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iGT End to End Process Walkthrough

25th November



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Stakeholder End to End Process Walkthrough

An information only call out.

Denotes a change in the process.

A BRD reference.

iGT specific call-out.

Xserve



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 File Changes – No change

 File Changes - Minor

 File Changes - Medium

 File Changes – Major

 File Change s - New

 IGT File

Application forms will be online and will be submitted via email.

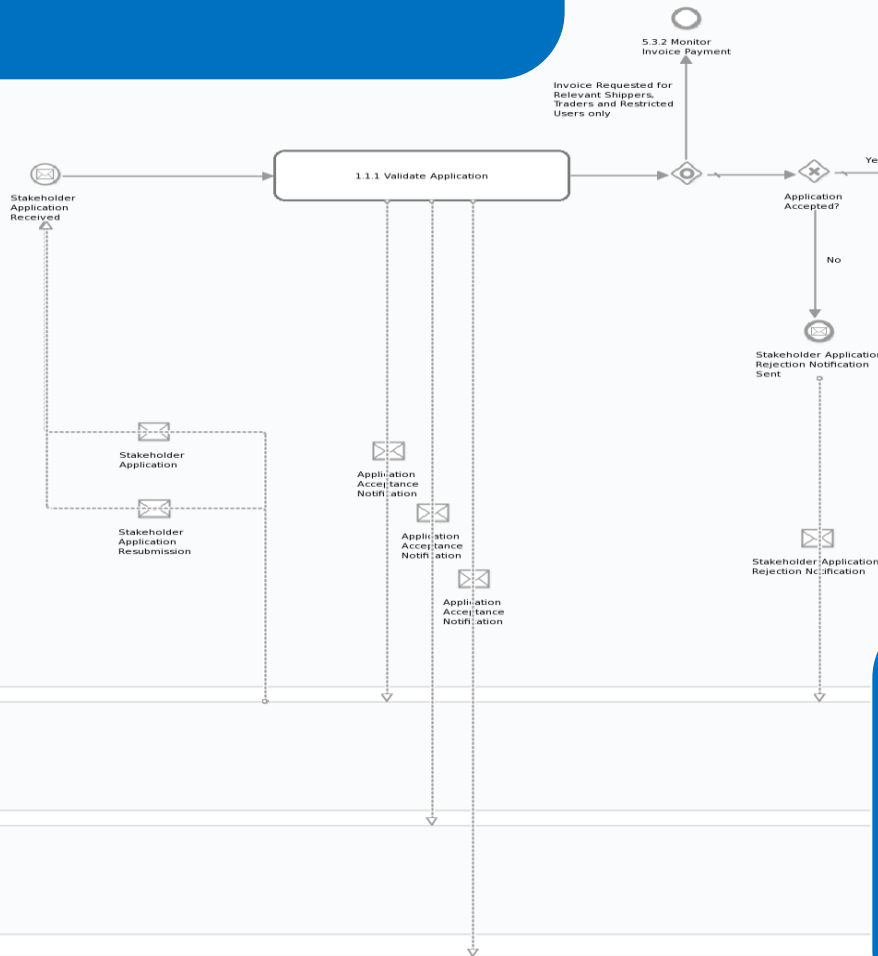
Xoserve administrator access to iGT and GT UNC.

Xoserve

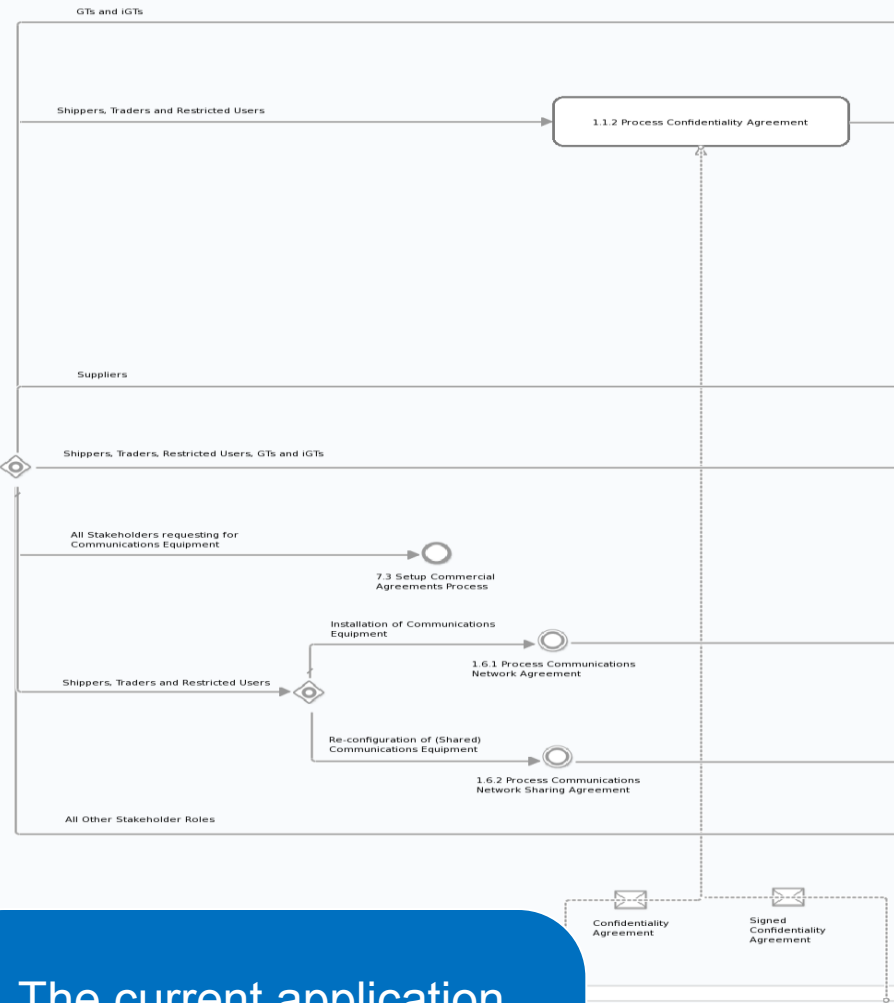
Stakeholder

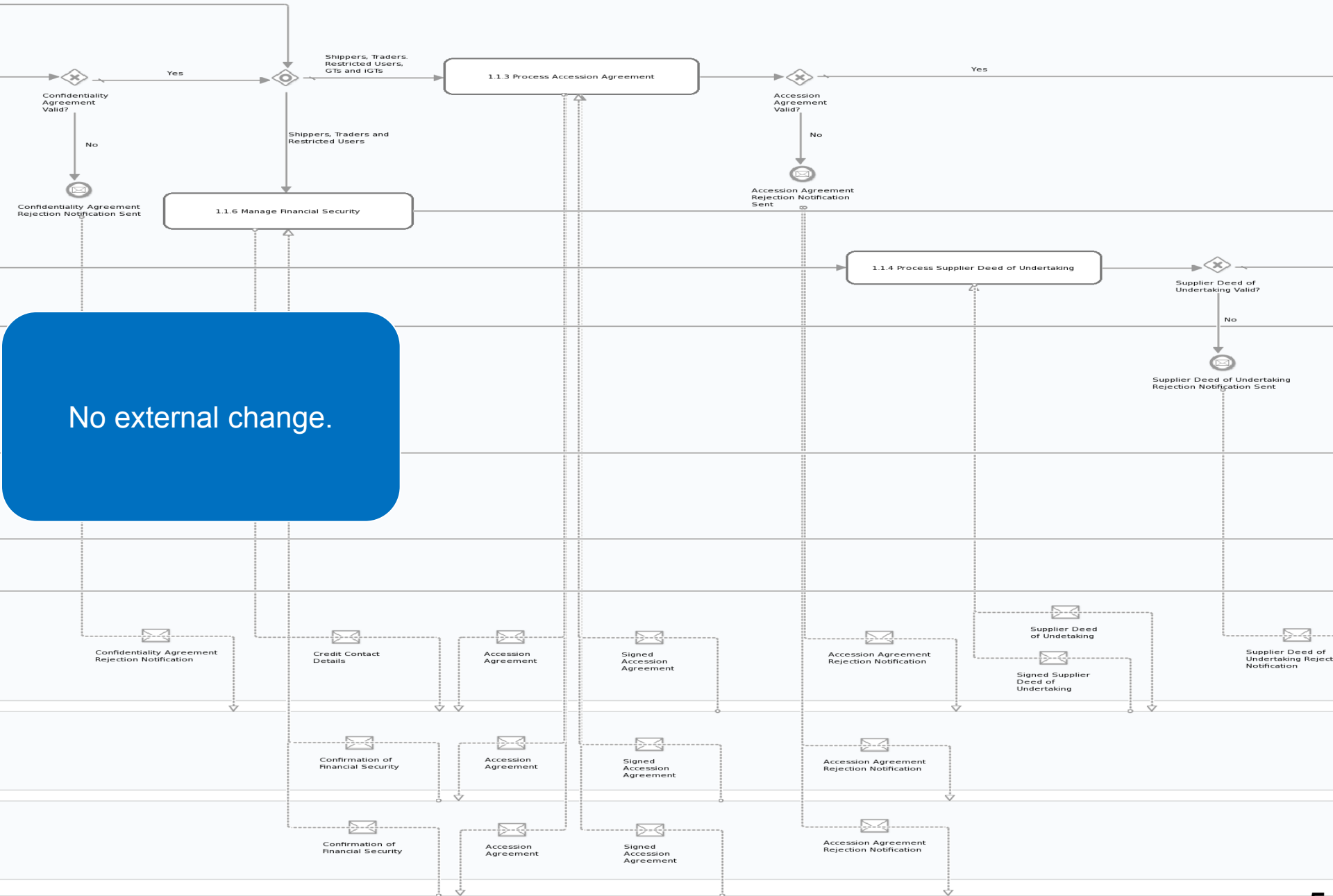
GT

iGT

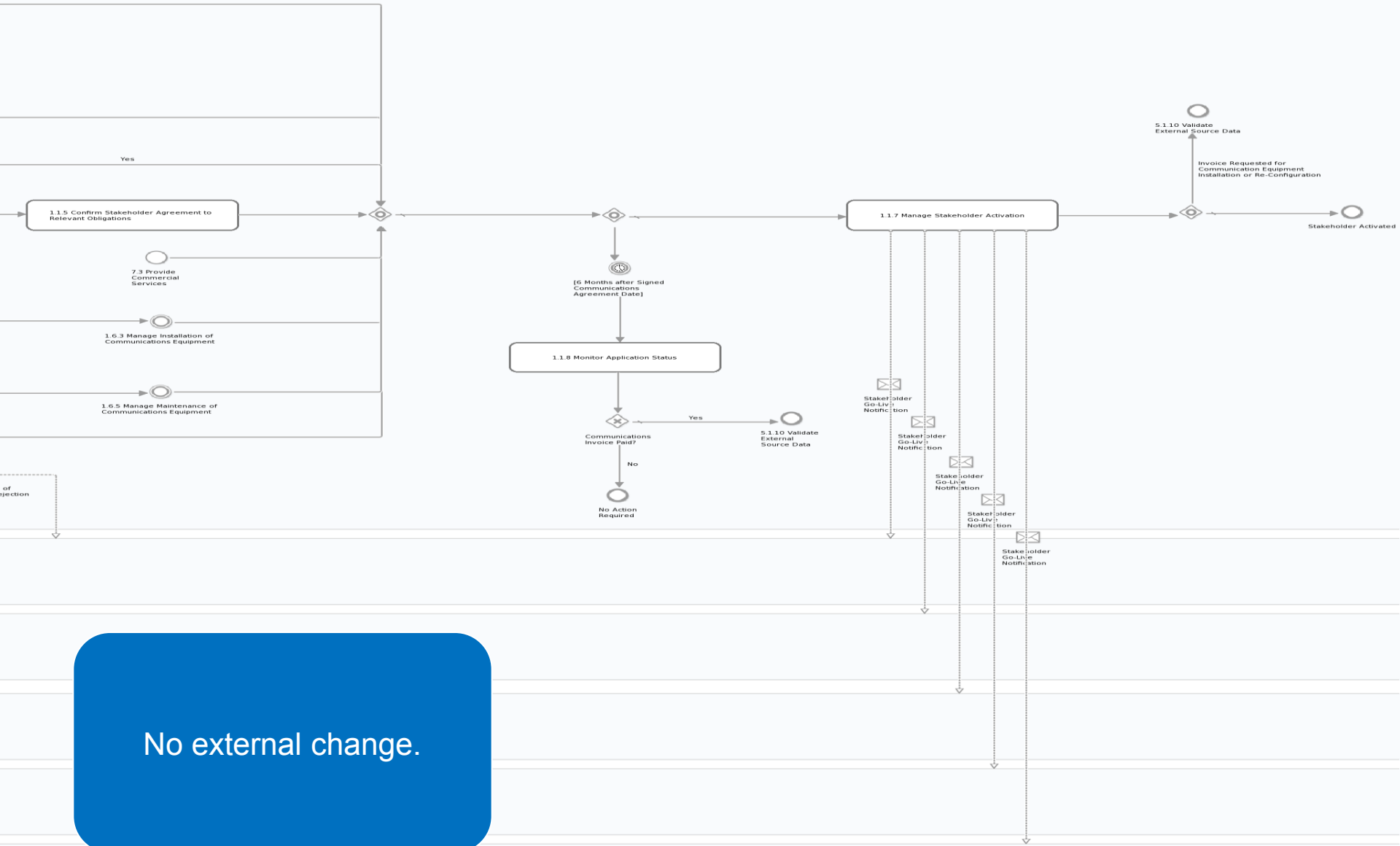


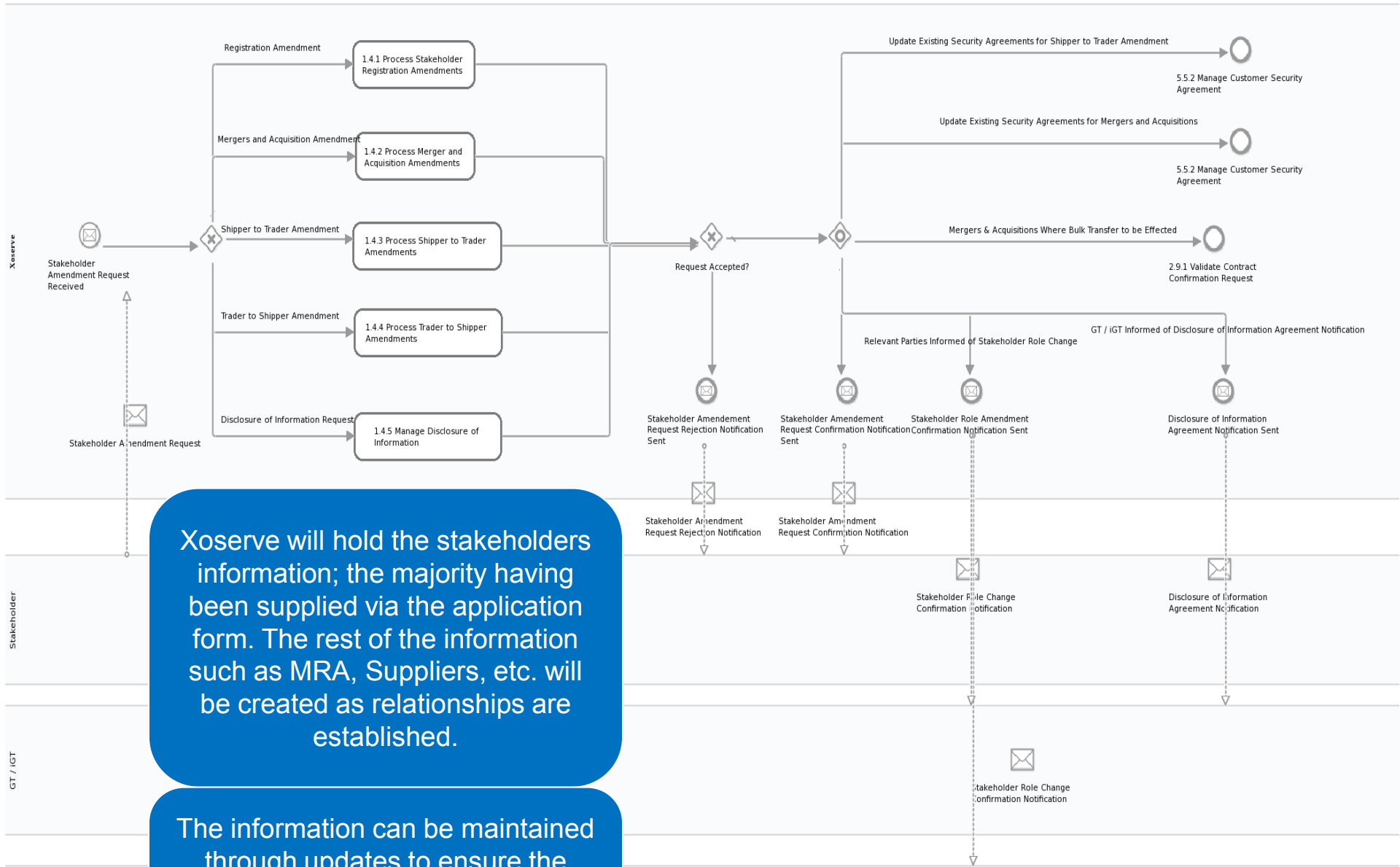
The current application forms are being reviewed to ensure the correct information is being submitted.





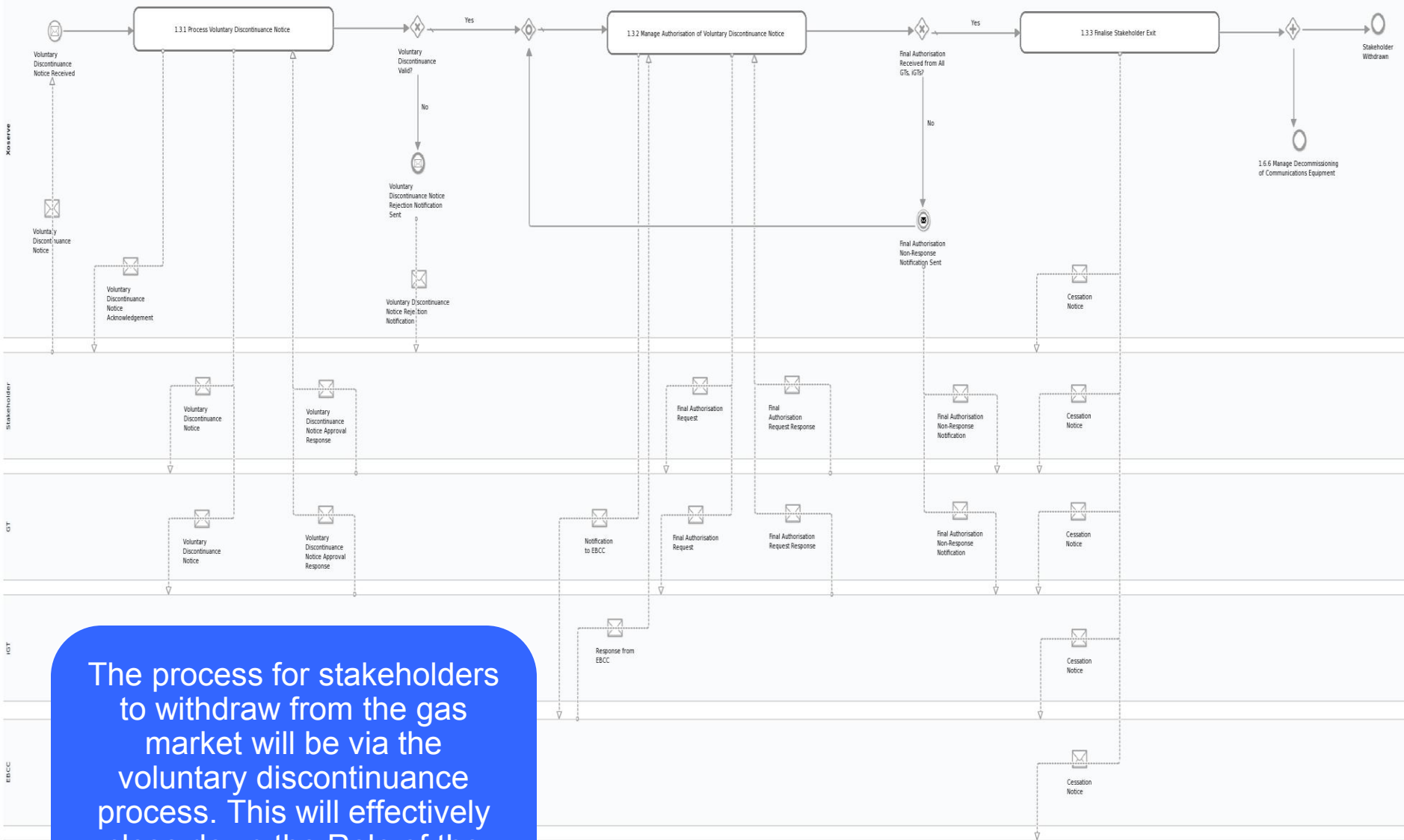
No external change.





Xoserve will hold the stakeholders information; the majority having been supplied via the application form. The rest of the information such as MRA, Suppliers, etc. will be created as relationships are established.

The information can be maintained through updates to ensure the information is accurate and reflective of the stakeholders information and relationships.

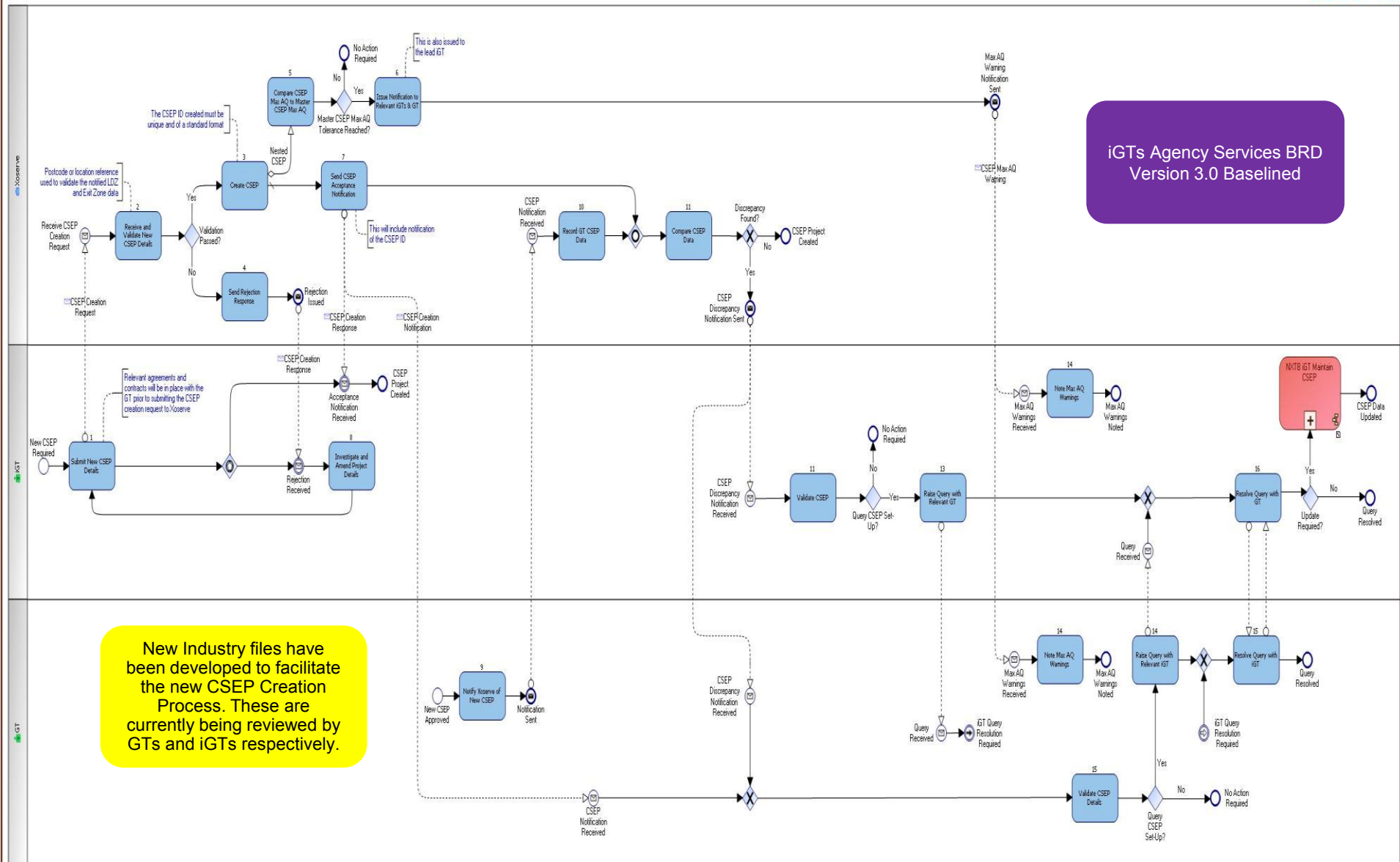


The process for stakeholders to withdraw from the gas market will be via the voluntary discontinuance process. This will effectively close down the Role of the Stakeholder.



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CSEPs Creation Process Walkthrough



iGTs Agency Services BRD
Version 3.0 Baseline

New Industry files have been developed to facilitate the new CSEP Creation Process. These are currently being reviewed by GTs and iGTs respectively.

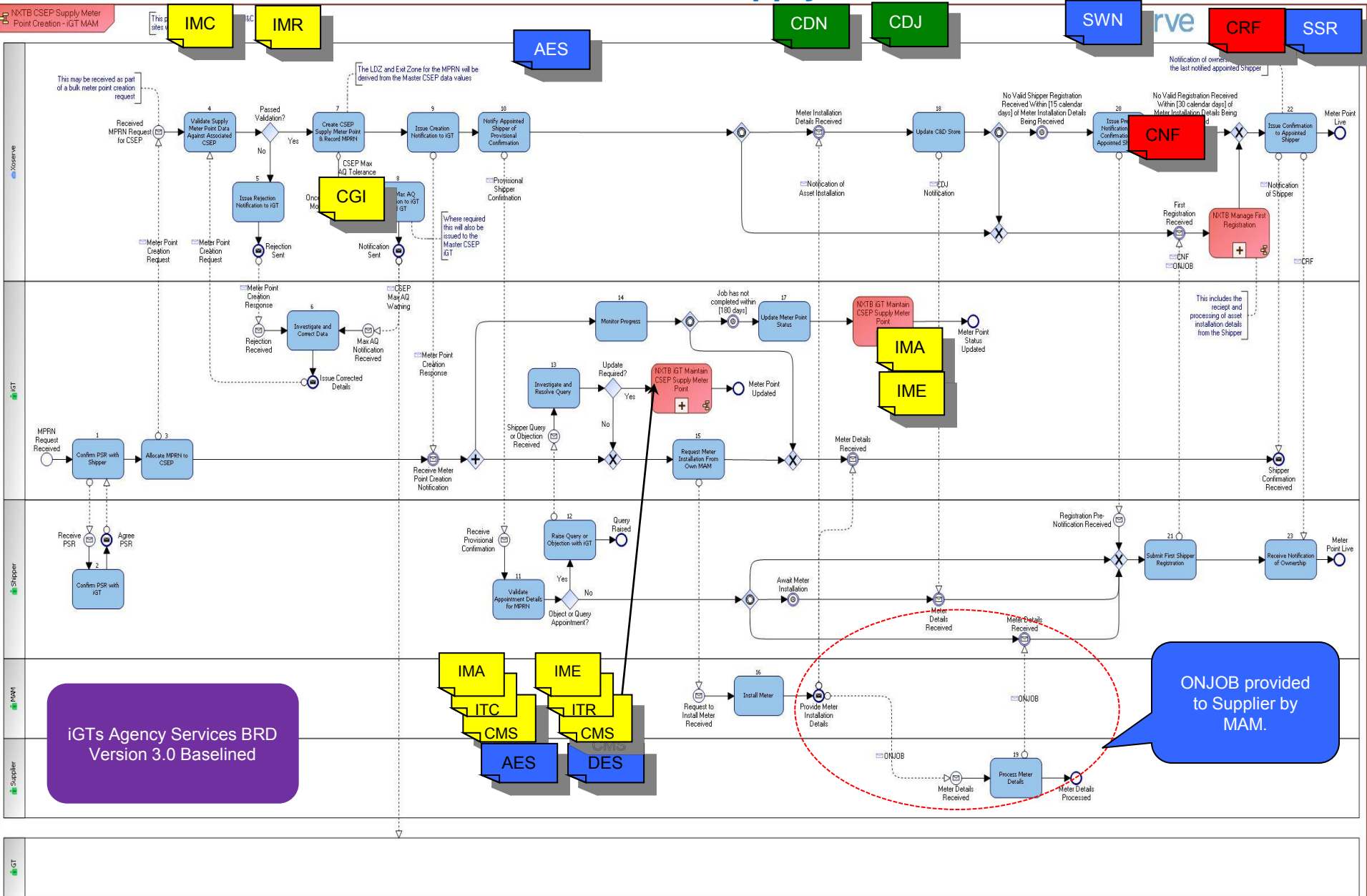
Version Control	
Created by:	
Version No:	2.1
Status:	Draft
Date updated:	18/02/2014
Updated by:	Michael Pytky



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iGTs Supply Meter Point Creation Process Walkthrough

CSEP Supply Meter Point Creation – iGT MAM

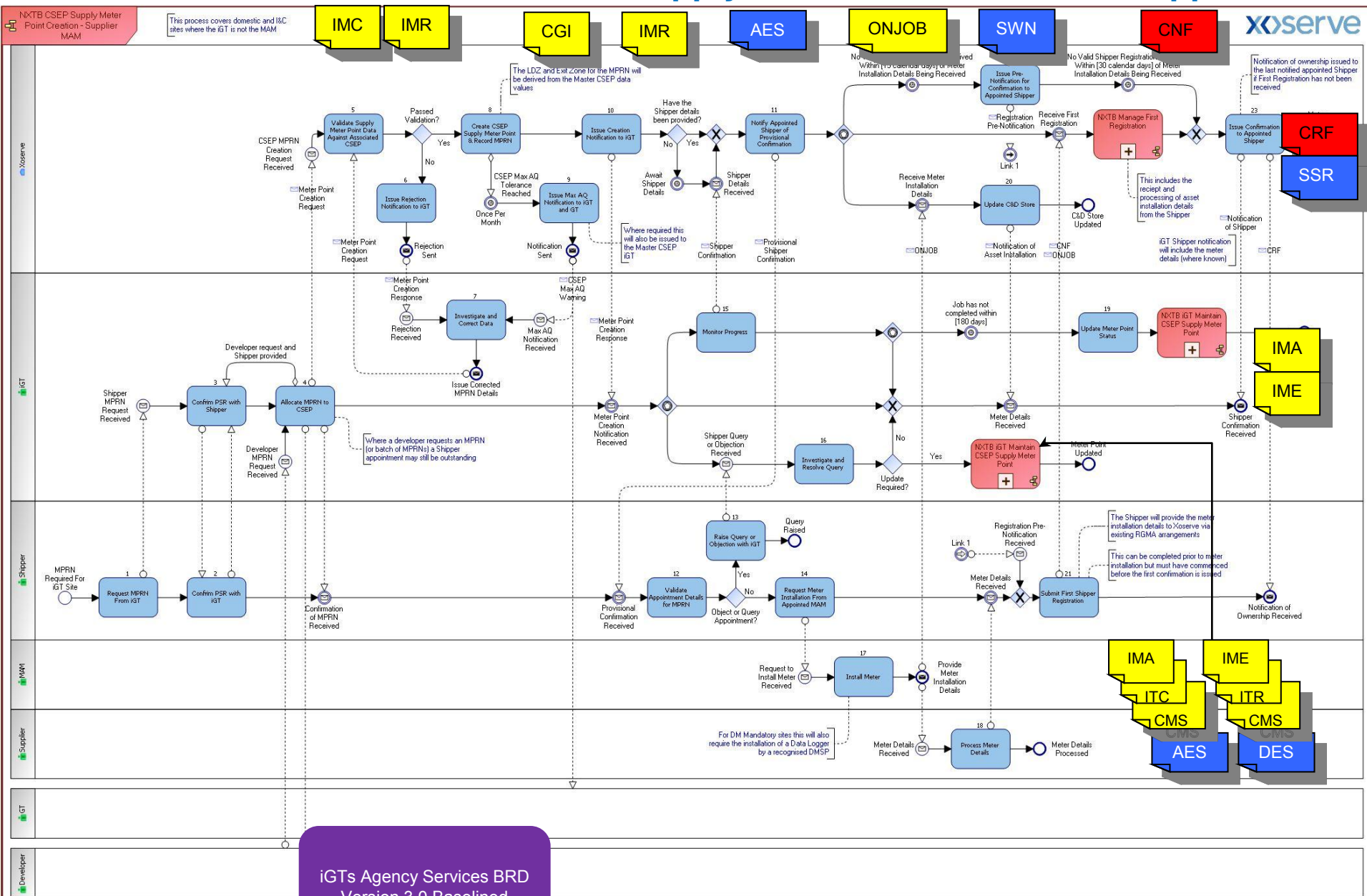


iGTs Agency Services BRD
Version 3.0 Baseline

ONJOB provided to Supplier by MAM.

Version Control	
Owned by:	
Version No:	2.3
Status:	Draft
Date updated:	26/01/2014
Updated by:	Michael Pyley

CSEP Supply Meter Point Creation – Supplier MAM



iGTs Agency Services BRD
Version 3.0 Baseline

Version Control	
Owned by:	2.2
Version No:	Draft
Status:	14/06/2012
Date updated:	Michael Paisley
Updated by:	



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Supply Point Transfer End to End Process Walkthrough

Shipper

Xoserve

Enquire against all registered Supply Points via the enquiry file (S47).

NMR
S78,S68,S72

NMR
S59,S70,S75,S98
Q44 & Q51

NOM
S47,S68

New feature within the existing enquiry file (S47) to submit a 'consumption request'.

Contract Enquiry Request

Contract Enquiry Request Received

2.6.1 Respond to Contract Enquiry Request

Supply Point Register BRD Ref: 8.4

Rejection Notice

Rejection Notification Sent

Is Contract Enquiry Request Valid?

Contract Information

Contract Information Sent

Response via (S59):

Response will include:

A maximum 12 months worth of history or the maximum available for the Supply Point. Volume will be provided in kWh

AMR Indicator

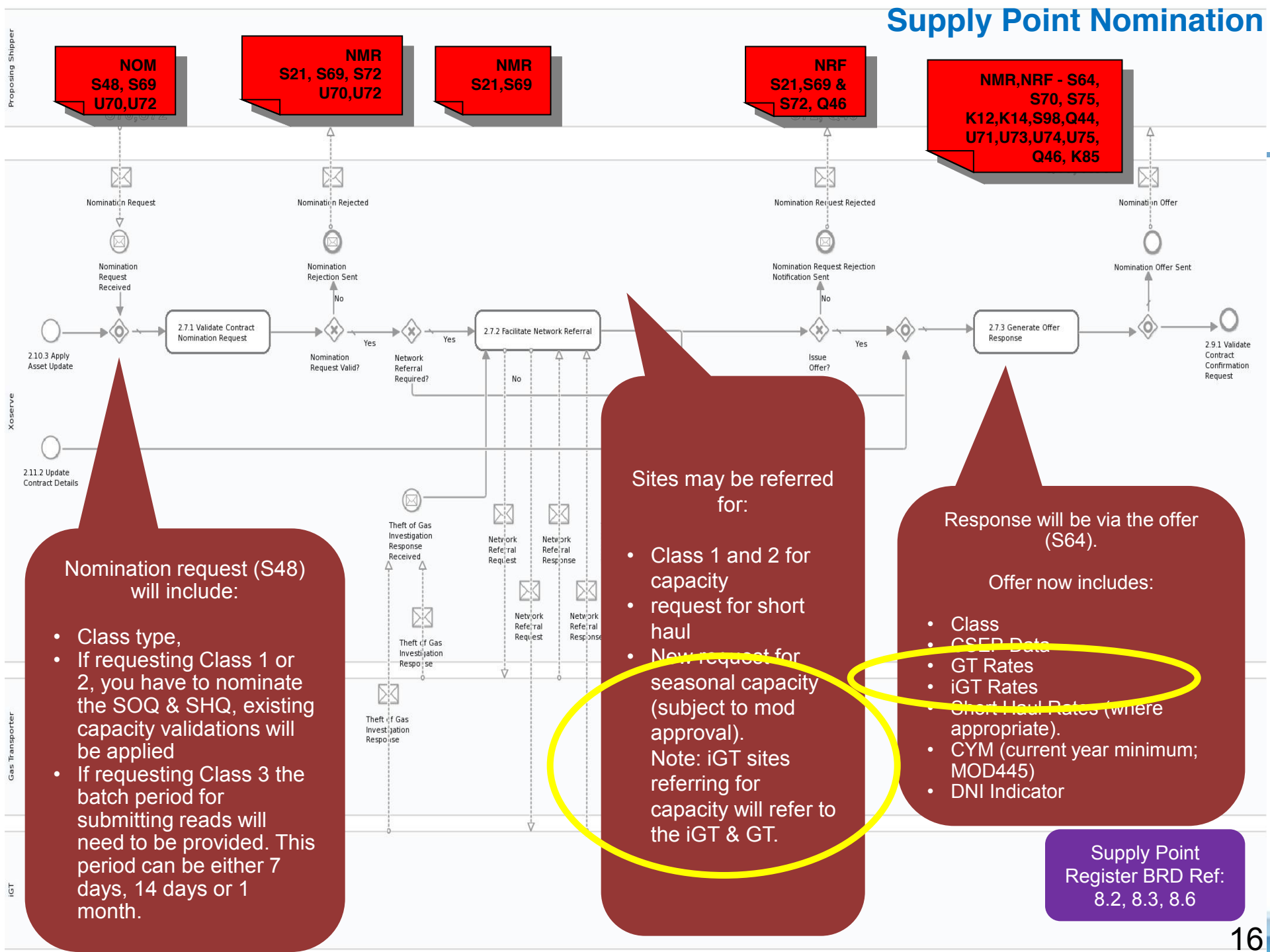
Batch Frequency (class 3)

Rolling and Formula Year AQ

SOQ for Class 3 & 4

DNI Indicator

Supply Point Nomination



Nomination request (S48) will include:

- Class type,
- If requesting Class 1 or 2, you have to nominate the SOQ & SHQ, existing capacity validations will be applied
- If requesting Class 3 the batch period for submitting reads will need to be provided. This period can be either 7 days, 14 days or 1 month.

Sites may be referred for:

- Class 1 and 2 for capacity
- request for short haul
- New request for seasonal capacity (subject to mod approval). Note: iGT sites referring for capacity will refer to the iGT & GT.

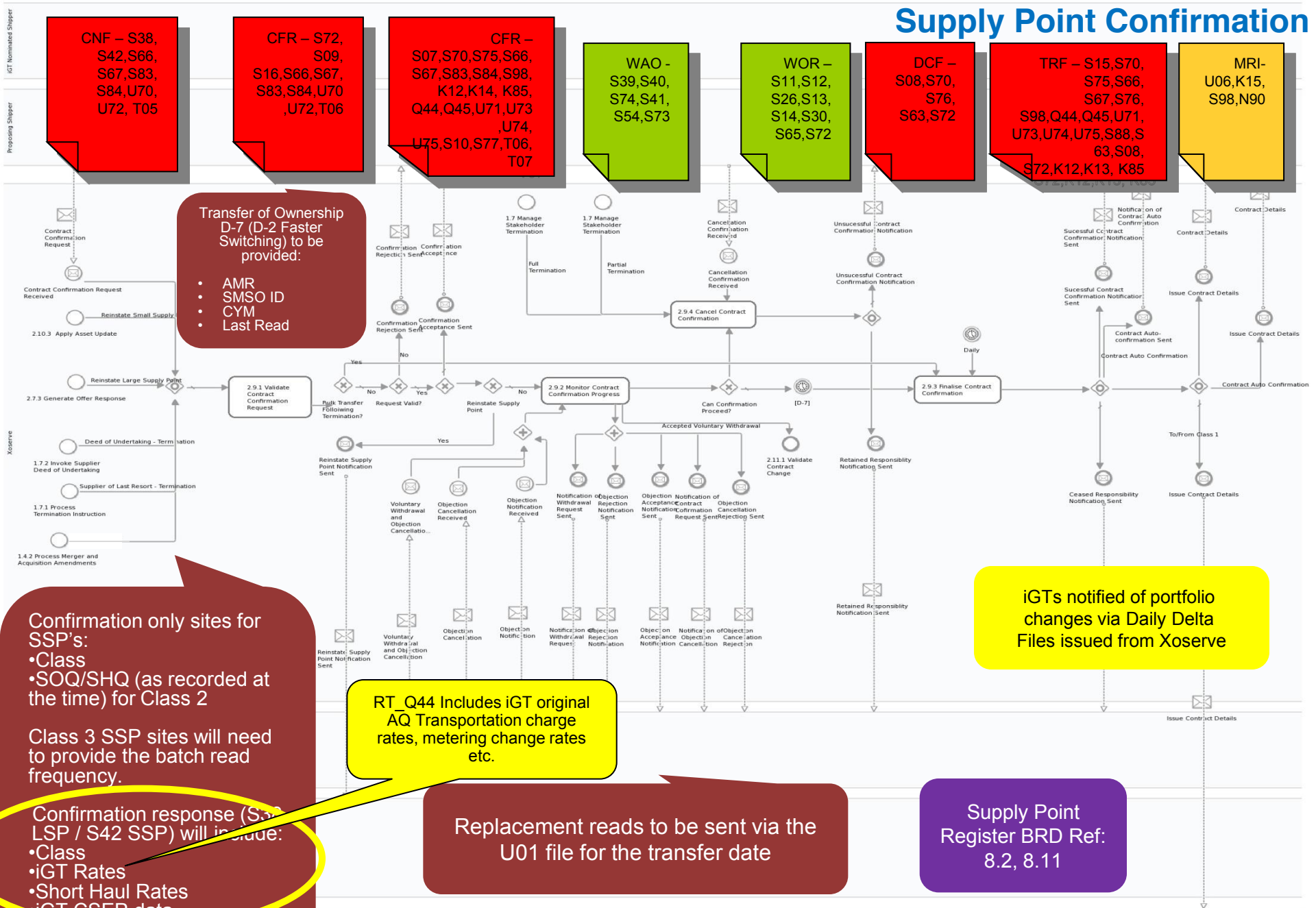
Response will be via the offer (S64).

Offer now includes:

- Class
- CSEP Data
- GT Rates
- iGT Rates
- Short Haul Rates (where appropriate).
- CYM (current year minimum; MOD445)
- DNI Indicator

Supply Point Register BRD Ref: 8.2, 8.3, 8.6

Supply Point Confirmation



CNF – S38, S42, S66, S67, S83, S84, U70, U72, T05

CFR – S72, S09, S16, S66, S67, S83, S84, U70, U72, T06

CFR – S07, S70, S75, S66, S67, S83, S84, S98, K12, K14, K85, Q44, Q45, U71, U73, U74, U75, S10, S77, T06, T07

WAO – S39, S40, S74, S41, S54, S73

WOR – S11, S12, S26, S13, S14, S30, S65, S72

DCF – S08, S70, S76, S63, S72

TRF – S15, S70, S75, S66, S67, S76, S98, Q44, Q45, U71, U73, U74, U75, S88, S63, S08, S72, K12, K13, K85

MRI – U06, K15, S98, N90

Transfer of Ownership D-7 (D-2 Faster Switching) to be provided:

- AMR
- SMSO ID
- CYM
- Last Read

iGTs notified of portfolio changes via Daily Delta Files issued from Xserve

RT_Q44 Includes iGT original AQ Transportation charge rates, metering change rates etc.

Confirmation only sites for SSP's:

- Class
- SOQ/SHQ (as recorded at the time) for Class 2

Class 3 SSP sites will need to provide the batch read frequency.

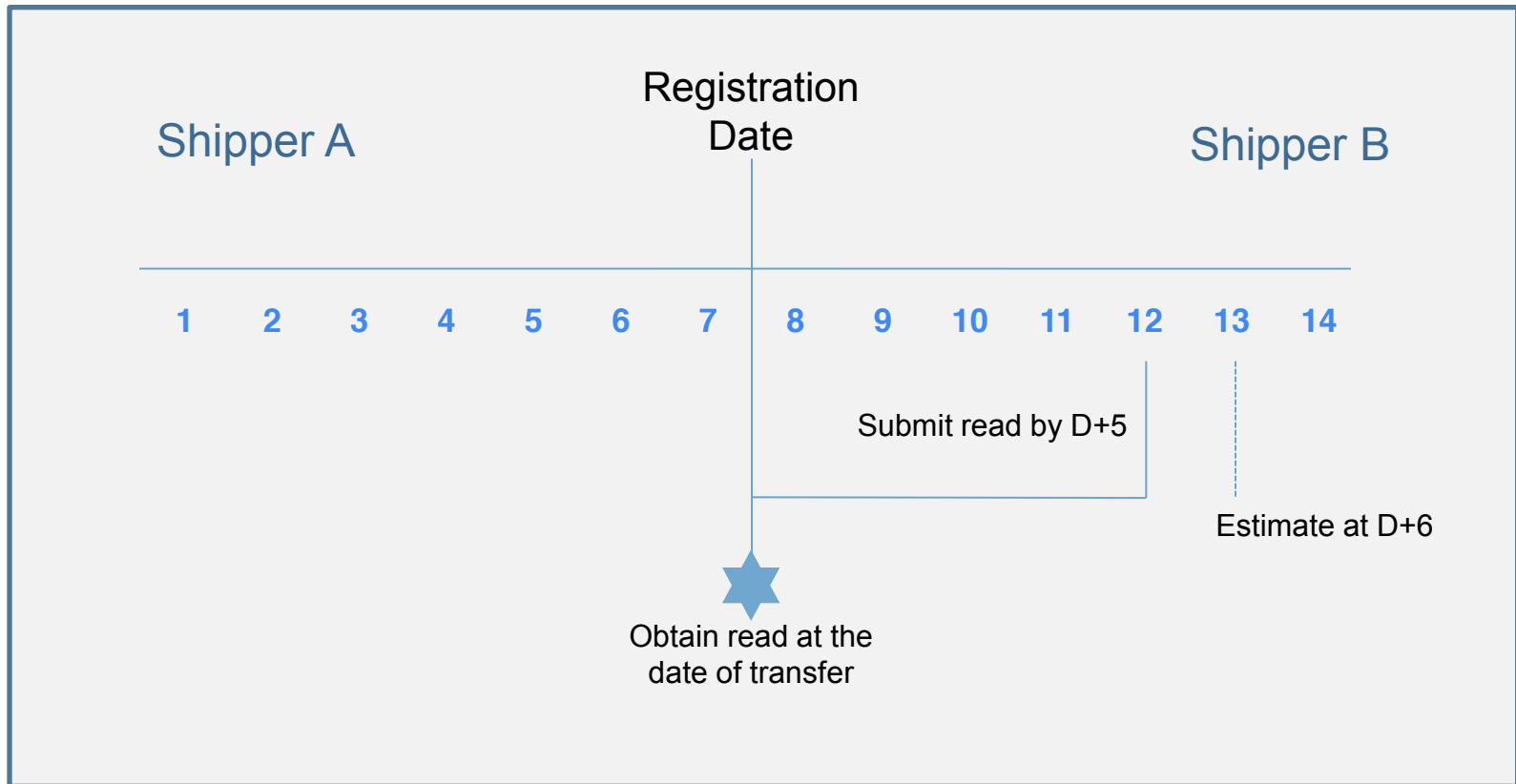
Confirmation response (S38 LSP / S42 SSP) will include:

- Class
- iGT Rates
- Short Haul Rates
- iGT CSEP data
- AMR indicator

Replacement reads to be sent via the U01 file for the transfer date

Supply Point Register BRD Ref: 8.2, 8.11

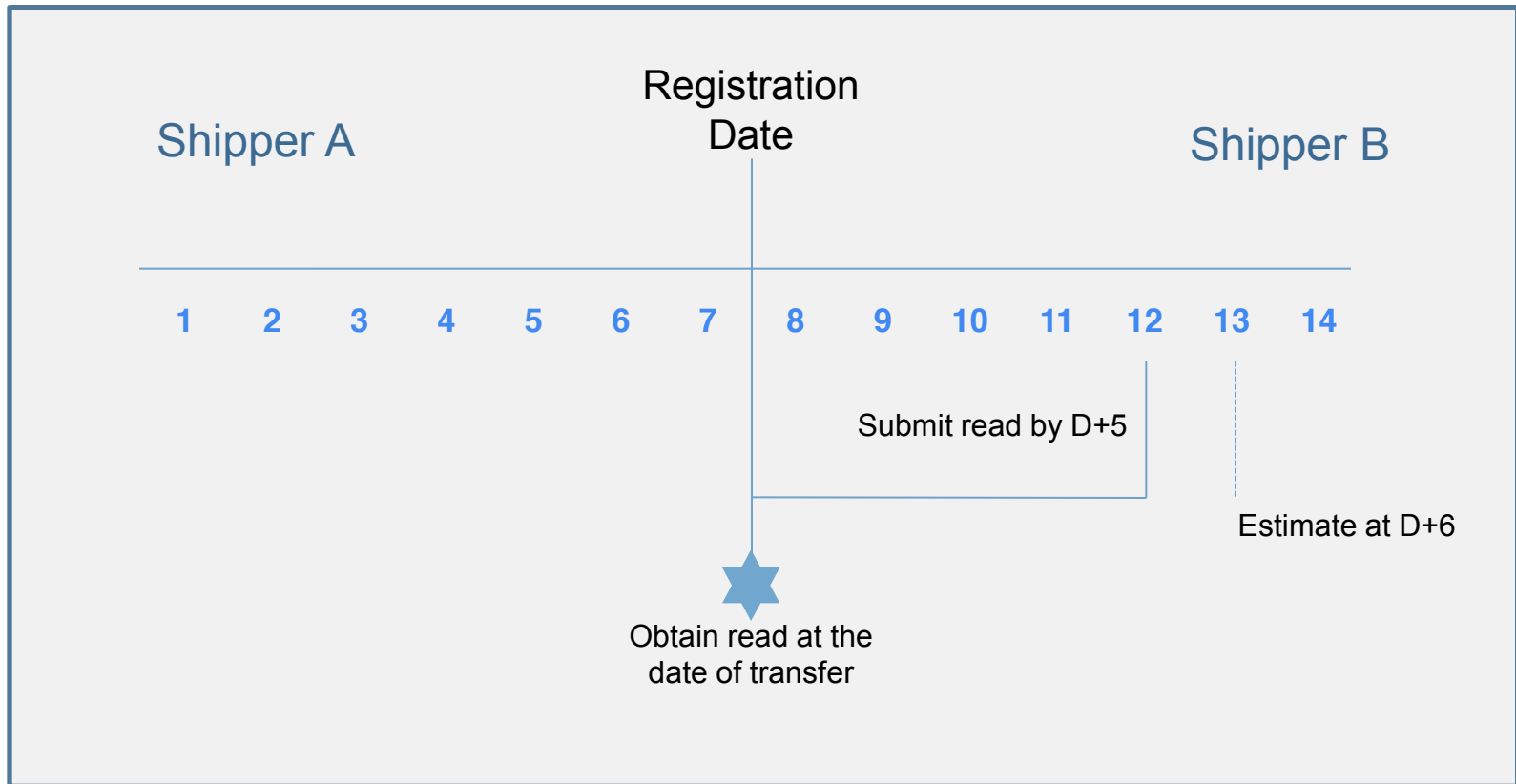
Note – For Shipper transfer but site remains in Class 1, DMSP will submit the transfer read to Xoserve.



The incoming or outgoing Shipper can challenge the Xoserve estimated read using the existing Shipper Agreed Reads Process (SARS).

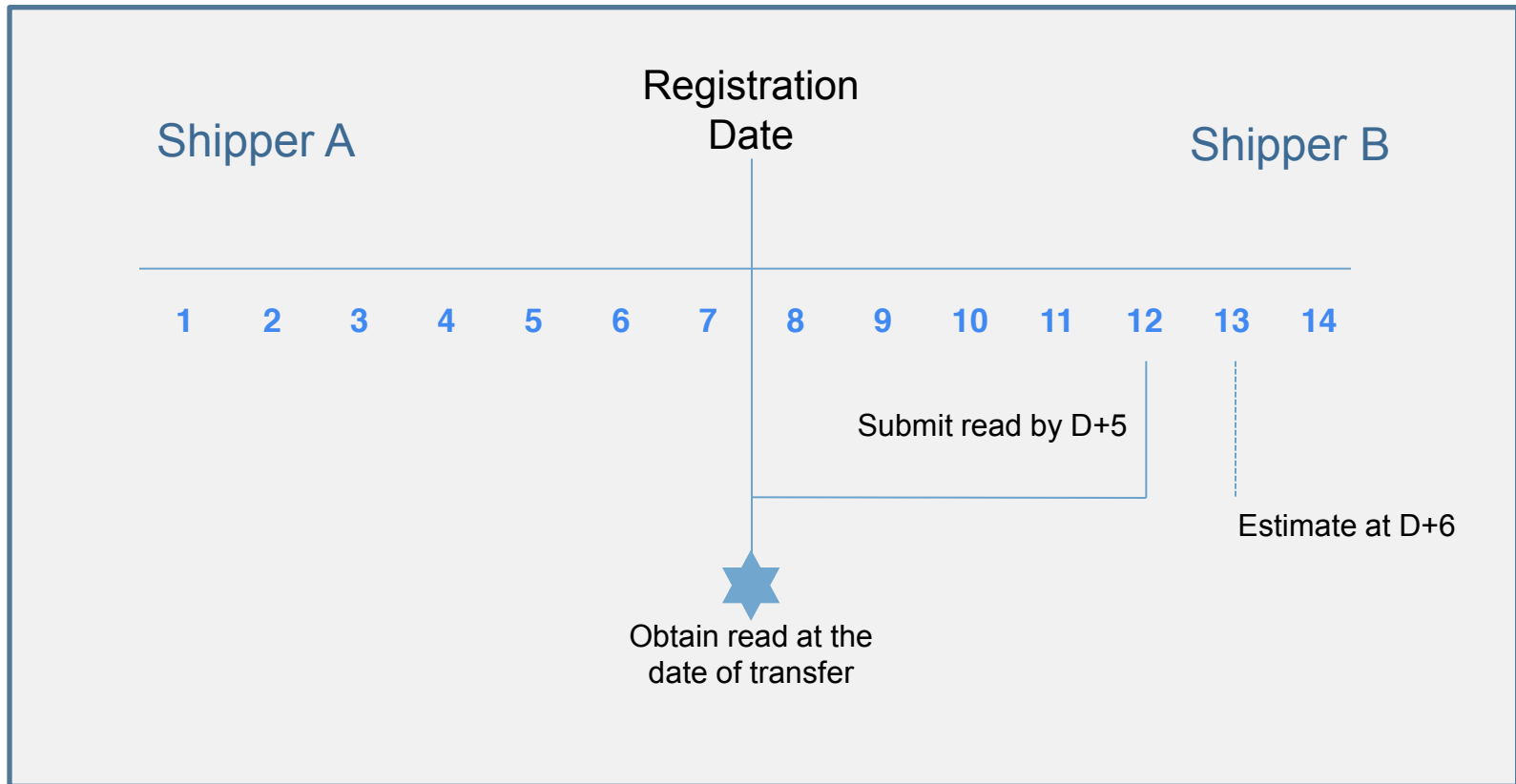
Valid transfer read will be issued to incoming/outgoing Shipper at D+1 of receipt.

Note – DMSP submits the transfer read.



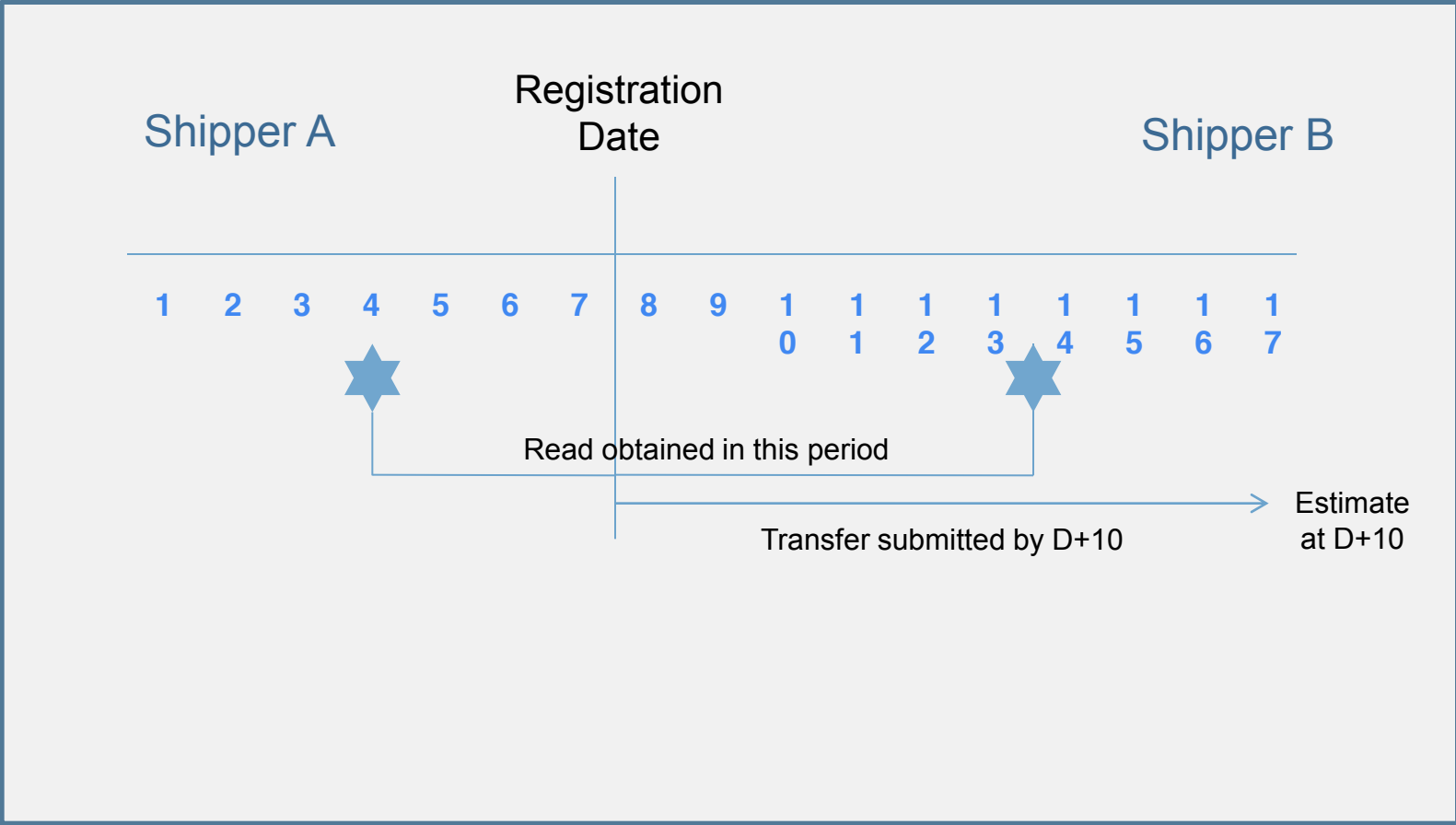
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Valid transfer read will be issued to incoming/outgoing Shipper at D+1 of receipt.



The incoming or outgoing Shipper can challenge the Xoserve estimated read using the existing Shipper Agreed Reads Process (SARS).

Valid accepted transfer read submitted by the incoming Shipper will be issued to the outgoing Shipper within D+2 of receipt.



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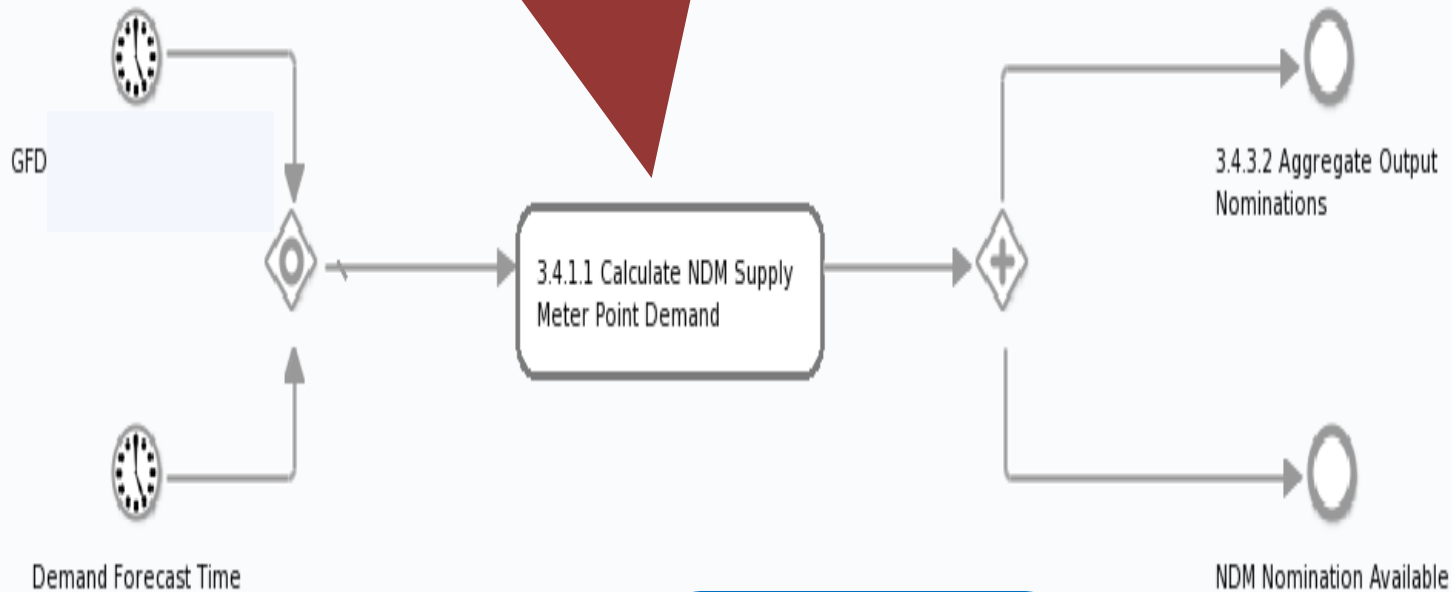
Gas Nominations & Allocations End to End Process Walkthrough

NDM Demand estimation formula; the formula will no longer use the Scaling Factor and will apply a Weather Correction Factor calculated from the Forecast Weather data.

Formula: $(AQ/365)*ALP*(1+[DAF*WCF])$

UNC Ref

H2.2- Formula
C2.5 – Principles of NDM Nominations



Note

There are no file formats associated with this Business Process.

Weather Correction Factor adjusts for the difference between the Daily Composite Weather Variable and the Daily Seasonal Normal Composite Weather Variable per LDZ.

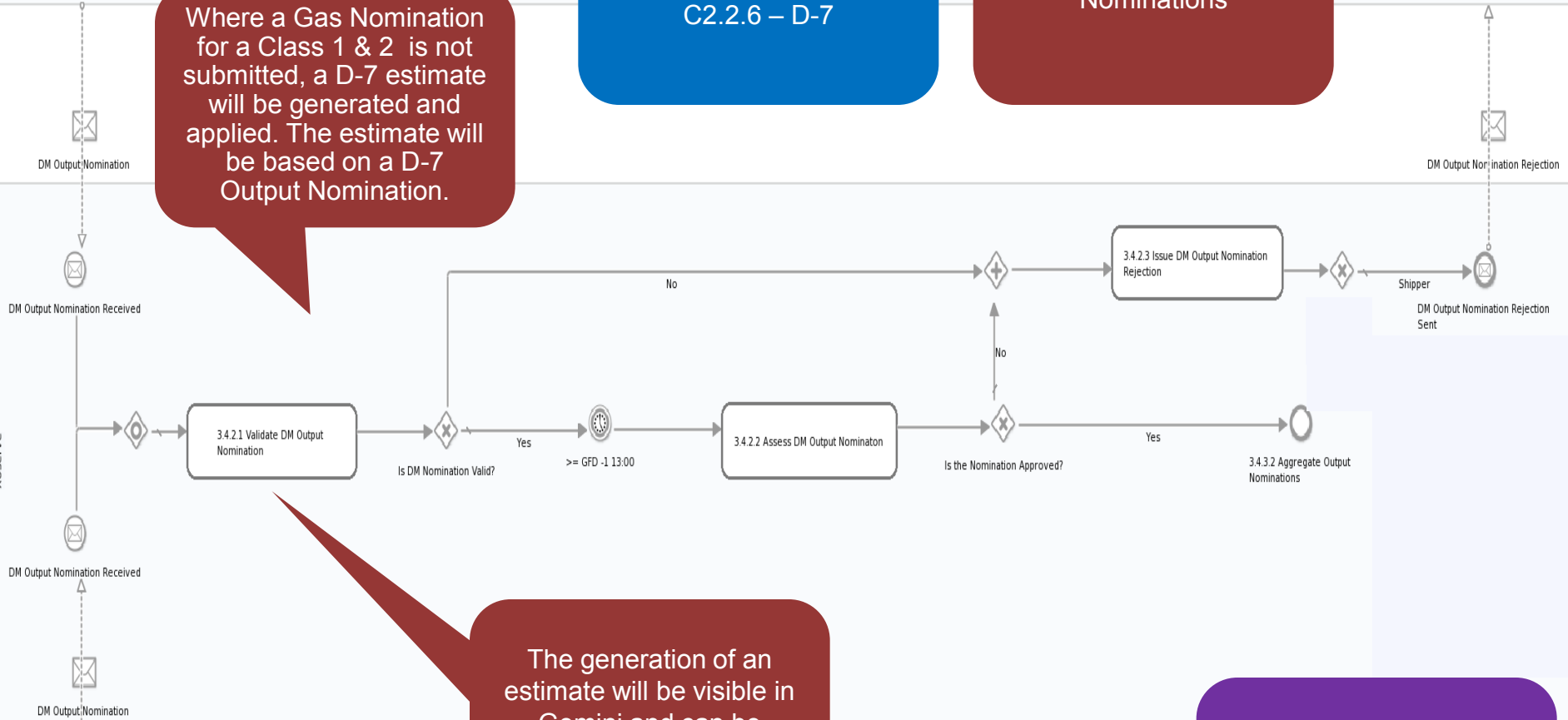
Settlement BRD Ref:
5.1, 5.3

Shipper

UNC Ref
C2.2.6 – D-7

Applicable to Class 1 & 2 Nominations

Where a Gas Nomination for a Class 1 & 2 is not submitted, a D-7 estimate will be generated and applied. The estimate will be based on a D-7 Output Nomination.



Note
There are no file formats associated with this Business Process.

The generation of an estimate will be visible in Gemini and can be replaced within the Gas Nomination timescales.

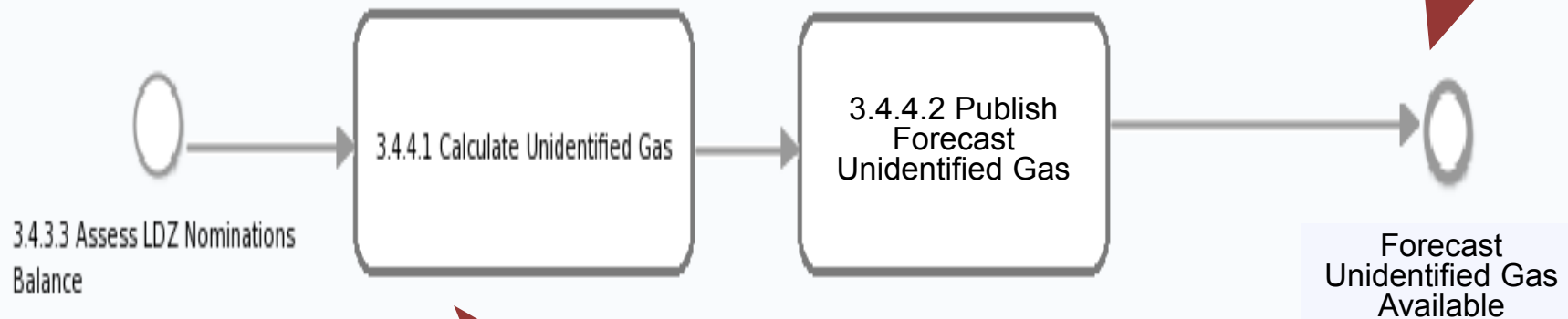
Settlement BRD Ref:
5.1.2

UNC Ref

H2.6 – Unidentified Gas

The Forecast Unidentified Gas will be apportioned to Shippers using the Allocation Adjustment Factors. A Unidentified Gas 'Meter ID' will be created per Shipper per LDZ / Exit Zone.

Xoserve



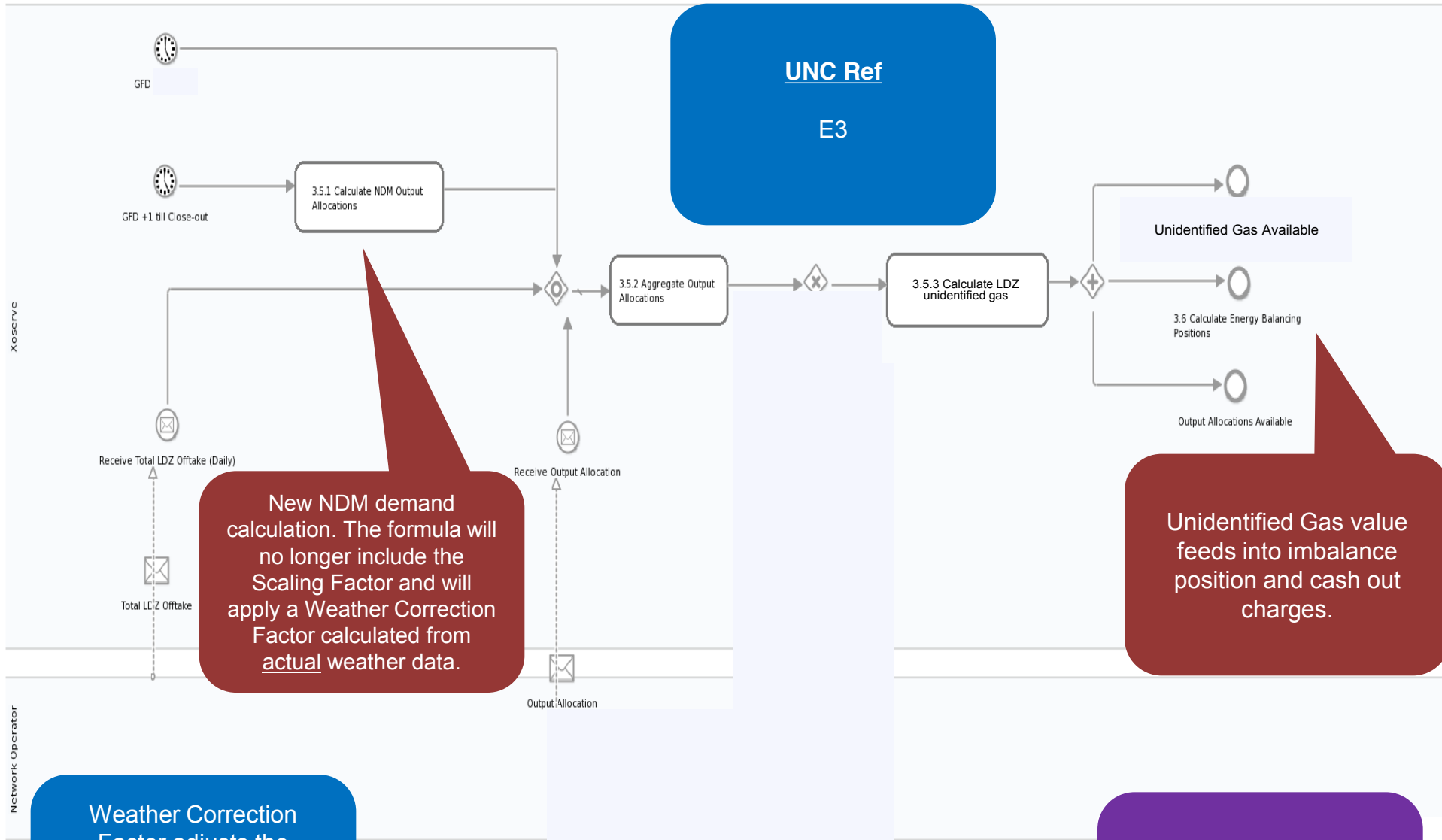
The LDZ Forecast Unidentified Gas is calculated at D-1 for the Gas Flow Day.

Calculation

$\text{LDZ Forecast Demand} - (\text{LDZ shrinkage} + \text{Total DM Nominations} + \text{Total NDM Nominations})$

Settlement BRD Ref:
5.4

UNC Ref E3



New NDM demand calculation. The formula will no longer include the Scaling Factor and will apply a Weather Correction Factor calculated from actual weather data.

Weather Correction Factor adjusts the difference between the daily CWV and the daily seasonal normal CWV per LDZ.

Unidentified Gas value feeds into imbalance position and cash out charges.

Settlement BRD Ref: 5.3

Xoserve

3.5.2.4 Assess LDZ Allocations Balance

The Allocated Unidentified Gas will be apportioned to Shippers using the Allocation Adjustment Factors.

UNC Ref
E1.1.6
E1.1.7

3.5.3.1 Calculate Unidentified Gas

The LDZ allocated Unidentified Gas is calculated at D+1 for the Gas Flow Day.

Calculation:
LDZ Demand – (LDZ Shrinkage + Total DM Allocations + Total NDM Allocations)

3.5.3.2 Publish Allocated Unidentified Gas

Settlement BRD Ref:
5.4

Allocated Unidentified Gas Available

3.6.7.2 Calculate LDZ Energy Imbalance

3.6.7.4 Calculate Total Shipper Outputs

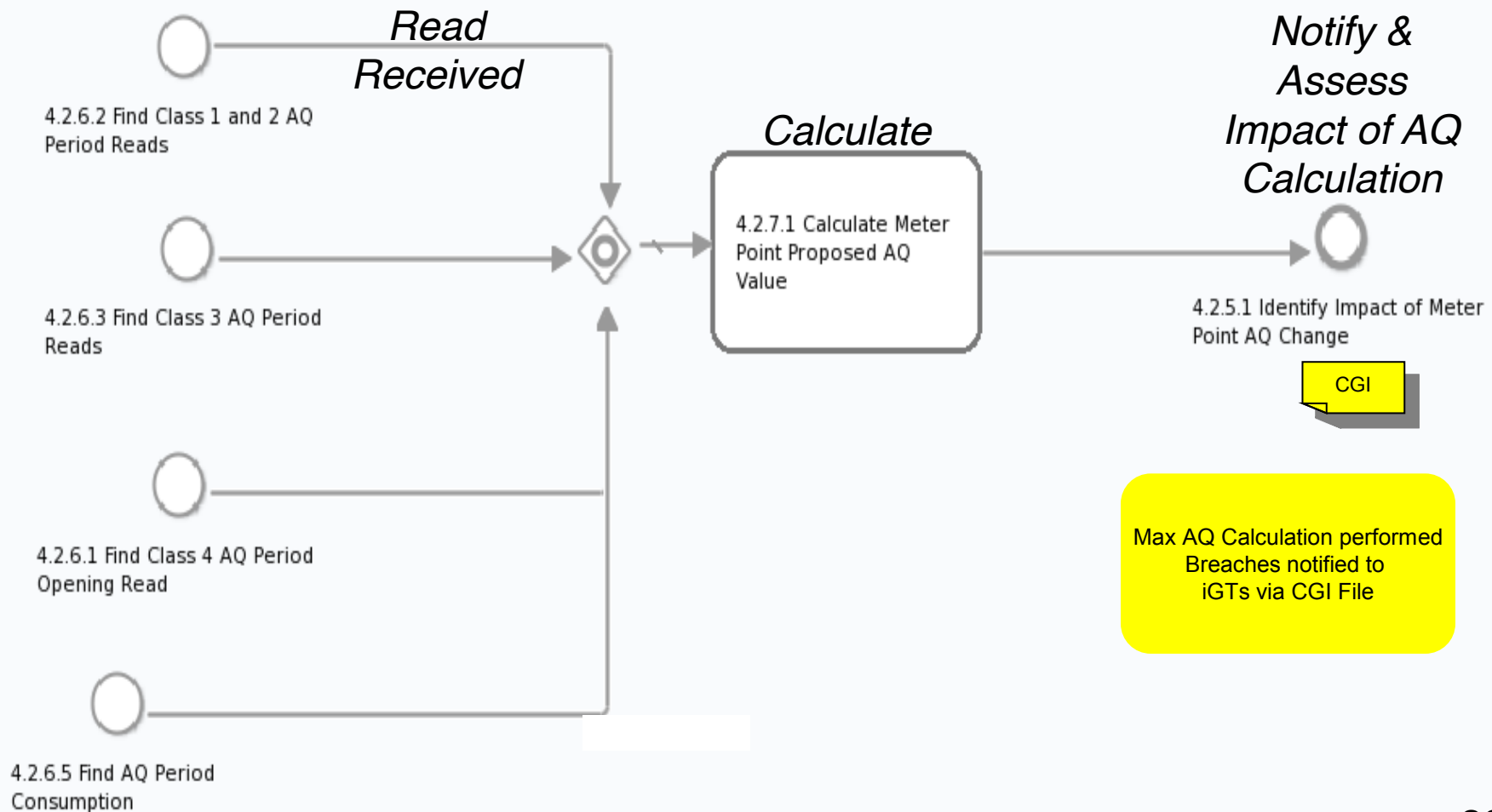


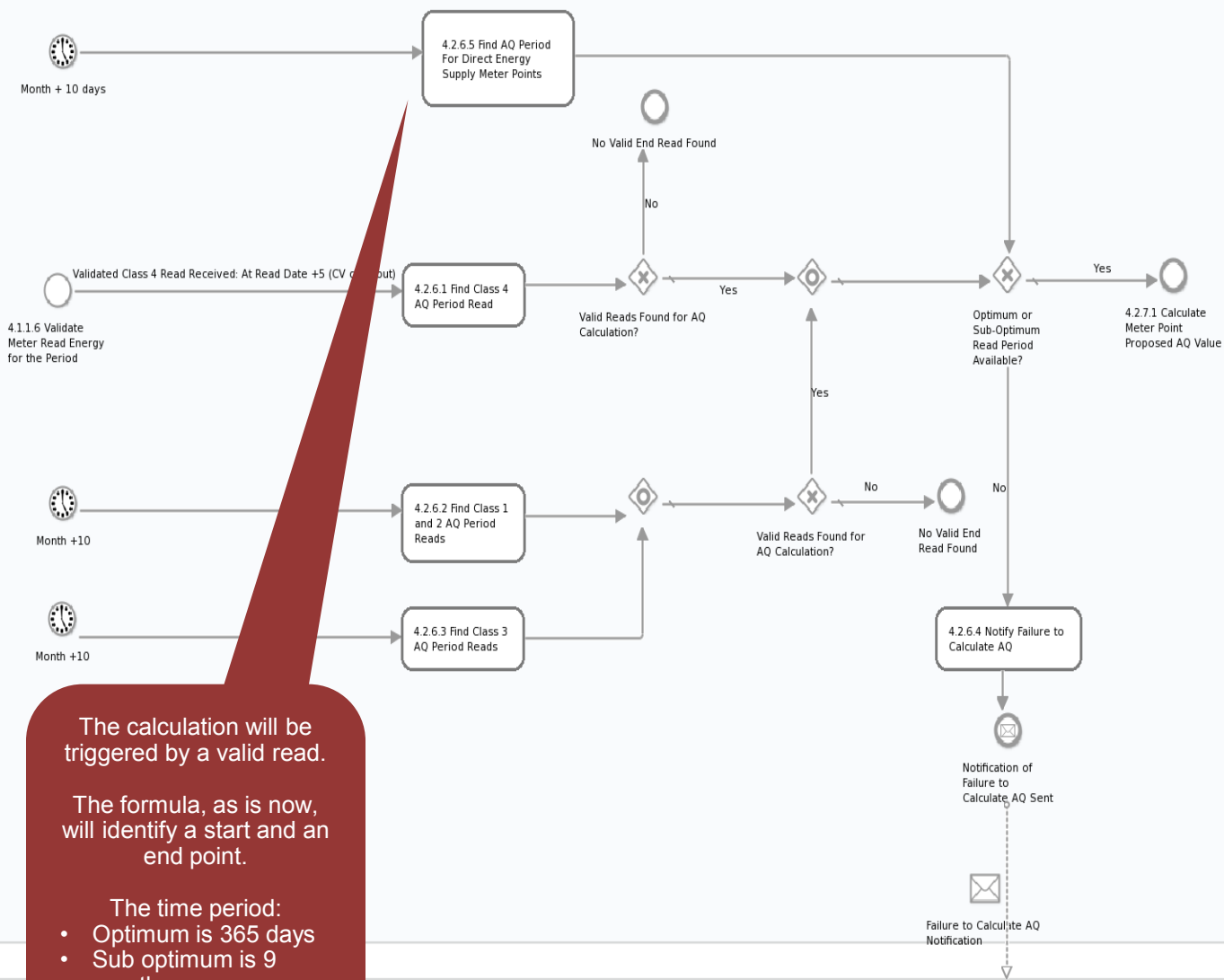
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Annual Quantity End to End Process Walkthrough

With the submission of a valid read, the read will have been received from the 11th of the previous month to the 10th of the current month (calendar days).

Xoserve





The calculation will be triggered by a valid read.

The formula, as is now, will identify a start and an end point.

The time period:

- Optimum is 365 days
- Sub optimum is 9 months
- Maximum is 36 months

BRD Ref – 8.3.1

Isolated Supply Meter Points will not calculate an AQ.

The current AQ (last calculated) will continue to apply (carry forward).

Where the Isolated Supply Meter Point is re-established the period of isolation shall be excluded from the AQ metered period for the purposes of calculation.

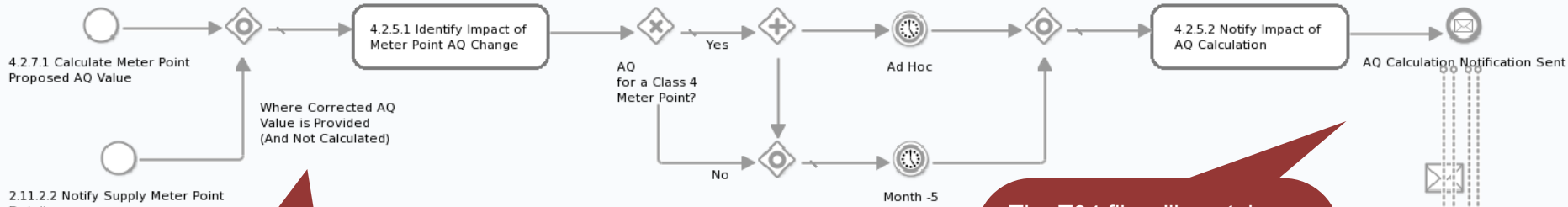
BRD Ref – 8.3.4

New Supply Meter Point will not be eligible for an AQ calculation for a period of 9 months. Reads can be loaded but will not be used until 9 months and then the next read will trigger the calculation and is only successful if there are sufficient reads within that time.

BRD Ref – 8.3.5

Xserve

Shipper



T04 will hold:

- The exceptions (failures to calculate)
- The calculated AQ values

BRD Ref – 8.12.2

All notifications of AQ values and the impacts of AQ will be communicated [M-5].

BRD Ref – 8.12

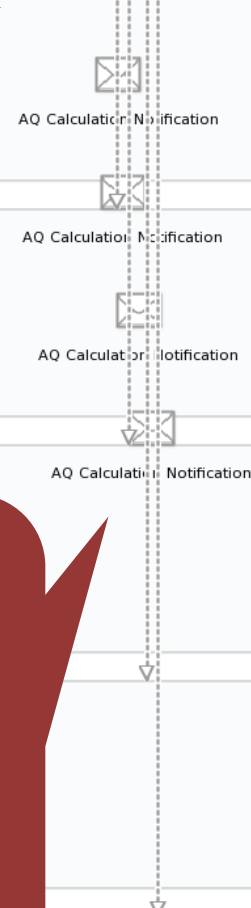
The T04 file will contain existing data items plus some new data items, including:

- Back stop date
- Billable AQ and SOQ
- Formula year start date
- Offer number
- Etc.

BRD Ref – 8.12

There are a number notification files generated due to a change in AQ. These include:

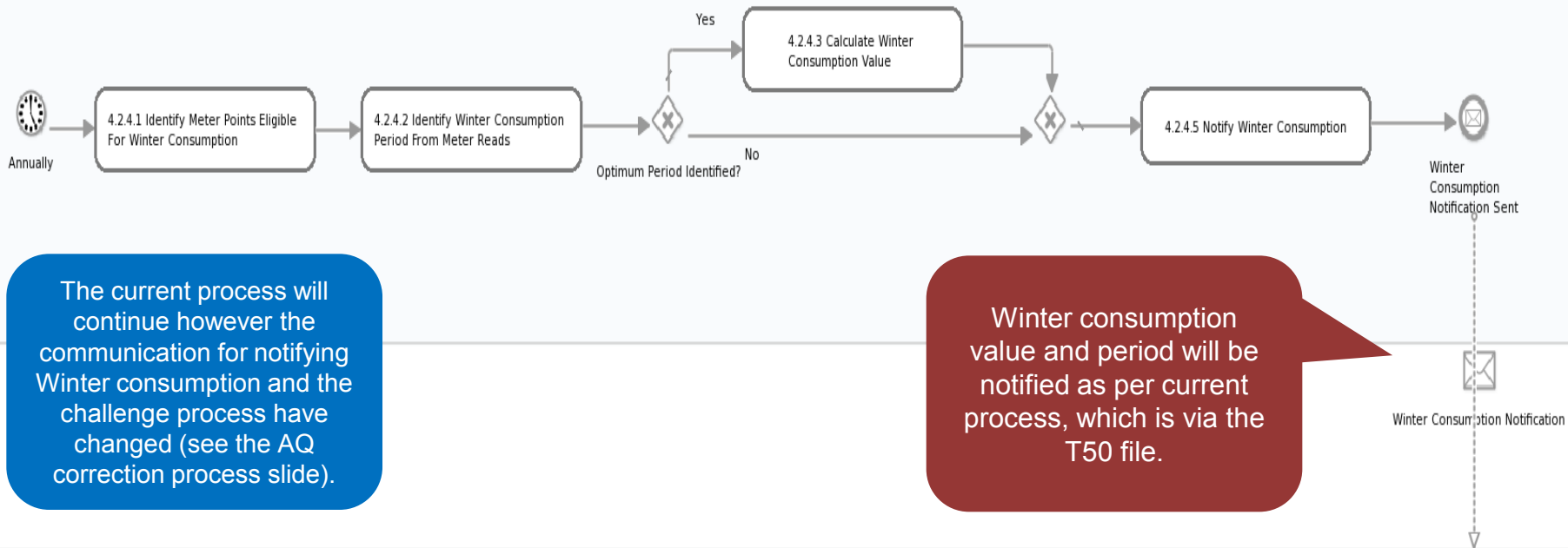
- A change to the current Meter Read Frequency is required
- Emergency Contact Details are required
- DMM Threshold Crosser
- AQ has fallen below the Priority Consumer Threshold



NNL

Winter Consumption for Large Supply Points

Xoserve



The current process will continue however the communication for notifying Winter consumption and the challenge process have changed (see the AQ correction process slide).

Winter consumption value and period will be notified as per current process, which is via the T50 file.

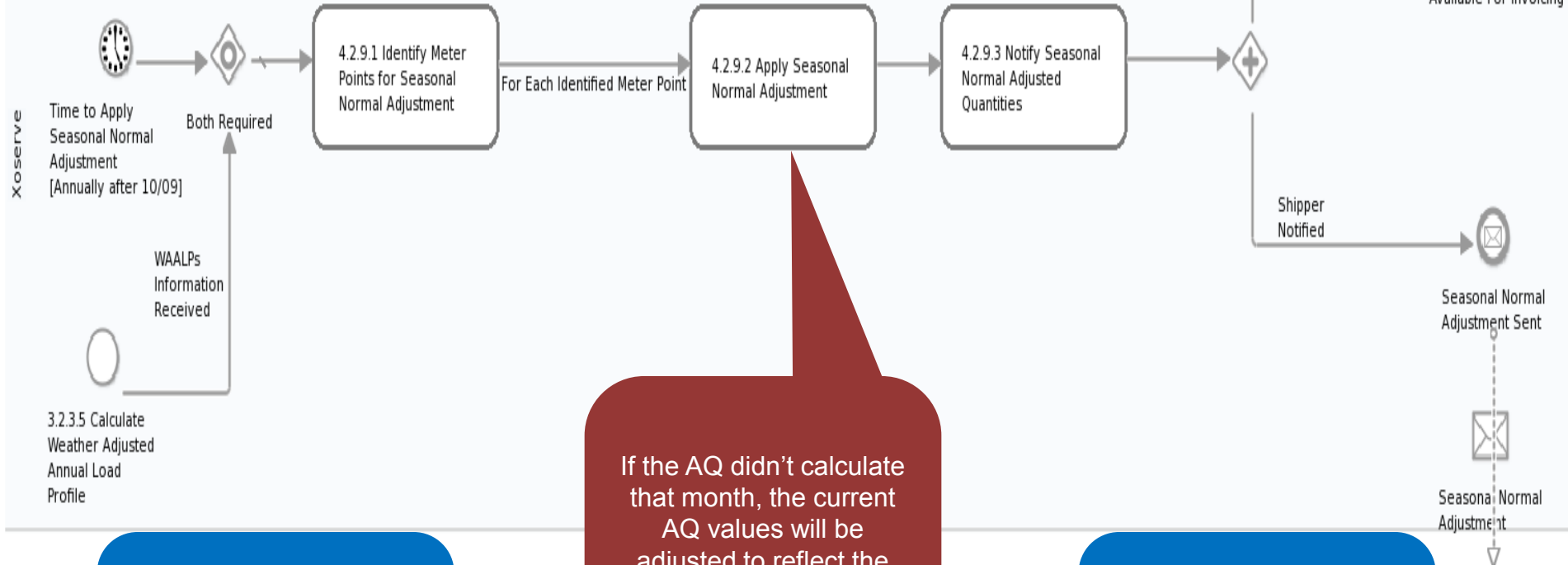
Shipper

Use the AQ correction to amend the winter consumption if appropriate.

Apply Seasonal Normal Changes to AQ

If a Supply Meter Point is calculated within the month, it will use the seasonal normal value within that calculation.

To apply the new Seasonal Normal values the old value will be ended and the new value applied within the System.



As part of the AQ review for 2015 the seasonal normal values will be applied with effect from 1st October 2015.

If the AQ didn't calculate that month, the current AQ values will be adjusted to reflect the seasonal normal. And notified as per the current process, via the T04 file at [M-5].

The AQ will be effective from the first of each month.

AQ Correction Process

Shipper

Xoserve

iGTs capable of providing revised transportation charge rates following AQ Correction

Validation will not be applied to the users estimate of their annual quantity.

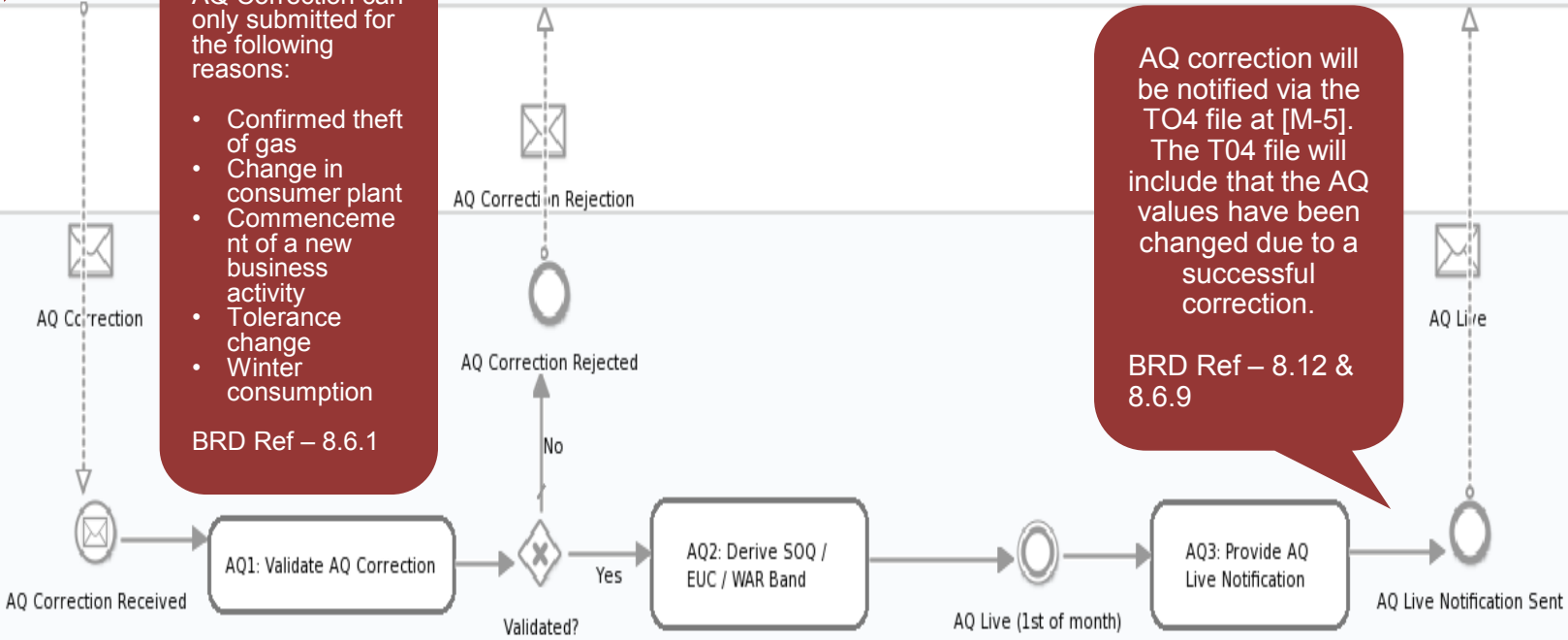
AQ correction will be initiated with a submission of an AQ correction (new file format).
BRD Ref – 8.6

AQ Correction can only be submitted for the following reasons:

- Confirmed theft of gas
- Change in consumer plant
- Commencement of a new business activity
- Tolerance change
- Winter consumption

BRD Ref – 8.6.1

AQ correction will be notified via the TO4 file at [M-5]. The T04 file will include that the AQ values have been changed due to a successful correction.
BRD Ref – 8.12 & 8.6.9



If the correction takes the AQ into a new EUC then any outstanding offers will be replaced/updated by the Offer Addendum.
BRD Ref – 8.6.10

A change in AQ due to the Correction Process will review the billable attributes.
BRD Ref – 8.6.10

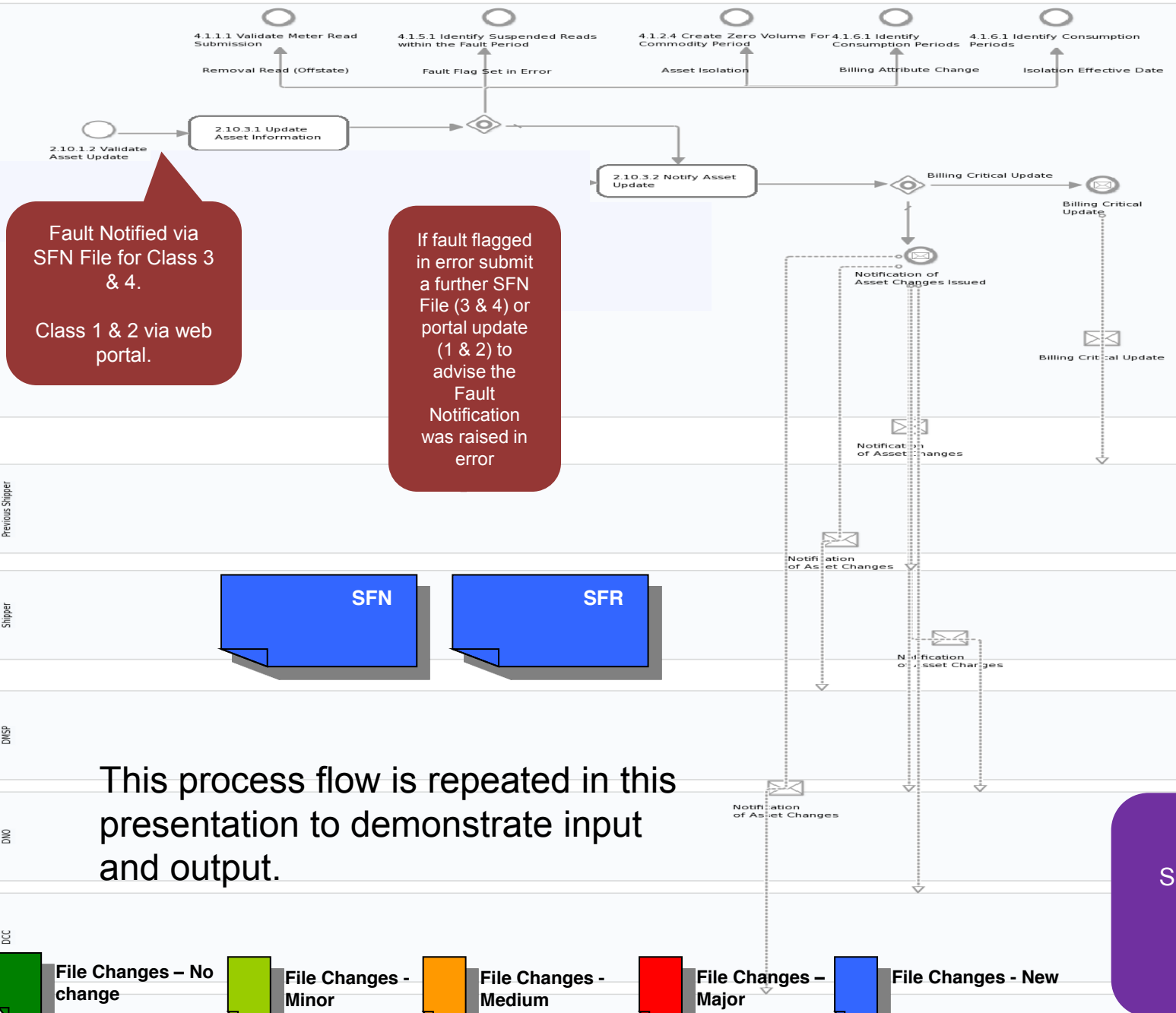
A Back Stop date will be applied following AQ Correction. Therefore the AQ cannot be changed for a minimum of 9 months after this date (depending on reads).
BRD Ref – 8.6.7



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Faulty Asset Equipment End to End Process Walkthrough

Apply Asset Fault Status (Input)



Fault Notified via SFN File for Class 3 & 4.
Class 1 & 2 via web portal.

If fault flagged in error submit a further SFN File (3 & 4) or portal update (1 & 2) to advise the Fault Notification was raised in error

This process flow is repeated in this presentation to demonstrate input and output.

Supply Point Register
BRD Ref:
8.8

- File Changes – No change
- File Changes - Minor
- File Changes - Medium
- File Changes – Major
- File Changes - New

File Changes – No change

File Changes - Minor

File Changes - Medium

File Changes – Major

File Changes - New

If the fault has been applied in error the 'suspended' status is removed.

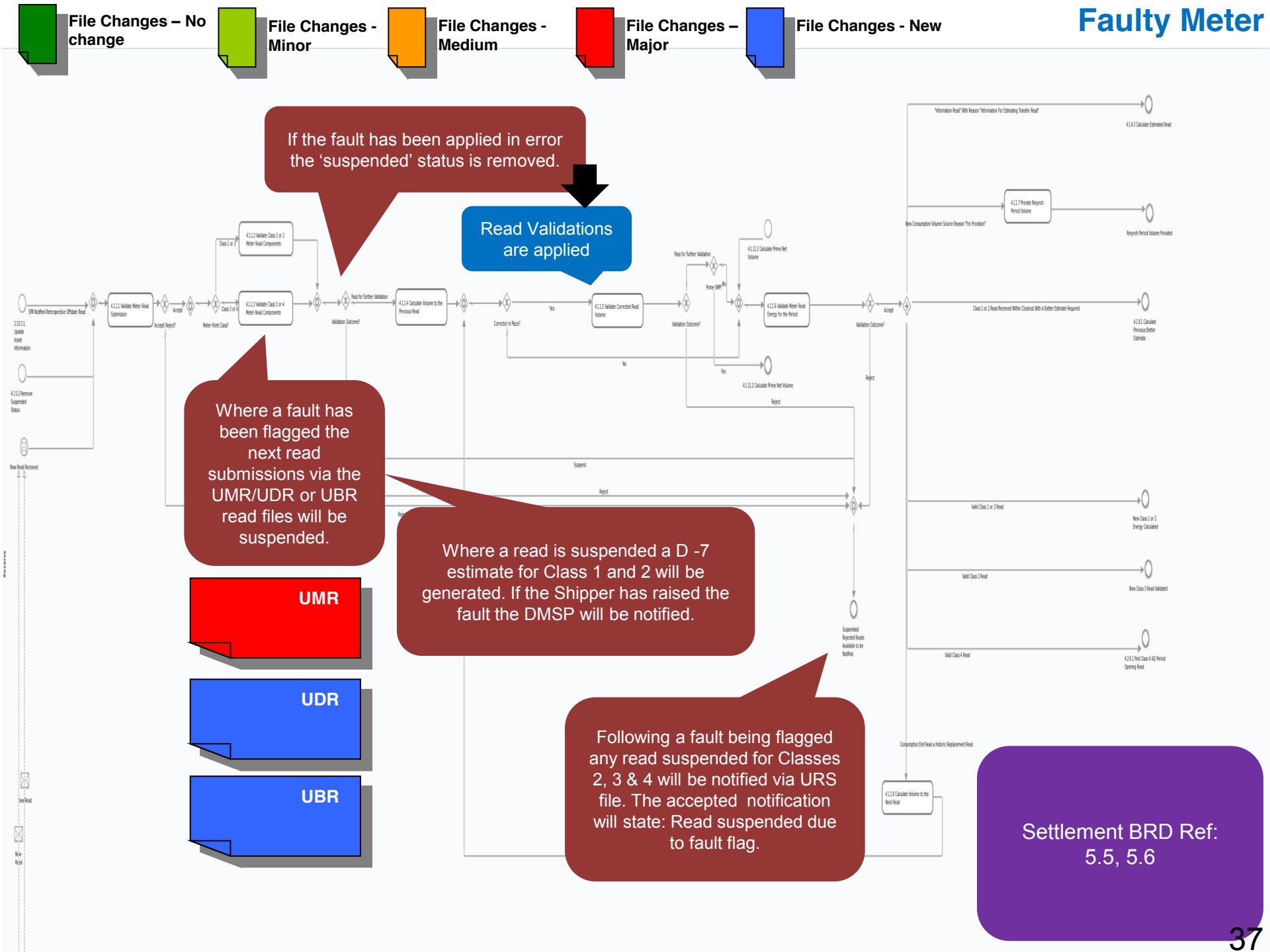
Read Validations are applied

Where a fault has been flagged the next read submissions via the UMR/UDR or UBR read files will be suspended.

Where a read is suspended a D -7 estimate for Class 1 and 2 will be generated. If the Shipper has raised the fault the DMSP will be notified.

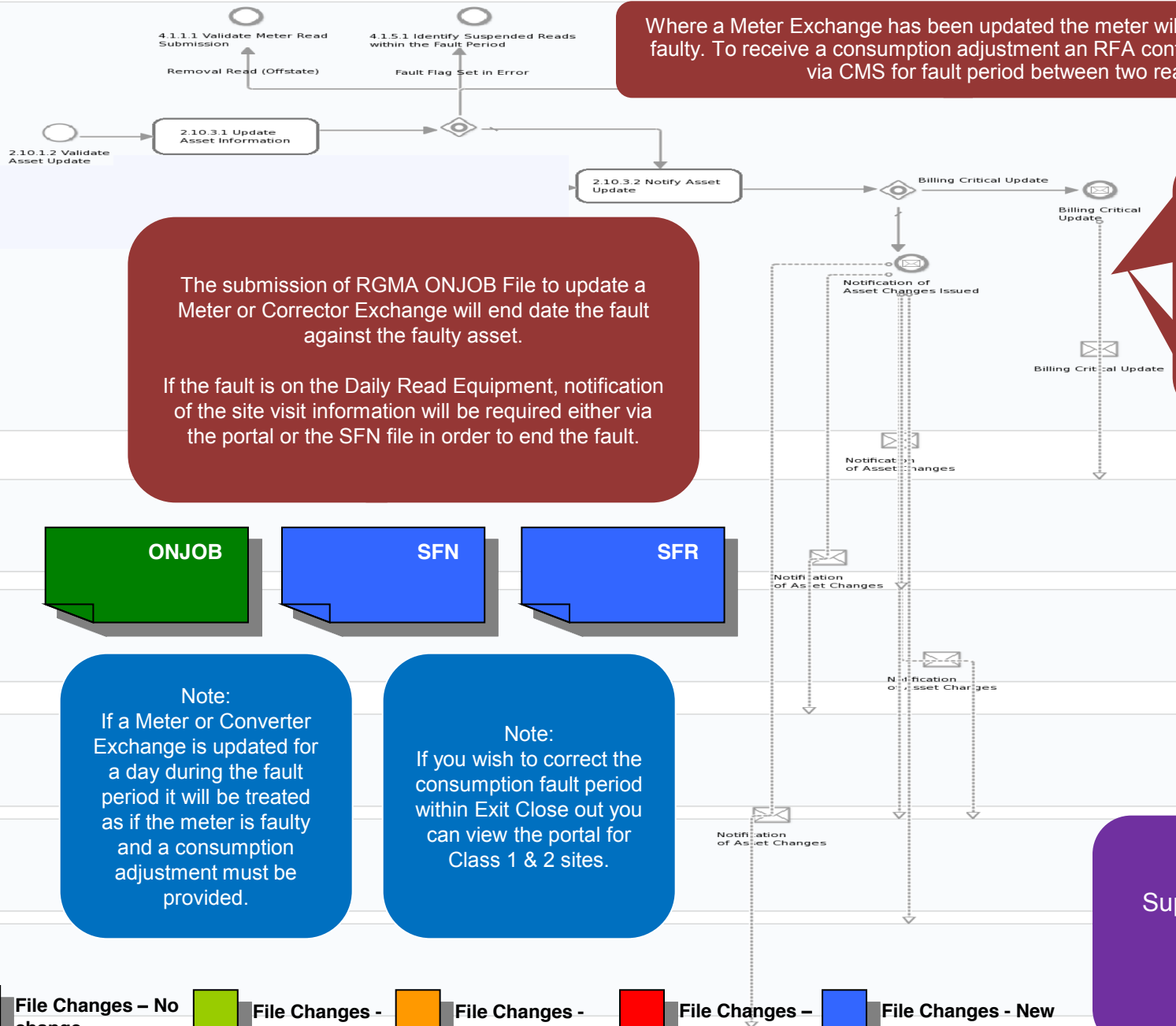
Following a fault being flagged any read suspended for Classes 2, 3 & 4 will be notified via URS file. The accepted notification will state: Read suspended due to fault flag.

Settlement BRD Ref:
5.5, 5.6



Apply Asset Fault Status (Output)

Where a Meter Exchange has been updated the meter will be considered to be faulty. To receive a consumption adjustment an RFA contact should be raised via CMS for fault period between two reads.



The submission of RGMA ONJOB File to update a Meter or Corrector Exchange will end date the fault against the faulty asset.

If the fault is on the Daily Read Equipment, notification of the site visit information will be required either via the portal or the SFN file in order to end the fault.

Where a Corrector Exchange has been updated the meter readings and previous check read will be used to automatically reconcile the fault period.

Where Daily Read Equipment is installed automatic reconciliation will go back to the previous check read using convertor reads or meter reads.

Supply Point Register
BRD Ref:
8.8

ONJOB

SFN

SFR

Note:
If a Meter or Converter Exchange is updated for a day during the fault period it will be treated as if the meter is faulty and a consumption adjustment must be provided.

Note:
If you wish to correct the consumption fault period within Exit Close out you can view the portal for Class 1 & 2 sites.

- File Changes – No change
- File Changes - Minor
- File Changes - Medium
- File Changes – Major
- File Changes - New



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Class Change End to End Process Walkthrough

**SPC
C38, C39**

D-2 Process: Gemini

Class Change (SPC) record C38 minimum 5 business days (regardless of class)

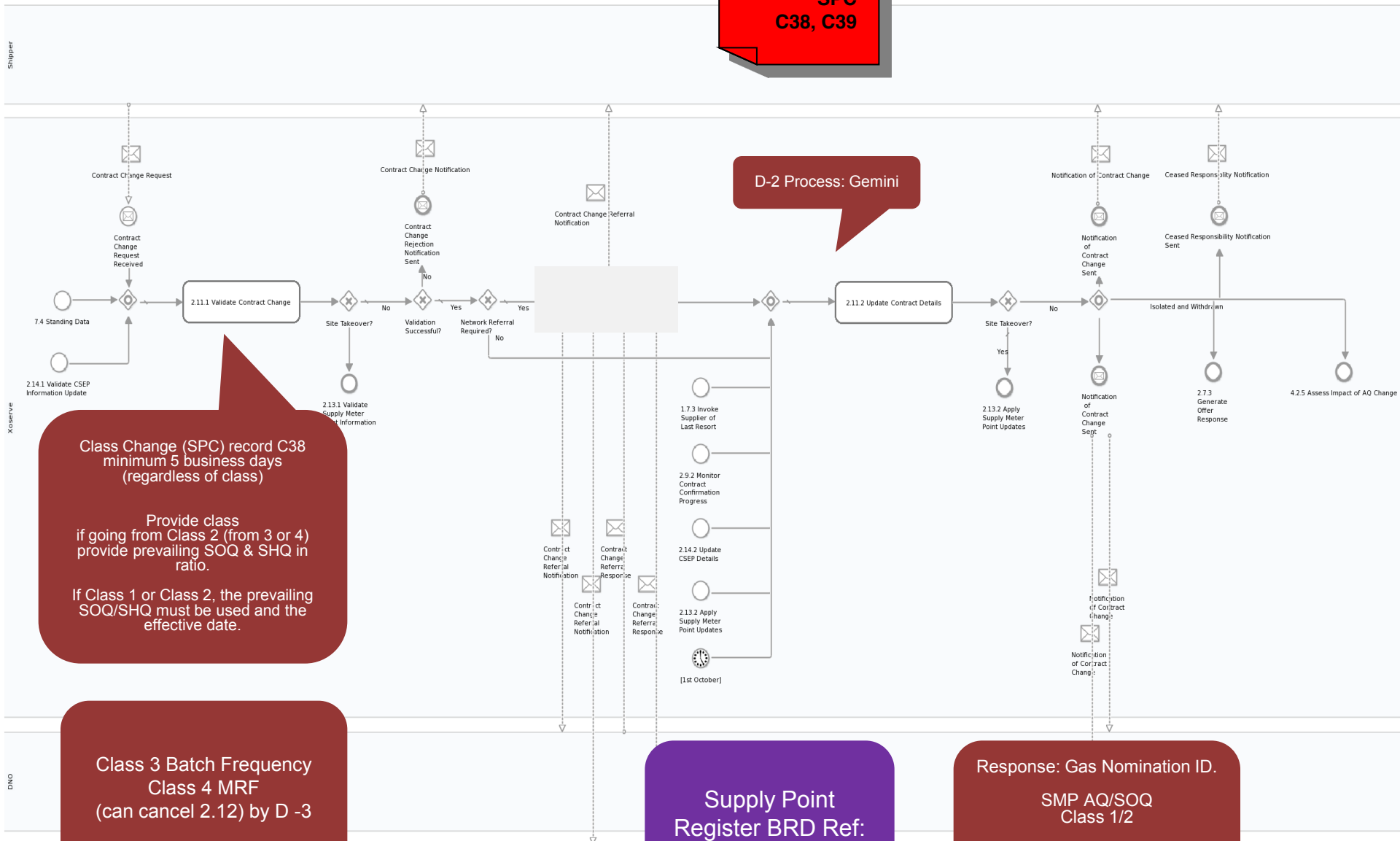
Provide class if going from Class 2 (from 3 or 4) provide prevailing SOQ & SHQ in ratio.

If Class 1 or Class 2, the prevailing SOQ/SHQ must be used and the effective date.

Class 3 Batch Frequency
Class 4 MRF
(can cancel 2.12) by D -3

Supply Point Register BRD Ref: 8.10

Response: Gas Nomination ID.
SMP AQ/SOQ Class 1/2
SMP AQ/SOQ Formula Year AQ/SOQ Class 3/4





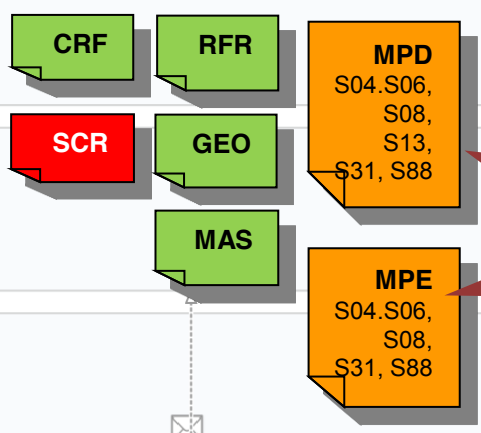
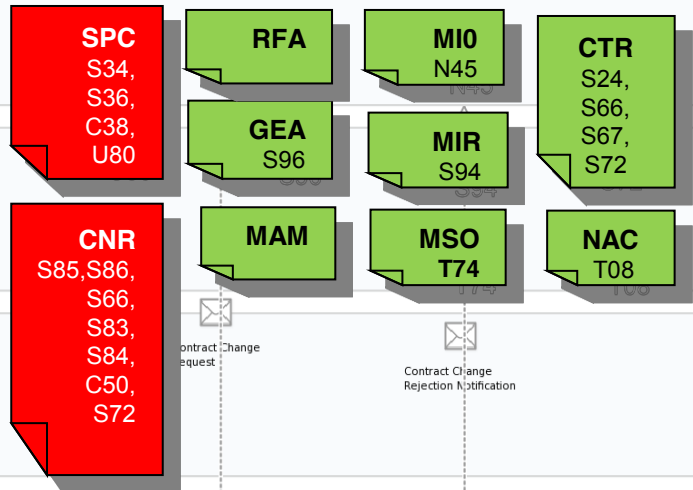
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Supply Point Update End to End Process Walkthrough

Supply Meter Point Charges

Input Files

Rejection Files

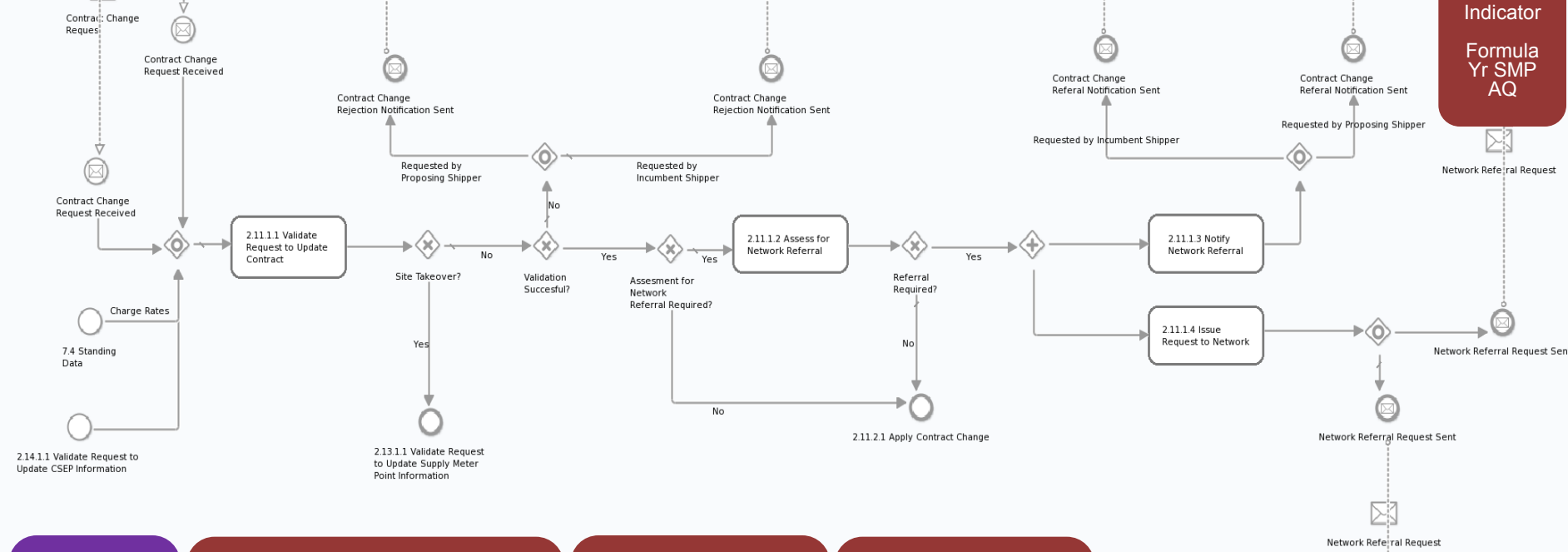


Changes to MPD and MPE Files
Gas Nomination ID
AMR Indicator
Current Year
Minimum SOQ

S34 records has been edited to include Batch Frequency Change for Class 3

EXZ
S31, S75, M13, S70, M13

AMR Indicator
Formula Yr SMP AQ



BRD Ref:
8.10
4.1.6
8.5
8.6

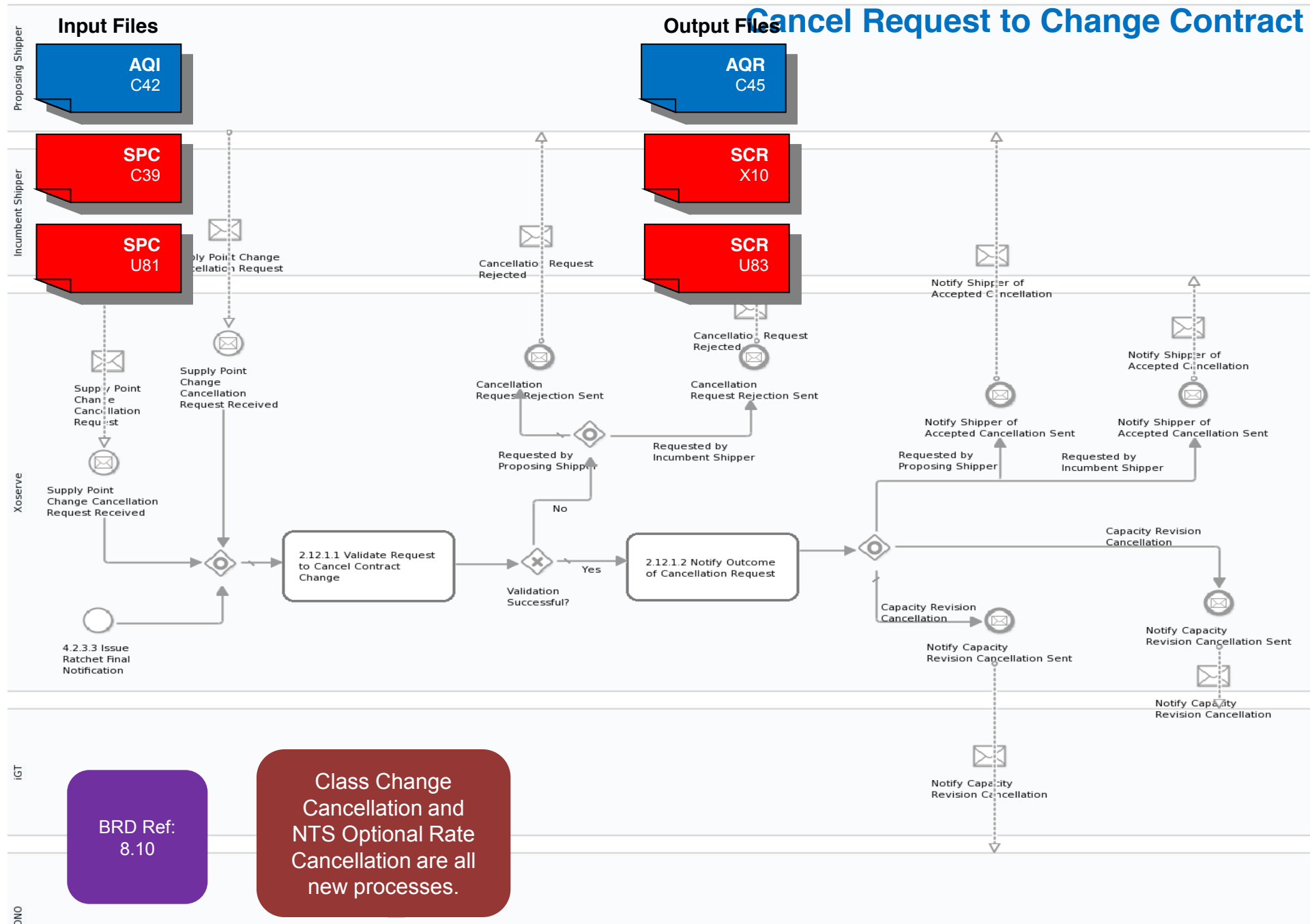
Contract changes include

- Batch Frequency Submission
- ECO Process – Submit voluntary WID
- Class Change
- Vulnerable Customer Updates (incl. removal)

GEA (S96) now allows for ASP ID to be populated (A<R).

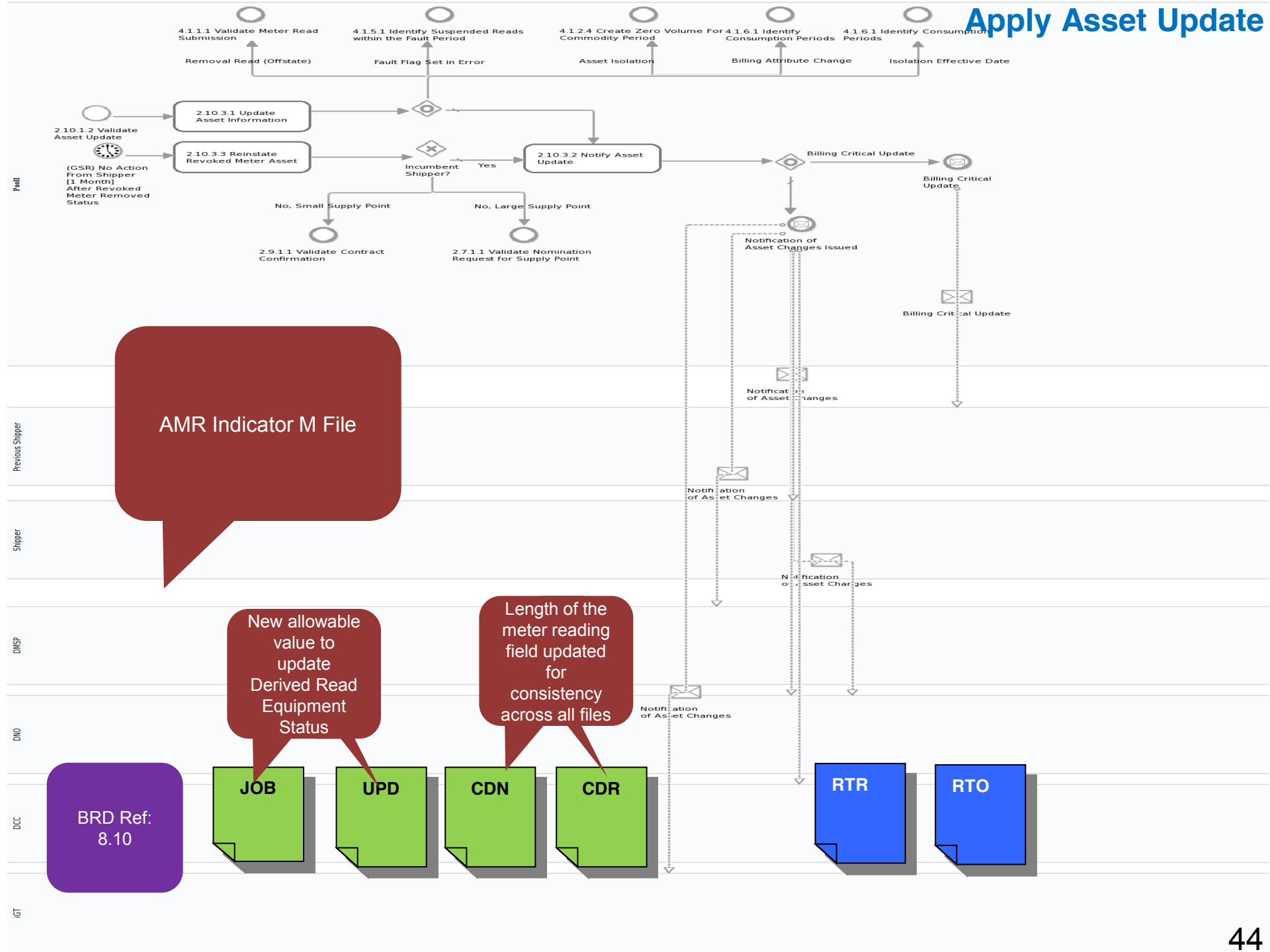
Process is now online through the NTS optional rate change record (SPC file)

Cancel Request to Change Contract



BRD Ref:
8.10

Class Change Cancellation and NTS Optional Rate Cancellation are all new processes.





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Billing & Invoicing End to End Process Walkthrough

5.1.3.2 Assess Supporting Information Requirement

5.1.7.1 Apply Scaling Methodology

5.2.7.1 Apply Corrective Action

5.4.1.4 Assess Neutrality Bank Reconciliation

Ancillary Invoice charges:

- Revised mapping to Invoice codes based on process

Improved rationalised Invoice to Charge Type Mapping

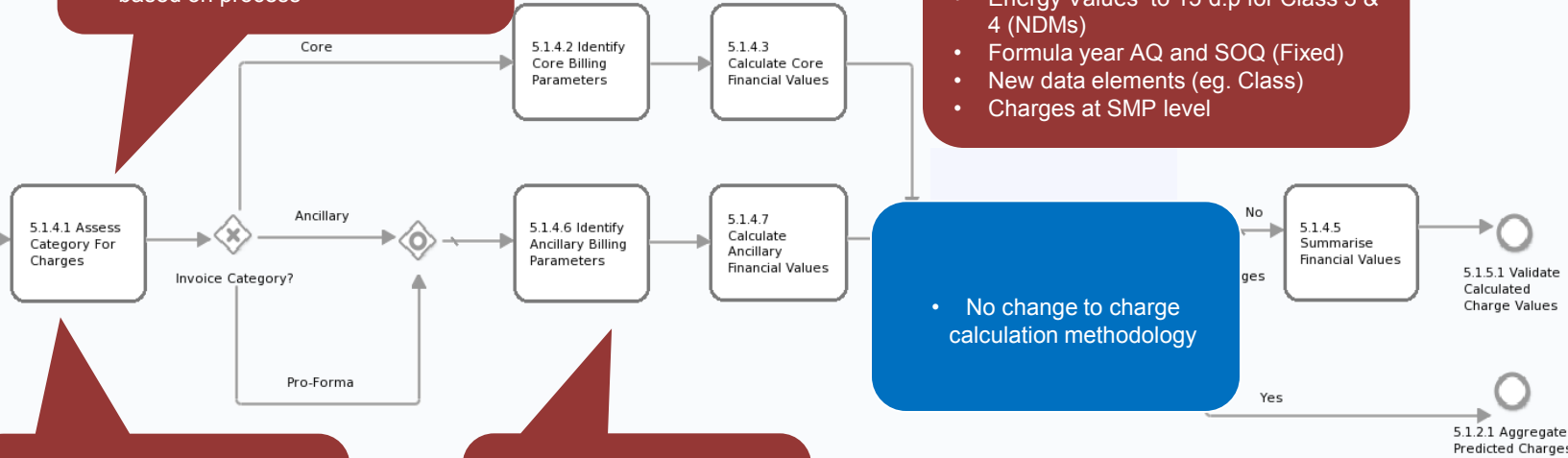
All portfolio base data is consolidated within the new UK Link

Core Invoice charges:

- Charge Component (7 d.p) and charge amount (2 d.p)
- Energy Values to 15 d.p for Class 3 & 4 (NDMs)
- Formula year AQ and SOQ (Fixed)
- New data elements (eg. Class)
- Charges at SMP level

No change to charge calculation methodology

BRD reference: Invoicing

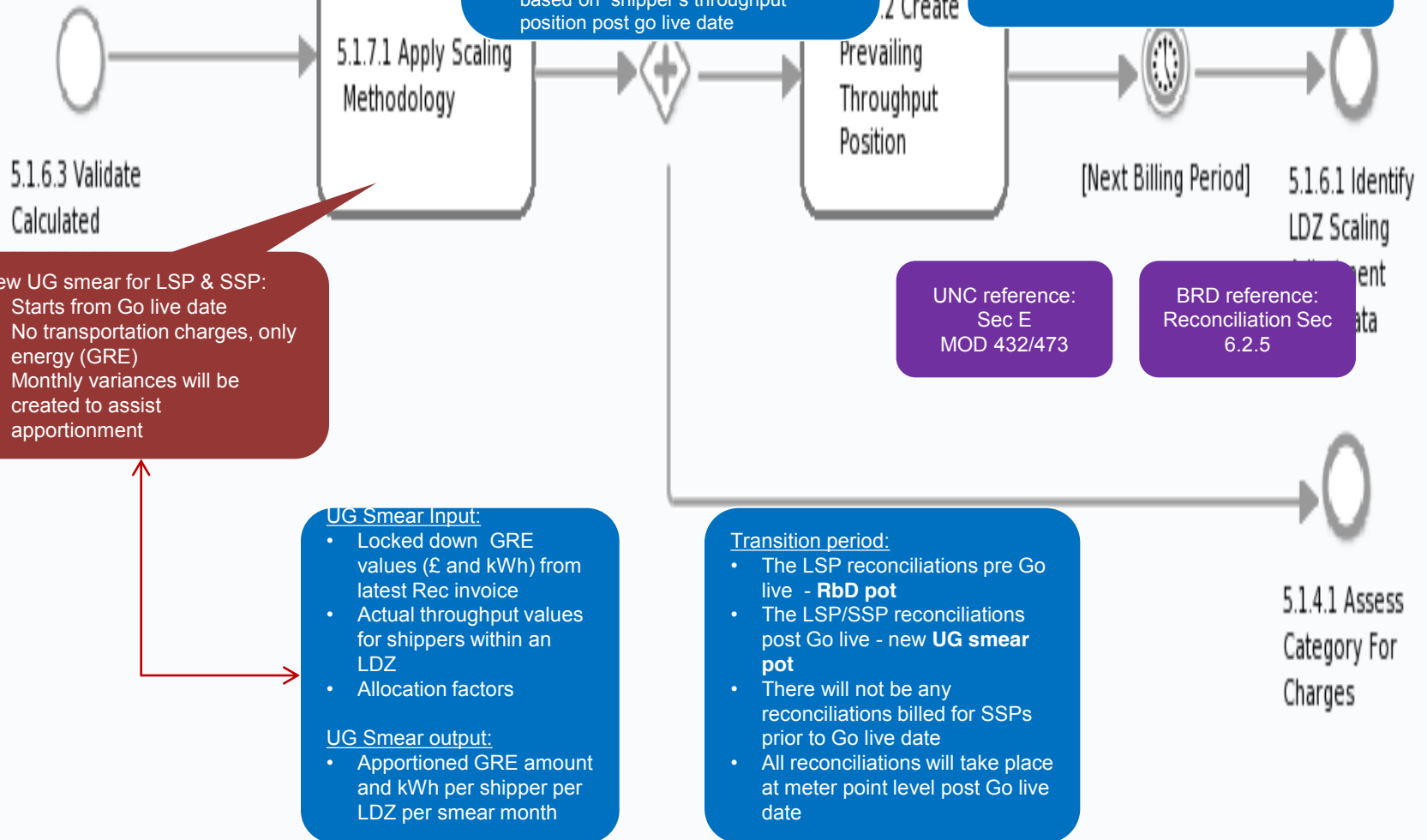


RbD Smear for LSP

- Will continue for 12 months (transition)
- Annual advancing pot

- Post 'Go-Live' the LDZ insignificant errors and LDZ energy adjustments will be fed to UG smear
- LDZ Significant measurement errors will be apportioned over the error period. Pre-go live ,error period will be apportioned based on the SSP market share and post go live will be based on shipper's throughput position post go live date

The prevailing position for the shipper each month will be revised based on the reconciliations locked down from the latest amendments invoice (GRE) for the 12 months period

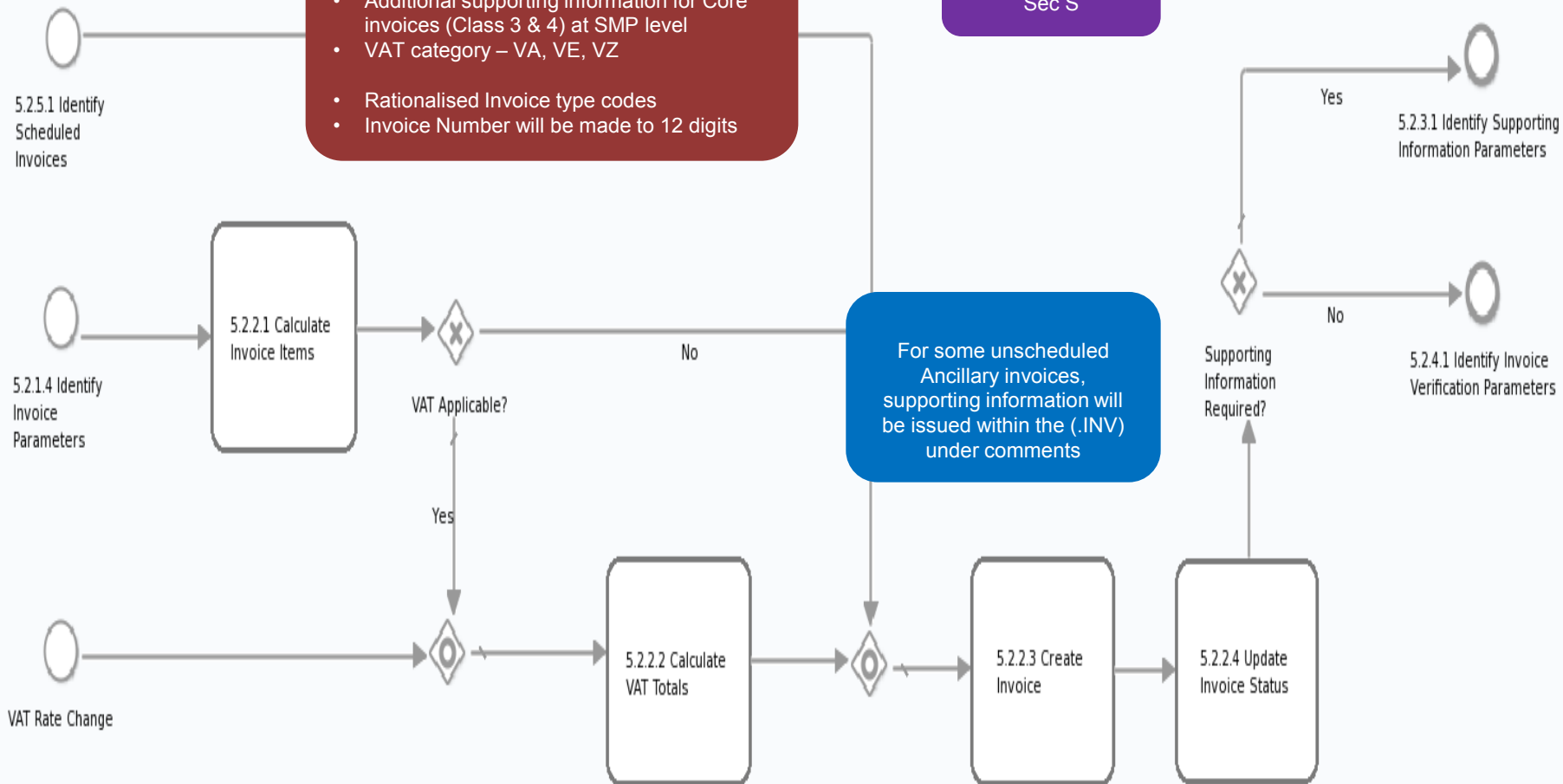


There are no changes to the Invoicing principles

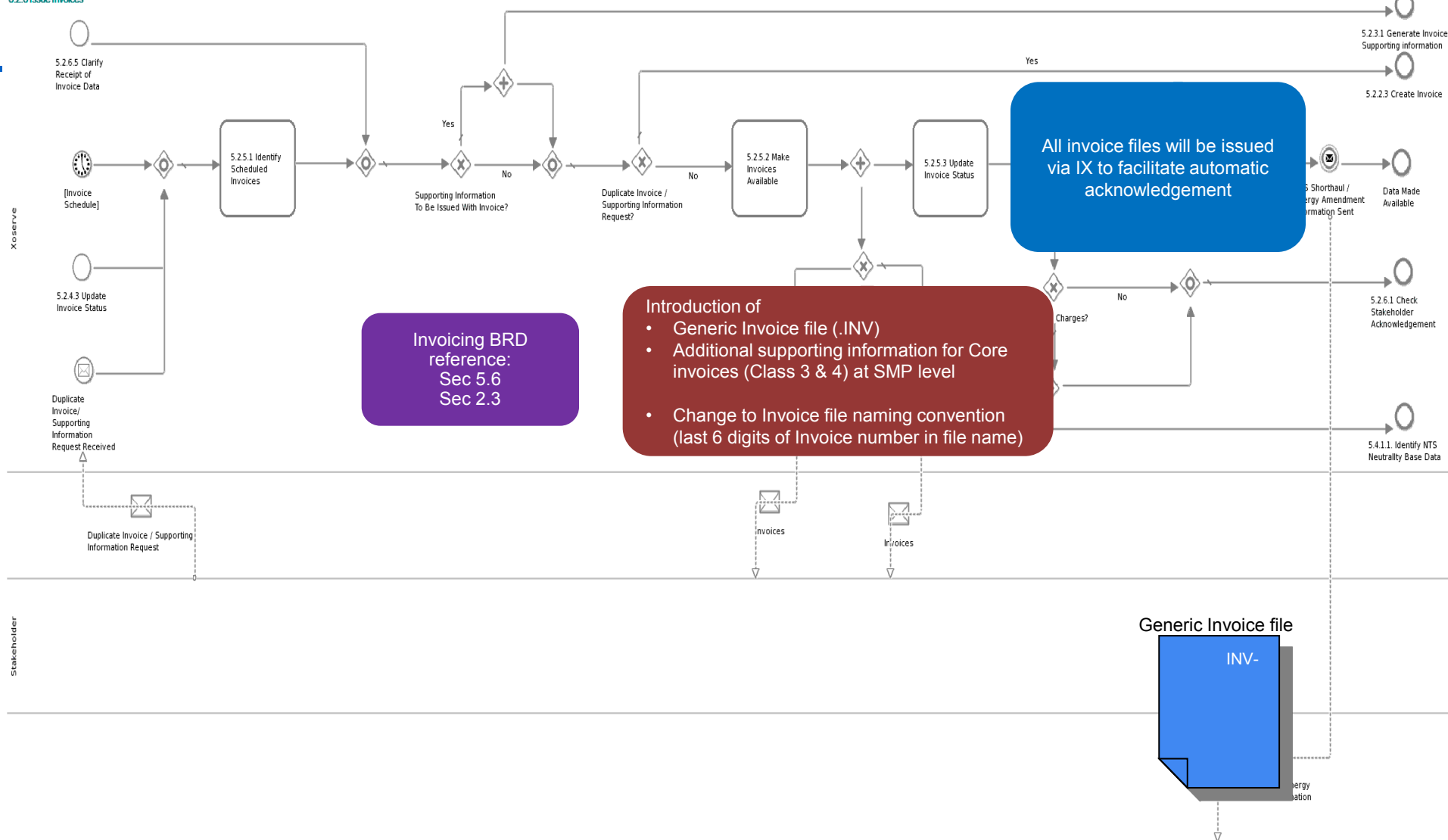
- Introduction of
- Generic Invoice file (.INV)
 - Additional supporting information for Core invoices (Class 3 & 4) at SMP level
 - VAT category – VA, VE, VZ
 - Rationalised Invoice type codes
 - Invoice Number will be made to 12 digits

Invoicing BRD reference:
Sec S

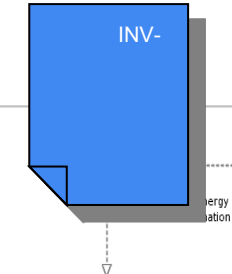
Xoserve



5.2.5 Issue Invoices

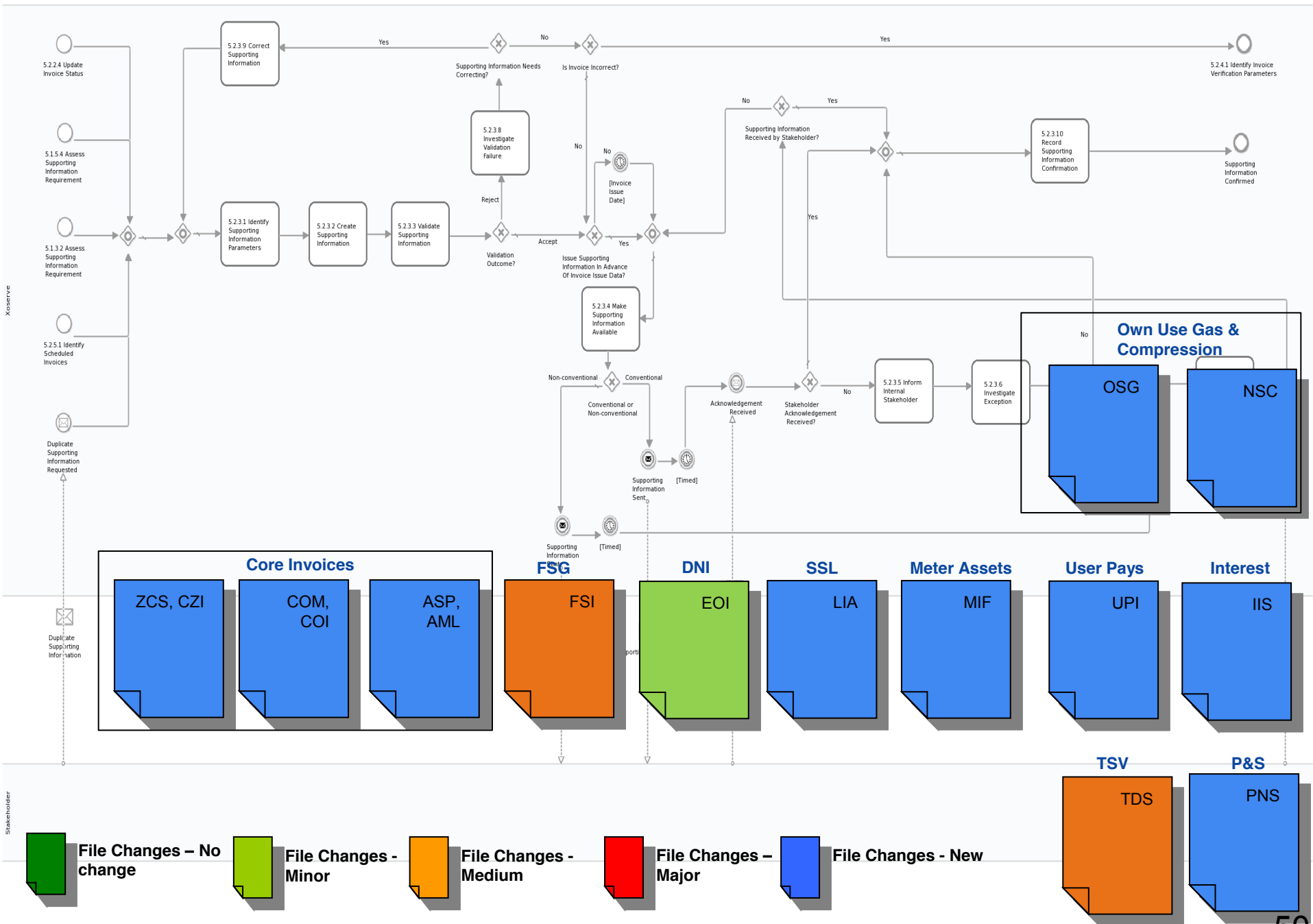


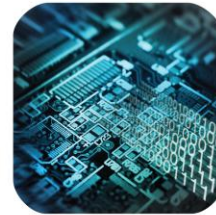
Generic Invoice file



File Changes – No change
File Changes – Minor
File Changes – Medium
File Changes – Major
File Changes – New

Generate Invoice Supporting Information





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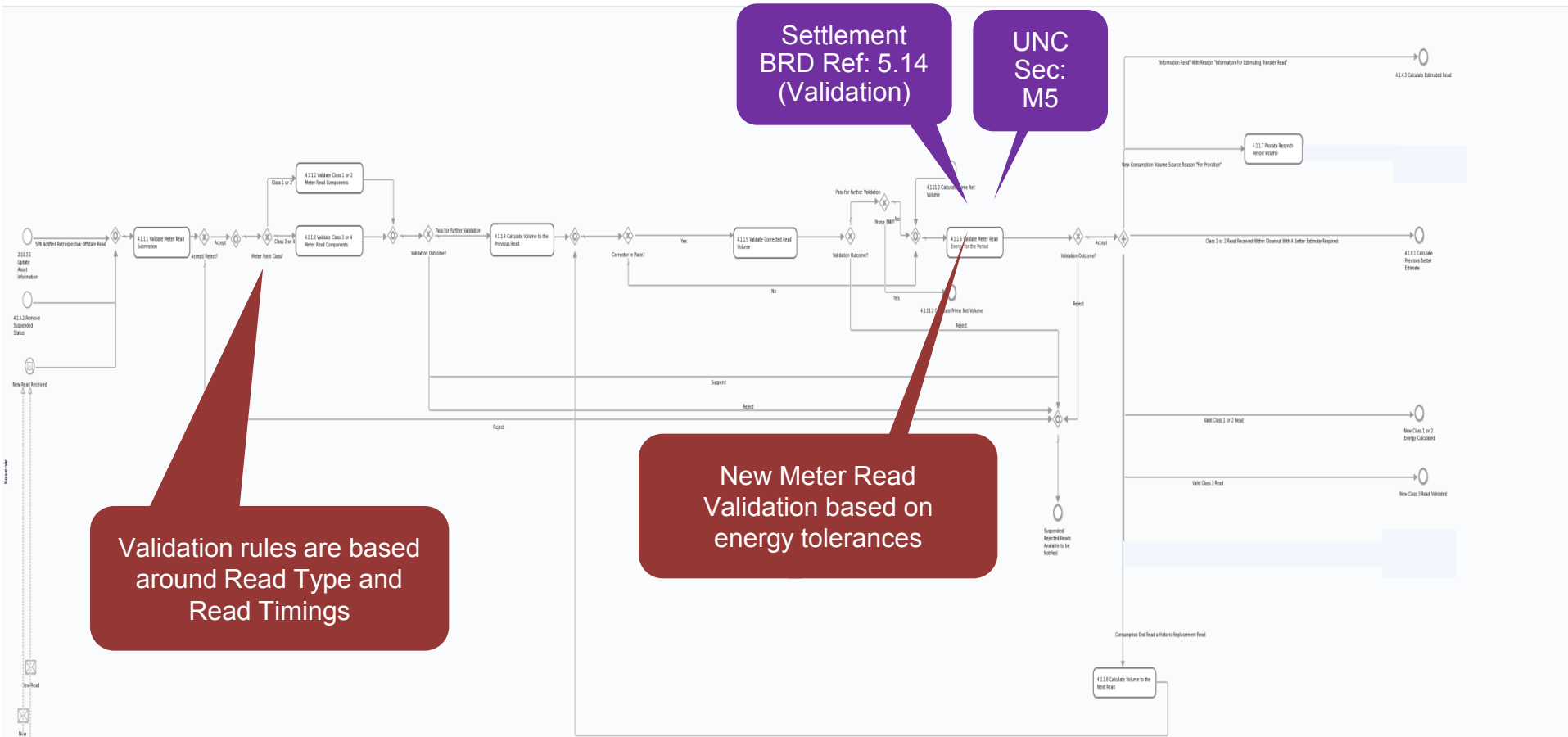
Read, Submission, Validation & Reconciliation End to End Process Walkthrough

Settlement
BRD Ref: 5.14
(Validation)

UNC
Sec:
M5

Validation rules are based around Read Type and Read Timings

New Meter Read Validation based on energy tolerances



Input Files

UDR – U12
Class 2 reads from Shipper

UBR – U13, U14
Class 3 reads from Shipper

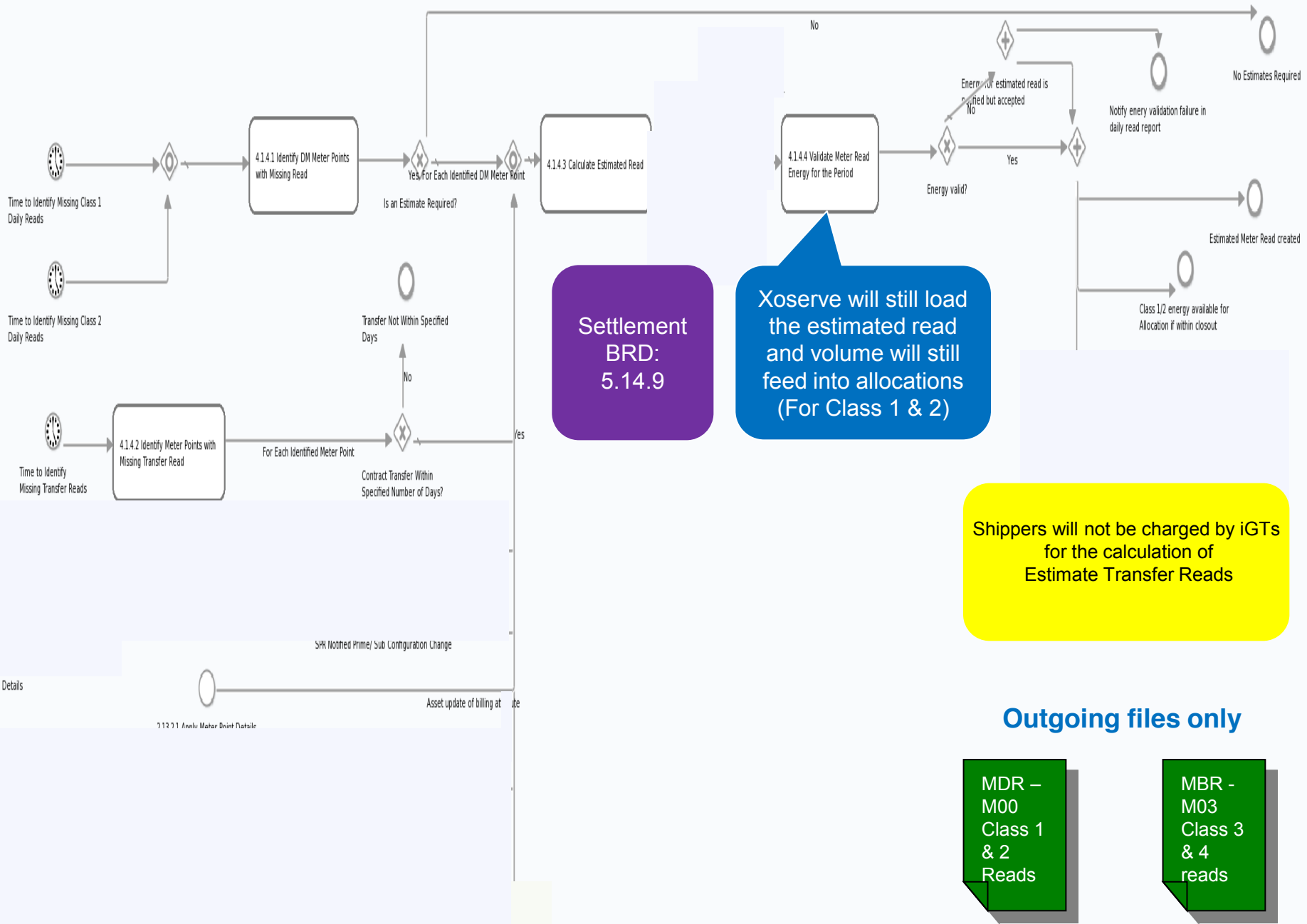
UMR – U01
Class 4 reads from Shipper

Reject Files

URS - S27

RGMA files also provide reads for Asset amendments

Estimate Required Missing Reads



Settlement
BRD:
5.14.9

Xoserve will still load the estimated read and volume will still feed into allocations (For Class 1 & 2)

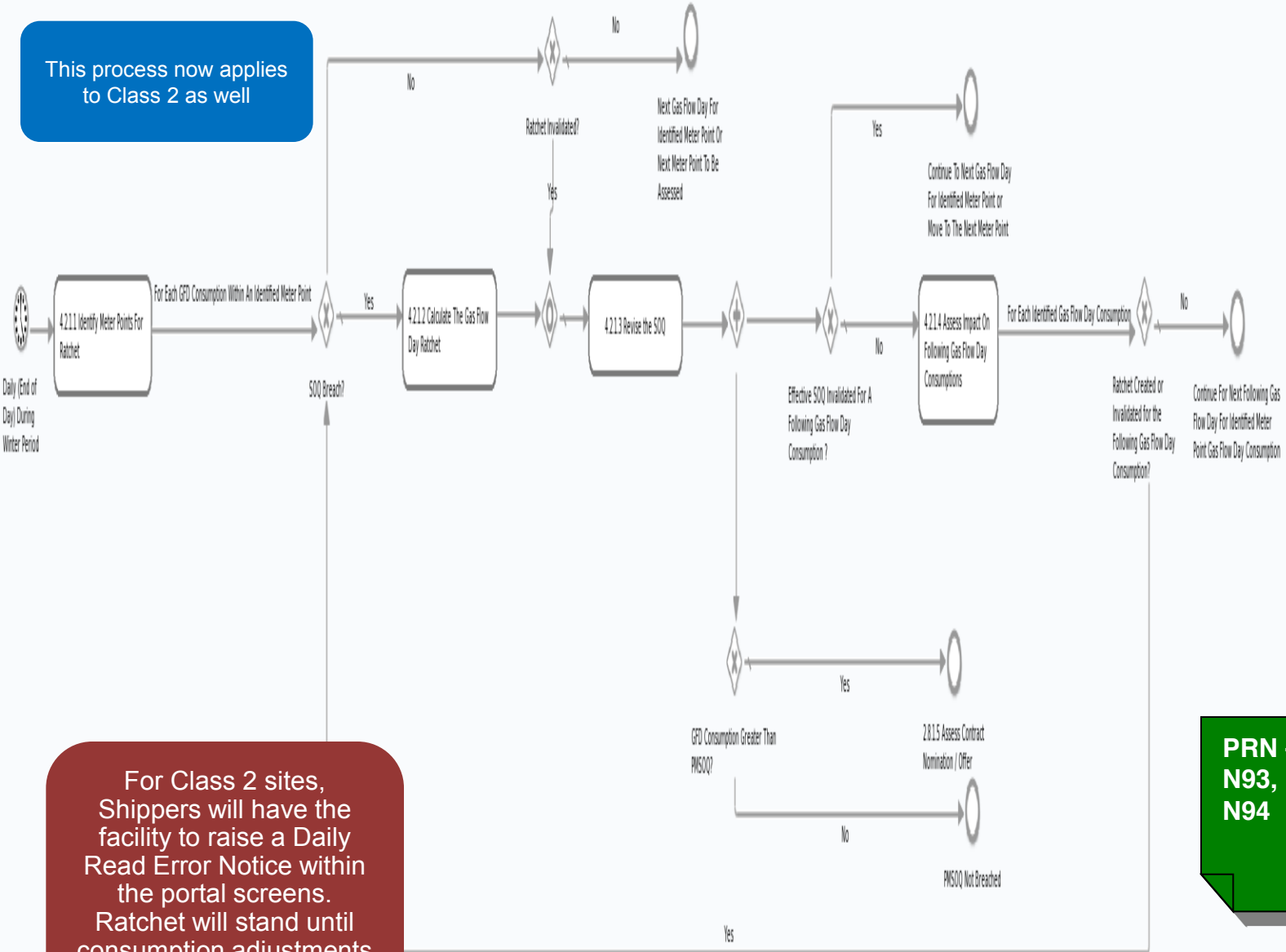
Shippers will not be charged by iGTs for the calculation of Estimate Transfer Reads

Outgoing files only

MDR –
M00
Class 1
& 2
Reads

MBR –
M03
Class 3
& 4
reads

This process now applies to Class 2 as well



For Class 2 sites, Shippers will have the facility to raise a Daily Read Error Notice within the portal screens. Ratchet will stand until consumption adjustments are processed.

BRD Ref: Settlement

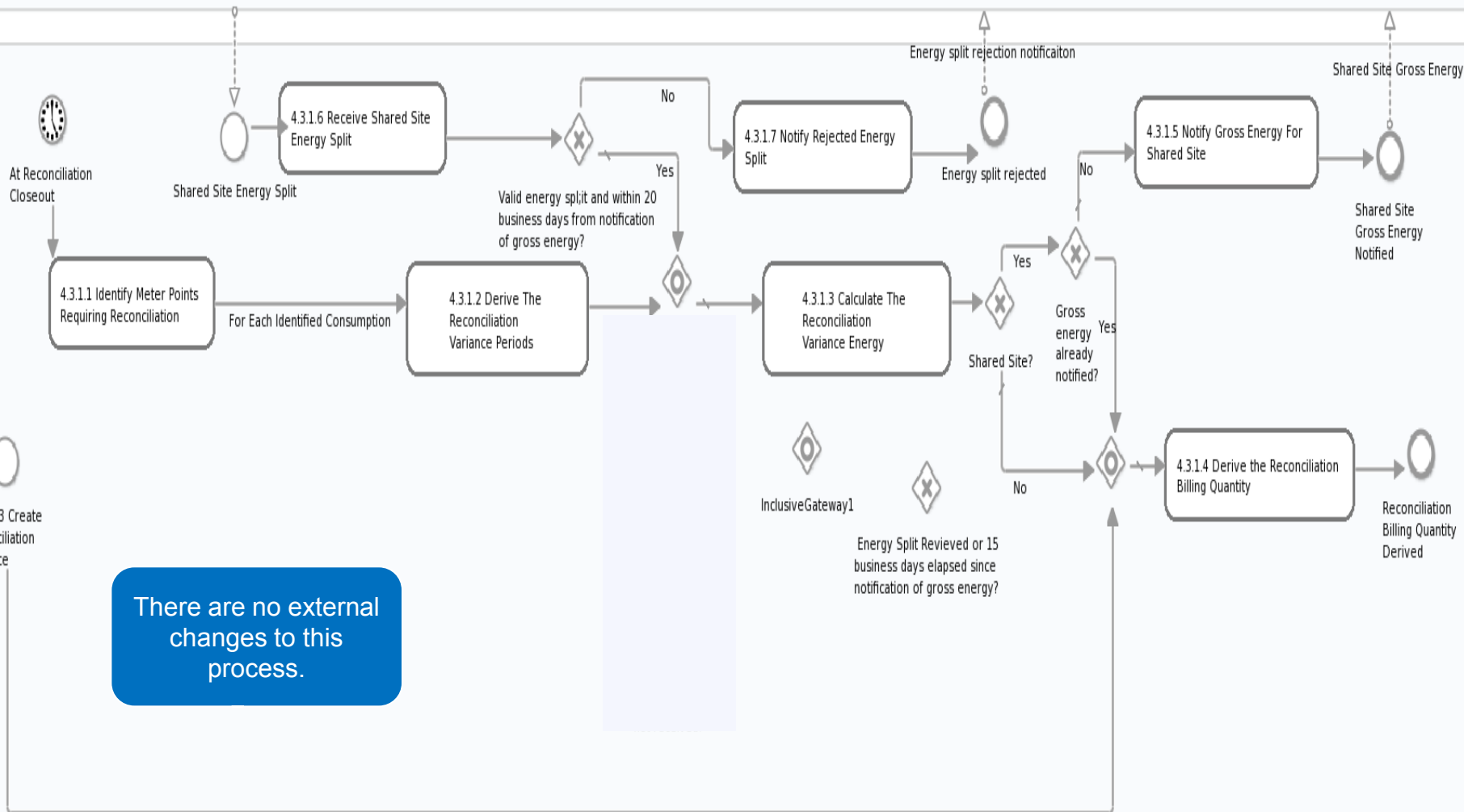
PRN - N93, N94

RAT - M12, M15, S31

Derive Reconciliation Variances For New Consumption

BRD Ref:
Reconciliation

Rec Principles have not changed but rec will apply to all Supply Meter Points.
I.E. No RbD



There are no external changes to this process.

Additional Areas of Clarification

- **CSEP Transfer of Ownership**
 - Following Notification of a CSEP Transfer of Ownership Xoserve will notify a shipper of changes via the STN file.
- **iGT Transportation Rate Changes**
 - IGT will provide revised transportation charge rates to Xoserve
 - These rates will be reflected against the iGT SMP once processed
 - Rates will flow out to industry parties as part of transfer of ownership process.
- **Other Services**
 - Non Code User Pay Services
 - Data Enquiry – Increase range of iGT Data visible to Shippers

Xoserve



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