changes to CSS
  - Implement a file to notify MP Id population (and delta) as part of CSS Consequential changes to Market Participants

Treatment of Change of Supplier Only Switch Requests

Registration Variants

- Registration Requests can be:
  - Switch Request – Change of Supplier and Change of Shipper
  - Switch Request – Change of Supplier only
  - Registration Request – Change of Shipper
  - Initial Registration Request – First association of Supplier and Shipper
  - Transporter Initiated Registration – CDSP / Transporter initiated first association of Supplier and Shipper
  - Deregistration Request – End association of Supplier and Shipper

- Where there is a Change of Shipper this will obviously result in a new Confirmation (or equivalent) – e.g.
  - New Confirmation Reference Number,
  - derivation of an Opening Meter Reading,
  - Requirement to define Settlement Details
    - Default of values if not provided.

- Where there is a Switch Request that changes the Supplier only (and the Shipper remains the same), the current assumption is that this will result in a new Confirmation. **Is this correct?**

Default Settlement Values – including Large Site Contact Details

Settlement Values – Default

Data Items	Optionali	NOM	Shell	Default	Default Rules
REQUESTED_DM_SOQ	O	Y	N	Y	Retain existing DM SOQ from the current Supply Point.
REQUESTED_DM_SHQ	O	Y	N	Y	Retain existing DM SHQ from the current Supply Point.
SEASONAL_LSP_INDICATOR	O	Y	N	Y	Keep current if prior to anniversary
SEAS_LSP_PERIOD_START_MTH	O	Y	N	Y	Existing Start Month will be provided (retrospective date).
SEAS_LSP_PERIOD_END_MTH	O	Y	N	Y	Existing End Month will be provided.

Settlement Values - Default

Data Items	Optionality	Shell	Default	Default Rules
MRF_TYPE_CODE	O	Y	Y	Where the MP AQ is >= 293,000 kWh default to 'Monthly', otherwise 'Annual'. Other options
SUPPLY_METER_POINT_CLASS	M	Y	Y	Default rule associated to non receipt of Shell: Proposed: Where the MP AQ is >= 58.6MWh default to 'Class 1', otherwise 'Class 4'.

Settlement Values – Default to Null

Data Items	Optionali	NOM	Shell	Default	Default Rules
NTS_OPTIONAL_RATE_APPLICABLE	M	Y	N	Y - Null	Shorthaul rate not applied.
SPECIFIED_EXIT_POINT	M	Y	N	Y - Null	Proposed rules to remove Shorthaul tariff if not specified, mean that default is not needed.
SPECIFIED_ENTRY_POINT	O	Y	N	Y - Null	Proposed rules to remove Shorthaul tariff if not specified, mean that default is not needed.
SPECIFIED_ENTRY_POINT_NAME	O	Y	N	Y - Null	Proposed rules to remove Shorthaul tariff if not specified, mean that default is not needed.
GRID_REFERENCE_ENTRY_POINT	O	Y	N	Y - Null	Proposed rules to remove Shorthaul tariff if not specified, mean that default is not needed.
GRID_REFERENCE_EXIT_POINT	O	Y	N	Y - Null	Proposed rules to remove Shorthaul tariff if not specified, mean that default is not needed.
LDZ_OPTIONAL_RATE_APPLICABLE	M	Y	N	Y - Null	Shorthaul rate not applied.
SPECIFIED_EXIT_POINT	M	Y	N	Y - Null	Proposed rules to remove Shorthaul tariff if not specified, mean that default is not needed.
GRID_REFERENCE_ENTRY_POINT	O	Y	N	Y - Null	Proposed rules to remove Shorthaul tariff if not specified, mean that default is not needed.
GRID_REFERENCE_EXIT_POINT	O	Y	N	Y - Null	Proposed rules to remove Shorthaul tariff if not specified, mean that default is not needed.

Settlement Values – Default to Null

Data Items	Optionality	Shell	Default	Default Rules
PREMISES_CUSTOMER_NAME	O	Y	Y - Null	Remove data.
SHIPPERS_CUSTOMER_NAME	O	Y	Y - Null	Remove data.
METER_READ_BATCH_FREQUENCY	O	Y	Y - Null	Based on prevailing default rules for SMP_CLASS will not require default as this data item is only necessary for Class 3 SMPs.

Priority Consumer Details – Default to Null

- Default values are proposed to be that the existing to null.

Data Items	Optionality	Shell	Default	Default Rules
CONTACT_TYPE	M	Y	Y - PC	Remove data.
CONTACT_TITLE	O	Y	Y - PC	Remove data.
CONTACT_SURNAME	O	Y	Y - PC	Remove data.
CONTACT_INITIALS	O	Y	Y - PC	Remove data.
CONTACT_FIRST_NAME	O	Y	Y - PC	Remove data.
CONTACT_JOB_TITLE	O	Y	Y - PC	Remove data.
CONTACT_EFFECTIVE_DATE	M	Y	Y - PC	Remove data.
CONTACT_PASSWORD	O	Y	Y - PC	Remove data.
GENERAL_SPECIAL_NEEDS_NOTES	O	Y	Y - PC	Remove data.
CONTACT_PASSWORD	O	Y	Y - PC	Remove data.
CONTACT_GENERAL_PRIORITY_SERVICE_NOTES	O	Y	Y - PC	Remove data.
LANGUAGE_(ADDITIONAL_INFORMATION)	O	Y	Y - PC	Remove data.
ALTERNATE_PRIORITY_SERVICE_CONTACT_NAME	O	Y	Y - PC	Remove data.
ALTERNATE_PRIORITY_SERVICE_CONTACT_PHONE_NUMBER_1	O	Y	Y - PC	Remove data.
ALTERNATE_PRIORITY_SERVICE_CONTACT_PHONE_NUMBER_2	O	Y	Y - PC	Remove data.
PRIORITY_SERVICE_CATEGORY	M	Y	Y - PC	Remove data.
CONSENT_TO_SHARE_DATA_OBTAINED	M	Y	Y - PC	Remove data.
PSR_CODE_EXPIRY_DATE	O	Y	Y - PC	Remove data.

Large Site Contact Details – Default to Null

- Default values are proposed to be that the existing to null.

Data Items	Optionality	Shell	Default	Default Rules
SP_MANNED_24_HOURS_INDICATOR	M	Y	Y - Large Site	Remove data.
CONTACT_TYPE	M	Y	Y - Large Site	Remove data.
CONTACT_TITLE	O	Y	Y - Large Site	Remove data.
CONTACT_SURNAME	O	Y	Y - Large Site	Remove data.
CONTACT_INITIALS	O	Y	Y - Large Site	Remove data.
CONTACT_FIRST_NAME	O	Y	Y - Large Site	Remove data.
CONTACT_JOB_TITLE	O	Y	Y - Large Site	Remove data.
CONTACT_EFFECTIVE_DATE	M	Y	Y - Large Site	Remove data.
CONT_ELECTRONIC_COMM_TYPE	M	Y	Y - Large Site	Remove data.
CONTACT_ELECTRONIC_ADDRESS	M	Y	Y - Large Site	Remove data.

- Contact Details
- Large Site Details
- Interruption Contact Details

Concluded Topics

Concluded Topics

- For In Scope Supply Meter Points, the following processes are no longer required:
  - Withdrawal – Replaced by Supplier led ‘Deregistration’ process in CSS and Retail Energy Code (REC)
  - Objection – Replaced by Supplier led ‘Switch Request Objections’ process in CSS and REC
  - Confirmation Cancellation – Replaced by Supplier led ‘Withdrawal’ process in CSS and REC

- Supply Point Amendment will be **amended** to remove the following data items outside a Confirmation
- This needs to change due to data being mastered via CSS:
  - ~~Change in supplier where there is no change of Registered User~~
  - ~~Change in Market Sector Code~~

Concluded Topics

- No changes are expected to RGMA timescales
  - Shippers will maintain the obligation to pass on information received from Suppliers withing 2 SPSBDs
- Shippers will need a process to notify the valid Shipper/Supplier relationships for the CDSP to pass to CSS
- UKL will still continue to provide equivalent of ‘Ceased Responsibility’ Notifications to the Outgoing Shipper