



XRN4687

**High Level System Solution
Impact Assessment**

Change Overview

XRN4687 – PSR Updates for Large Domestic Sites

This change is required to ensure that customer vulnerability is recorded centrally where customers have an AQ >73,200kWh and is shared with the relevant DNs and IGTs.

Vulnerability validation has always been based on AQ rather than property classification. There are however customers who have an AQ >73,200 with vulnerability to record. The current validation relating to Supply Meter Points with an AQ >73.200kWh are rejected and not recorded centrally.

Solution Options

1

Do Nothing

2

Change the validation from AQ to Market Sector Code (D or I)

3

Change the validation threshold from 73,200 kWh to 732,000 kWh on the CNC hierarchy

4

Remove the validation on the CNC hierarchy

5

Offline solution

6

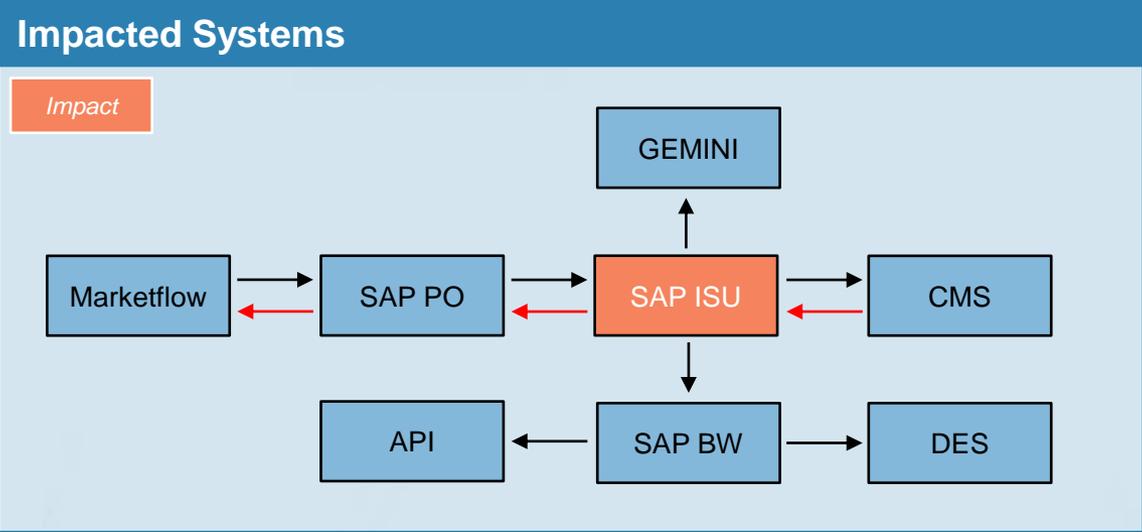
Amend the CNF hierarchy to allow PSR information to be sent at confirmation of a LSP and change the validation of the CNC to a higher threshold (option 3) or to remove the validation (option 4)

Option 3 - High Level Impact Assessment

3 – Change the validation threshold from 73,200 kWh to 732,000 kWh on the CNC hierarchy

This solution option looks to modify the code to change the AQ validation from 73,200 kWh to 732,000 kWh in SAP ISU from CNC in order to update PSR code for LSP sites. This will also remove the existing rejection from the response file (.CNR) for this scenario. Please note, a rejection code would still be required if a Shipper sends a PSR update for a site with an AQ >732,000kWh.

Consideration: AQ range is a configurable value



- ### Assumptions
- No impact envisaged to SAP BW.
 - No retrospective updates will be done on the migrated data
 - No changes to CNF file

Overall Impact	High Level Cost Estimate
Low	17,250 - 28,750 GBP

Option 3 - System Impact Assessment

Application:
System Component:
Development Type:
Impacted User(s):
Build Type:
Change Description:

SAP ISU			
Process Code			
Code Change			
Shippers / DNs / IGTs			
Existing			
System needs to to change the AQ validation from 73,200 kWh to 732,000 kWh in the CNC in order to update PSR code for LSP sites. Also remove the existing rejection for the response file (.CNR) for this scenario however a rejection code would still be required if a Shipper sends a PSR update for a site with an AQ >732,000kWh			

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

G			
G			
G			
G			
G			
G			
G			

Option 3 - Process Impact Assessment

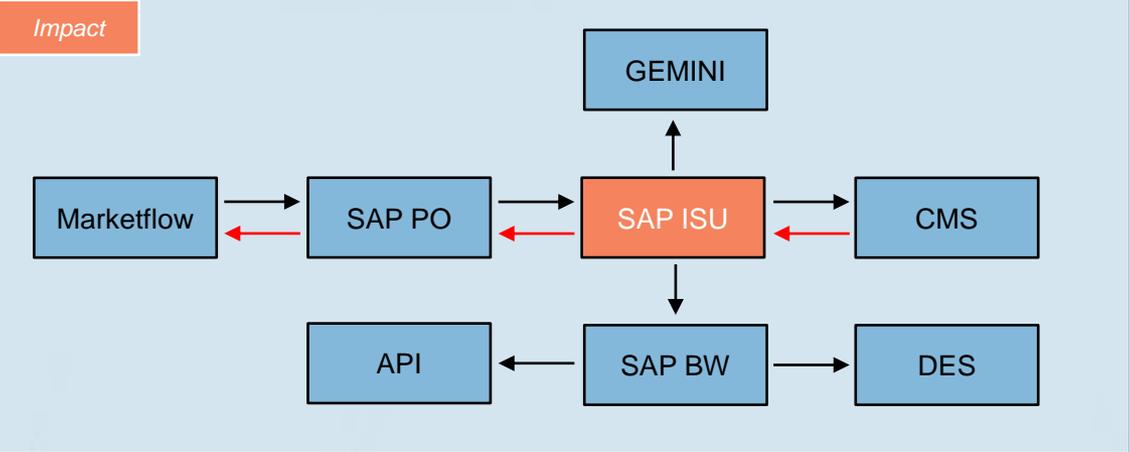
Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	Low	No	No	No	No	No
Metering (Reads)	n/a	n/a	n/a	n/a	n/a	n/a
Reconciliation	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Capacity	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Commodity	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Amendment	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Other	n/a	n/a	n/a	n/a	n/a	n/a
Rolling AQ	n/a	n/a	n/a	n/a	n/a	n/a
Formula Year AQ	n/a	n/a	n/a	n/a	n/a	n/a
RGMA	n/a	n/a	n/a	n/a	n/a	n/a
DSC Service	n/a	n/a	n/a	n/a	n/a	n/a
Other (Specify)	n/a	n/a	n/a	n/a	n/a	n/a

Option 4 - High Level Impact Assessment

4 – Remove the validation on the CNC hierarchy

This solution option looks to modify the code to remove the AQ validation. This will also remove the existing rejection for the response file (.CNR) for this scenario.

Impacted Systems



Assumptions

- No impact envisaged to SAP BW.
- No retrospective updates will be done on the migrated data
- No changes to CNF file

Overall Impact

Low

High Level Cost Estimate

17,250 - 28,750 GBP

Option 4 - System Impact Assessment

Application:	SAP ISU				
System Component:	Process Code				
Development Type:	Code Change				
Impacted User(s):	Shippers / DNs / IGTs				
Build Type:	Existing				
Change Description:	System needs to to remove the AQ validation from CNC in order to update PSR code for LSP sites. Also remove the existing rejection for the response file (.CNR) for this scenario				

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 4 - Process Impact Assessment

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	Low	No	No	No	No	No
Metering (Reads)	n/a	n/a	n/a	n/a	n/a	n/a
Reconciliation	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Capacity	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Commodity	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Amendment	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Other	n/a	n/a	n/a	n/a	n/a	n/a
Rolling AQ	n/a	n/a	n/a	n/a	n/a	n/a
Formula Year AQ	n/a	n/a	n/a	n/a	n/a	n/a
RGMA	n/a	n/a	n/a	n/a	n/a	n/a
DSC Service	n/a	n/a	n/a	n/a	n/a	n/a
Other (Specify)	n/a	n/a	n/a	n/a	n/a	n/a

Option 6 - High Level Impact Assessment

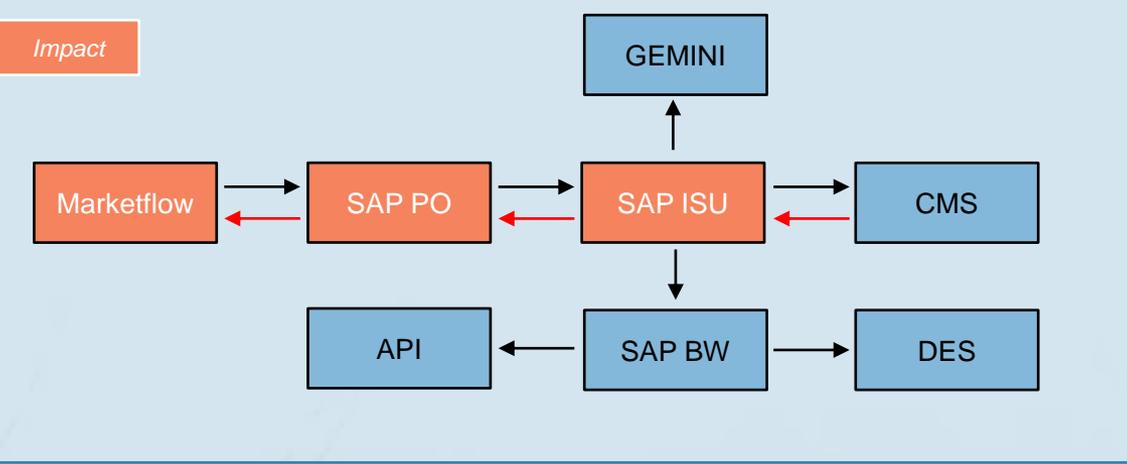
6 – Amend the CNF hierarchy to allow PSR information to be sent at confirmation of a LSP and change the validation of the CNC to a higher threshold (option 3) or to remove the validation

This solution option looks to amend the CNF hierarchy to allow PSR information to be sent at confirmation of a LSP. The CNF file will need to include the S83 (END_CONSMR_DETAIL) and S84 (SPECIAL_CONDITION) segments under S66 (CONTACT_DETAILS) of S38 (SMP Offer Confirmation).

The code will also be modified to either change the AQ validation from 73,200 kWh to 732,000 kWh in SAP ISU from CNC in order to update PSR code for LSP sites (option 3) or remove the validation (option 4). This will also remove the existing rejection for the response file (.CNR) for this scenario.

Consideration: AQ range is a configurable value

Impacted Systems



Assumptions

- No impact envisaged to SAP BW.
- No retrospective updates will be done on the migrated data

Overall Impact

Medium

High Level Cost Estimate

46,000 - 57,500 GBP

Option 6 - System Impact Assessment

Application:	Marketflow	SAP PO	SAP ISU	
System Component:	File Format	Process Code	Process Code	
Development Type:	Configuration	Interface	Code Change	
Impacted User(s):	Shippers	Shippers	Shippers / DNs / IGTs	
Build Type:	New	New	Existing	
Change Description:	System needs to be configured to allow the flow of the .CNF file containing the new segments	System needs to be configured to allow the flow of the .CNF file containing the new segments	System needs to either change the AQ validation from 73,200 kWh to 732,000 kWh or remove the AQ validation from CNC in order to update PSR code for LSP sites. Also remove the existing rejection for the same from the response file (.CNR) for this scenario	

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

Option 6 - Process Impact Assessment

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	Medium	Yes	No	No	No	No
Metering (Reads)	n/a	n/a	n/a	n/a	n/a	n/a
Reconciliation	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Capacity	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Commodity	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Amendment	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Other	n/a	n/a	n/a	n/a	n/a	n/a
Rolling AQ	n/a	n/a	n/a	n/a	n/a	n/a
Formula Year AQ	n/a	n/a	n/a	n/a	n/a	n/a
RGMA	n/a	n/a	n/a	n/a	n/a	n/a
DSC Service	n/a	n/a	n/a	n/a	n/a	n/a
Other (Specify)	n/a	n/a	n/a	n/a	n/a	n/a