



**630R Workgroup -  
6<sup>th</sup> March 2019**

# Content of the Presentation

- Update to RDUG – For Information
  - Progress / High Level Overview of Impacted Areas
- Conclusion of Topics
  - Opening Meter Readings
  - Treatment of Change of Supplier Only Switch Requests
  - Receipt of Data by Shippers in advance of being the Registered User
  - Treatment of Large Site Contact Details
- For Information
  - MAP Id - Update
  - Market Domain Market Participant Identity Process migration to UNC – Impacts to UNC
  - REC Enquiry Schedule
- Topics previously Concluded – Not included in this Slide Deck
  - UNC Transactions Removed
  - Changes to SPA Amendment functionality
  - Default Settlement Values

The Voice of the Networks



# Energy Networks Association

## Overview of Amendments to the UNC as part of the 'Faster Switching' SCR

25th February, 2019

# Introduction

- On target for completion by end March 2019.
- Legal resource provided by Dentons.
- Information provided to industry parties through UNC 0630R Review Workgroup (UNC governance).
- Limited consultation with Shipper Users through 0630R.
- Informed (limited) by discussion in DSG extraordinary sub-group of the DSC.
- Regular (monthly) inter GT/Xoserve Workshops.

# Overview of Amendments to UNC Drafting

- Registration for Supply Meter Points in scope of CSS will be mastered in CSS, the new drafting reflecting that the Registration Events will occur based upon transactions initiated in CSS (CSS Supply Points).
  - Some Supply Meter Points remain out of scope of CSS, UNC drafting retained for registration for these Supply Points (Non CSS Supply Points) – i.e. Nomination / Confirmation processes.
- Changes therefore primarily to the following Sections:
  - TPD Section G – Supply Points.
    - Section G has been restructured due to changes necessary for Supply Point Registration via CSS for majority of Supply Meter Points.
- Other changes are necessary to other sections, for example
  - TPD Section B – System Use and Capacity.
    - Supply Point Nomination and Capacity changes, including incorporation of existing Capacity processes (from Section G).
    - Amendments to reflect changes for CSS Supply Points being initiated by CSS.
  - TPD Section M – Opening Meter Readings.
    - Changes are being defined to the rules for obtaining and submitting Opening Meter Readings at transfer
  - Others – under review.

## TPD Section G

- Amendments to the structure:
  - G4 - Supply Point Registration – Generic Rules.
  - G5 – Supply Point Registration - CSS Supply Points.
  - G6 – Supply Point Registration - Non CSS Supply Points.
- For CSS Supply Points UNC therefore needs to consider:
  - Creation of the Registered User, based upon transactions initiated in CSS.
  - Association of Shipper ‘Settlement Details’ to the Registration – ‘Shell Record’ - [Base Registration Nomination].
    - Creation of a time by which Shipper Settlement Details must be received in order to be applied.
  - Treatment of Capacity Referrals to Networks – how Shippers can select DM Capacity and other specific products – e.g. Seasonal – [Referable Registration Nomination].
  - Settlement Data Defaults to apply in the event that CDSP doesn’t receive Settlement Details from a party.
  - Removal of specific UNC processes for CSS Supply Meter Points where this is redundant due to CSS:
    - 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.

## TPD Section G (continued)

- Release of data to Prospective Shippers – including where the Shipper has not provided a transaction under UNC.
  - Dealt with in Annexes to define which aspects of the Supply Point Register that the CDSP can make available in relation to receipt of either:
    - Synchronisation Messages from CSS identifying the Prospective Shipper.
    - Receipt of Valid [Base Registration Nomination] – Shell Record – from a Prospective Shipper.
  - Other Annexes consider default values / existing Supply Point Amendment functions.
- Since registration is initiated under CSS by the Supplier, the Shipper provides to the CDSP the Suppliers which may initiate registration (Supplier-Shipper Association Data).
  - UNC considers the receipt of data from Shippers to CDSP.
  - REC places the obligation on the CDSP to pass this to the CSS Service Provider.
- An equivalent obligation will exist for CDSP to pass Shipper-Transporter Association Data.

## TPD Section M

- Discounted changes to RGMA processes.
- Necessary changes to Opening Meter Reading – changes under consideration to reduce impacts of Faster (and more frequent) Switching timescales.
  - Window within which a Reading can be obtained will be reduced from D-5 to D+5, so it is obtained on D.
  - Changes to Read Submission Deadline for Opening Reading (or an Actual to prompt the Estimated Opening Meter Reading).
  - When an Estimated Opening Meter Reading is generated.





**Topic for Conclusion - Opening Meter Readings**

# Business Rules – Opening Readings

- We are seeking to avoid instances of negative consumptions
  - Specifically the existing Opening Reading Window of D-5 to D+5 creates this risk for Actual Meter Readings generating negative consumptions
  
- 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.

# Existing Business Rules – Reading Window – (Unchanged 06/02)

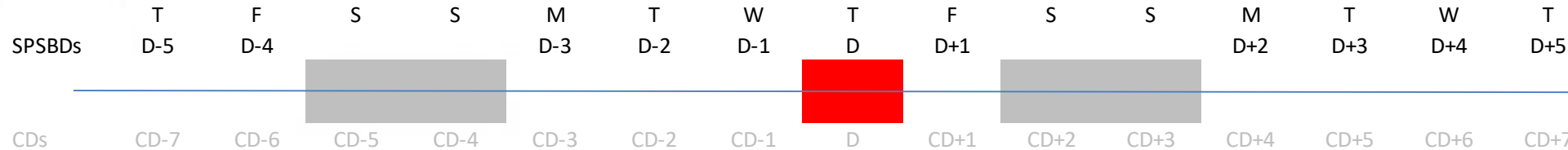
- Existing treatment of Meter Readings at Transfer (no Class Change)

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]

# OPNT Reading (Class 4 example) – (Unchanged 06/02)

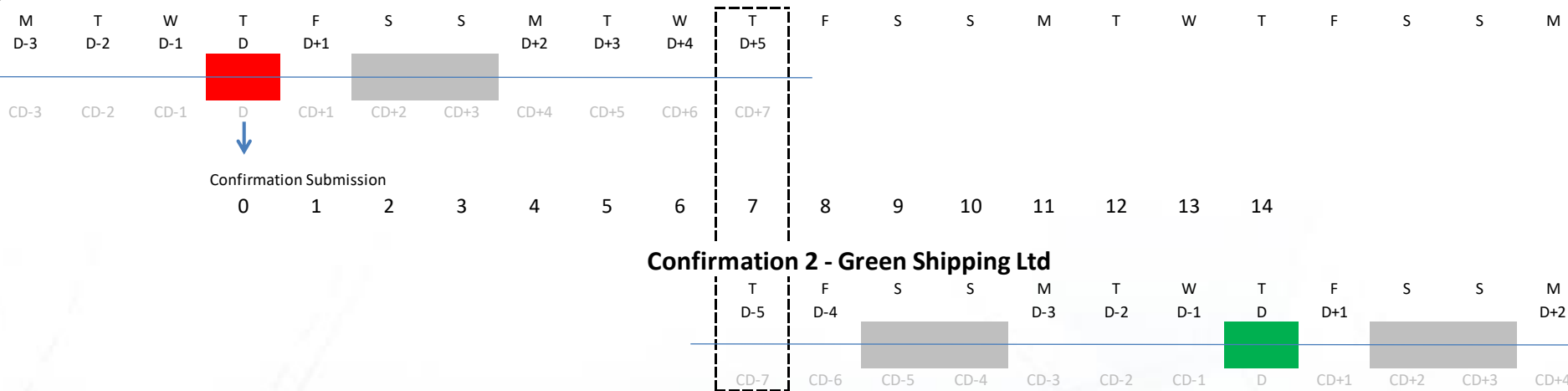
- Current Opening Meter Reading window is D $\pm$  5 Supply Point System Business Days
  - Consistent with electricity
  - Assume that this is a legacy from use of an MRA to obtain readings



# Quickest Switching Currently – (Unchanged 06/02)

- 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

Ltd



# Quickest Switching OSP Day 1- (Unchanged 06/02)

- 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**

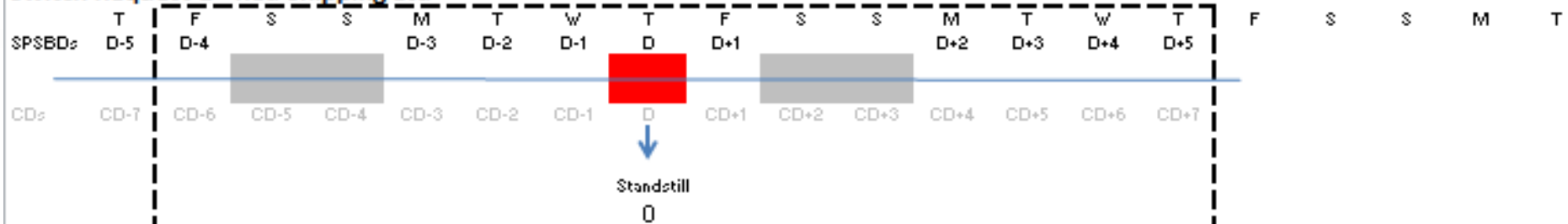
## Switch Request 1 - Red Shipping Ltd



# Change of Shipper – Day 1 – (Unchanged 06/02)

- Change of Shipper Request is not subject to a standstill period
- But will require a Change of Shipper Settlement Reading
- This is therefore a Day 1 Requirement to cater for this

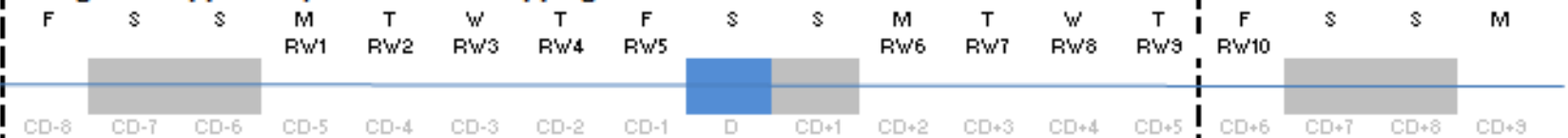
## Switch Request 1 - Red Shipping Ltd



## Change of Shipper Request 1 - Green Shipping Ltd



## Change of Shipper Request 2 - Blue Shipping Ltd



# Business Rules – Opening Reading for D

- Opening Readings are to be obtained for D
- Where a Reading is provided prior to the Read Submission Deadline that is Valid but not for D, then the CDSP shall estimate a Reading for D. e.g. if the Shipper provides a Reading for D+2, then that will be recorded and used to derive the D estimate
- As such all Classes of Meter Readings will be obtained for D



# Business Rules – Opening Reading Window

- Currently the Incoming Shipper can obtain an Opening Meter Reading at D-5 to D+5
- **Question:** Due to the risk of proximity of Transfers, does the opportunity to obtain an Opening Meter Reading start at:
  - D
  - D-5, or
  - An Alternative Date prior to D – i.e. D-X
- Observation: limiting it to D or later will probably reduce the risk of complex business rules / scenarios
- Note: DSG expressed a preference for limiting to D or later.
- At this group previously, discussions had indicated that D-5 was too early, and that this should be reduced. 630R Members agreed to consider options and report back to this group.
  - **Views?**

# Business Rules – Which User?

- The responsibility for providing the Opening Reading rests with the Incoming Shipper in UNC
  - In UK Link, currently where an Opening Read Request is outstanding any Reading loaded will fulfil the Opening Reading
- **Question:** Do you want Xoserve to consider ANY Subsequent Valid Readings – even if from the Subsequent Registered User
  - Observation: allowing Readings from a Subsequent Shipper will reduce the risk of negative consumptions between Estimates and an Actual provided by a Subsequent User.
  - Note: DSG expressed a preference for allowing Subsequent Shipper Readings to inform outstanding Opening Meter Read Requests.
  - At this group previously, discussions had indicated that the preference was NOT allowing Subsequent Shipper Readings would be used. 630R Members agreed to consider options and report back to this group.
    - **Views?**

# Business Rules – Read Submission Window

- The Read Submission Window will be defined by:
  - Events
  - The Read Submission Deadline – currently at D+10
- Read Submission Deadline
  - Largely conclusions to date seem to consider that the existing deadline can remain as is, but events need to be considered.
  - 630R was asked to consider whether the Read Submission Deadline be brought forward from D+10.
    - Views?
- Events considered:
  - Receipt of Reading
  - Whether a Subsequent Shipper can provide a Reading that will inform the Opening Reading
  - Whether this is at the Confirmation Effective Date of a Subsequent Shipper

# Business Rules – Read Submission Window

- Reading Submission Window will remain open until the earliest of:
  - An Opening Reading is received from the Incoming Shipper A
  - A Valid Reading is received from the Incoming Shipper, at which point the Opening Reading will be derived for D
  - *A Valid Reading is received from the Incoming Shipper, at which point the Opening Reading will be derived for D - Depending on the answer from the previous slide*
  - A valid transaction is received with an effective date after D that requires a Reading (e.g. RGMA transaction) from the Incoming Shipper, at which point the Opening Reading will be derived for D
  - *[A valid transaction is received with an effective date after D that requires a Reading (e.g. RGMA transaction) from a Subsequent Shipper, at which point the Opening Reading will be derived for D]*
  - If a further transfer happens, then the Estimated Opening Meter Reading will be loaded on the subsequent Shippers Confirmation Effective Date
  - Creation of the Estimated Opening Meter Reading at Read Submission Deadline

# Business Rules – Replacement

- Once an Opening Meter Reading has been loaded this must be submitted with an Agreed Reading (as currently)
- And only Replaced by the Incoming Shipper (as currently)

# Business Rules – Other Considerations

- Loading an Opening Reading on D if an Actual hasn't been received
  - Disregarded as the Read Submission Window cater for subsequent Switch prior to RSW
- Two stage process – Smart / Traditional
  - Disregarded as the Read Submission Window rules allow for Traditional, and can work effectively with Smart



**Topic for Conclusion - 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?**
  - **630R were asked to consider this. Views?**





**Topic for Conclusion: Receipt of Data by Shipper Users in advance of being the Registered User**

# Release of Data – Summary of Approach

- Release of data will need to rely upon:
  - CSS Prompts
    - Registration Request Statuses – Change of Supplier (incl Change of Supplier and Shipper)
    - CSS Registration Event – Change of Shipper
  - Response to UNC transactions
    - [Nomination Response] and [Settlement Detail Response]
    - Time triggers in relation to D (as per D-2)
- It is expected that this will be a mixture of traditional responses – e.g. file traffic, and also APIs (and potentially DES) to Prospective Users

# Release of Data

- Logical groupings will be identified
  - Proposed to Release Data in line with the Logical Groupings
  - Note: Changes to are likely due to the vagaries of the UK Link Formats
    - E.g. Converter Serial Number is not released until the Meter Reading Instructions (MRI) is provided at D-2 (CO Status), whereas Meter Serial Number is released in Enquiry / Nomination / Confirmation Responses and MRI
- 'Logical Groupings' may be easier to release via API / DES, may be constrained by design principles in file formats
  - Although there seems to be support for assessing changes, rather than least change approach instructed at Nexus - TBC

# Analysis / Approach – (Unchanged 06/02)

- 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 – (Unchanged 06/02)

- Categorized the data against 'logical' data groupings

Consumption Detail
Contact - Large Site Contact Details
Contact - Large Site Contact Details / Priority Contact
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 – (Unchanged 06/02)

- 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	
Supply Point Detail - Previous		WITHDRAWAL_STATUS	DERIVED FROM SAP	/S59
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 from	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 Del	NMR (S59 & S64)	NRF (S64)	CFR
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/S
Contact - Large Site Contact Details / Priority Contact Details	CONTACT_EFFECTIVE_DATE	FROM FILE	Null			/S07/S66
Contact - Priority Service Contact Details	CONTACT_GENERAL_PRTY_SVC_NOTES	FROM FILE	Null			/S07/S66/S
CSO Contact Details	CSO_NAME	DERIVED FROM SAP		/S64/S70/S75/U74		/S07/S70/S
Customer Detail	PREMISES_CUSTOMER_NAME	FROM FILE	Null			/S07
Interruption Detail	BID_NUMBER	DERIVED FROM SAP				/S07/S70/S
Meter Point Detail	EFFECTIVE_DATE (ASP Id EFD)	DERIVED FROM SAP		/S64/S70/S75/K85		/S07/S70/S
Meter Point Detail	CORRECTION_FACTOR	DERIVED FROM SAP		/S59/S70/S75	/S64/S70/S75	/S07/S70/S
Meter Point Detail	LAST_INSPECTION_DATE	DERIVED FROM SAP				
Meter Point Location Address	BUILDING_NAME	DERIVED FROM SAP		/S59/S70	/S64/S70	/S07/S70
Meter Reading Detail	LAST_READ	DERIVED FROM SAP				
Metering Details	CONVERTOR_SERIAL_NUMBER	DERIVED FROM SAP				
Metering Details	METER_SERIAL_NUMBER	DERIVED FROM SAP		/S59/S70/S75	/S64/S70/S75	/S07/S70/S
Offer Detail	OFFERED_DM_SHQ	RESPONSE		/S64	/S64	/S07
Optional Commodity Charge	SITE_COMPONENT_SOQ	DERIVED FROM SAP	Null	/S64/S70/S75/U71		/S07/S70/S
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
Settlement Rate	LDZ_CAPACITY_CHARGE_RATE	DERIVED FROM SAP		/S64	/S64	/S07
Special Metering Detail	CAC_CORRECTOR_ASSET_CHARGE_I	DERIVED FROM SAP		/S64/S70/S75/U75		/S07/S70/S
Supply Point Detail	CONFIRMATION_EFFECTIVE_DATE	FROM FILE	Sourced from CSS			/S07
Supply Point Detail - Previous	CURRENT_SMP_SOQ	DERIVED FROM SAP		/S59		
Supply Point Detail - Previous	PREVIOUS_SUPPLIER_SHORT_CODE	DERIVED FROM SAP				

KEY	
NMR	
NRF	
CFR	
TRF	
MRI	
PAC	

# Data Groupings Identified: Summary – (Unchanged 06/02)

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

	Existing Source	Future Source	Availability of Data					
			Enquiry (NMR)	Nomination (NMR)	Referral Response (NRF)	Confirmation Response (CFR)	Transfer of Ownership (TRF)	Meter Read Instruction (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		?		?	?	





**Topic for Conclusion: Large Site Contact Details**

# Large Site Contact Details

- Currently, Confirmations for Large Sites will not be accepted without Contact Details being provided
- Proposal to retain this conditionality as part of the [Base Registration Nomination] – aka Shell Record
- Where a Base Registration Nomination is not received, default rules will be required
  - Default is proposed to RETAIN Large Site Contact Details (not Null them as previously)
  - Controls will be required
    - So as not to release Contact Details to Supplier / Shipper who did not provide (or at all)
    - Controls to highlight data not updated
- Note: Default rule for Priority Services Register is still Null details at Registration Event

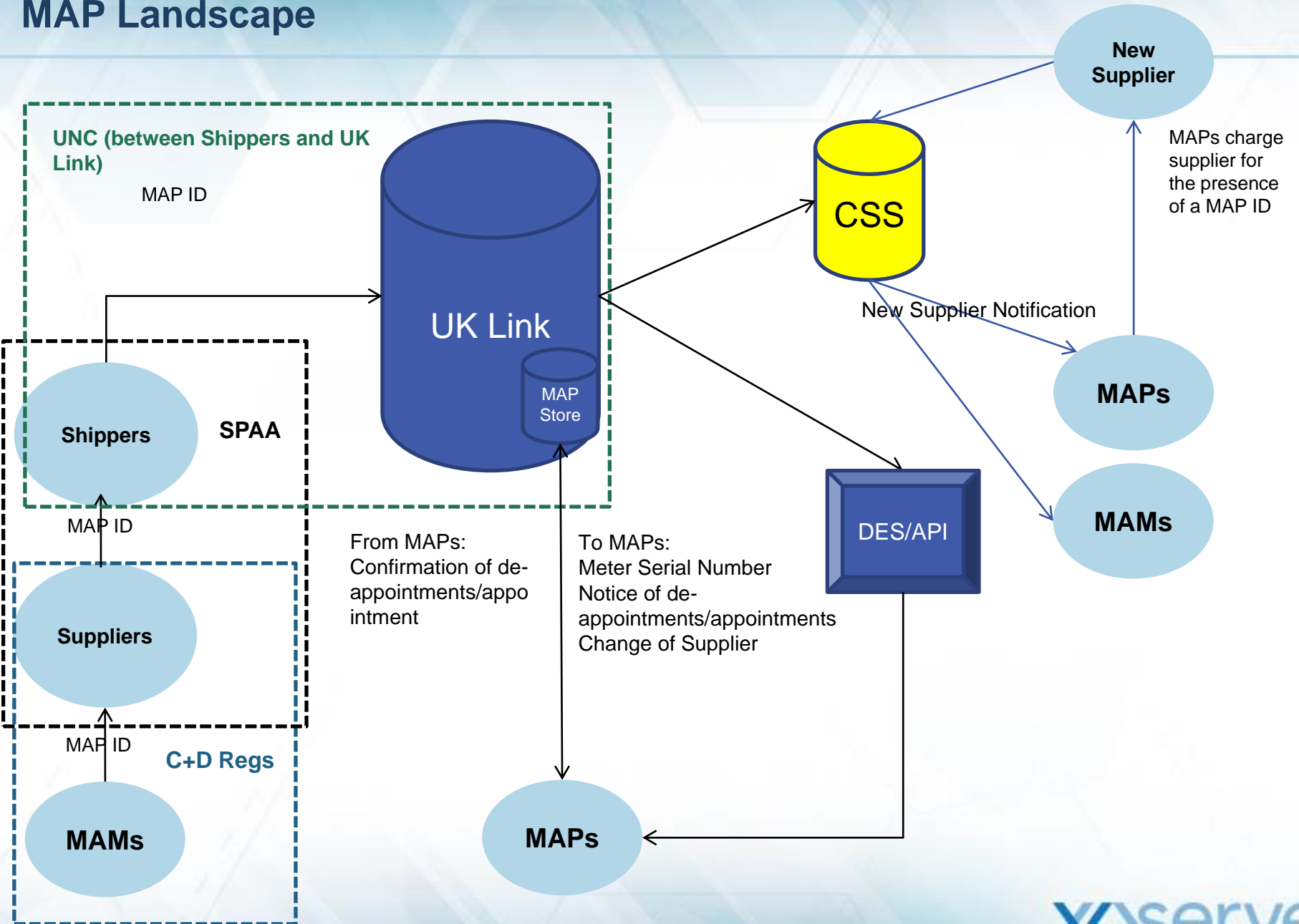


**For Information - MAP Id - Update**

# 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





**For Information - REC Enquiry Schedule – Impacts to UNC**

# Enquiry Schedule

- First draft of Enquiry Schedule has been made available to RDUG
- Comments invited from RDUG
  - Any observations?
- Expected that the Data Items listed here will include Retail and Wholesale data
  - Are there any remedies that you would want to consider? E.g. Mastering of data in UNC
- Expected that the Schedule will indicate that the REC will grant access to parties
  - If there is data mastered in UNC, what would you expect to see prior to a party being granted access?
- Expected to be consulted on in next REC consultation – [April 2019]



**For Information - Market Participant Identity Process –  
Migration to UNC**



# Governance Approach

- A separate UNC Modification (not in the SCR) as the migration is planned in advance of REC v2.0 go live
- Guidance Document developed as part of the UNC / SPAA Joint Working Group
  - Will be included in the Modification, subject to WG development?
  - 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
- CDSP will report to DSC Committees (noting that additional parties may be impacted beyond Core DSC parties)