

Business Principles

for

Supply Point Register

Xoserve Project Nexus

Submitted to
Project Nexus Workgroup (PN UNC)

Author (for this version):	Xoserve
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1. Glossary

Term / Acronym	Definition
Check Read	
CSEP	Connected System Exit Point; meter points on an iGT network.
DCC	DataCommsCo
DECC	Department Energy Climate Change
LDZ	Local Distribution Zone
LSP	Larger Supply Point
MSF	Market Sector Flag
NTS	National Grid Transmission
SME	Small & Medium Sized Enterprises
SMIP	Smart Metering Implementation Programme
SSP	Smaller Supply Point

2. Document Purpose

The purpose of this document is to ensure that the business requirements associated with the referenced change have been accurately captured and to clearly specify these requirements to the Project Nexus UNC Workgroup (PN UNC). Adequate information should be provided to enable the industry to approve the documented requirements for Cost benefit Analysis at a later stage.

The contents refer to the business scope of the change and provide descriptions of the business requirements and the relevant existing and future process maps.

Until the approved version, this document will contain draft business rules for the different options identified by PN UNC around Supply Point Register arrangements. These options have been documented for further discussion and clarification at the meetings of the PN UNC Workgroups.

2.1. Intended Audience

- Xoserve
- Gas Shippers/Suppliers
- Gas Transporters (Large and Small)
- Customer Representative

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3. Executive Summary

3.1 Introduction to the change

This document defines the principles for the requirements relating to the Gas Transporters Supply Point Register.

The document has been based on presentations and discussions at the Project Nexus UNC Workgroup. The options have been documented for further discussion and clarification. All areas within the document are yet to be agreed and finalised.

All square brackets: **[]** represent areas for clarification which must be resolved by the Workgroup prior to the business rules being finalised.

3.2 Implementation Timescales

Implementation of the developed solution will be confirmed once all requirements are captured following the Project Nexus Requirements Definition Phase.

3.3 Change Drivers and Business Goals

3.3.1 Drivers

3.3.2 Business Goals

3.4 Change Background

The changes have been identified as a result of Xoserve's Project Nexus consultation for the replacement of UKLink systems and following DECC's consultation on Smart metering and Supplier licence obligation for the installation of advanced meters.

3.4.1 Areas Identified in the Initial Requirements Register (IRR)

IRR Reference	Requirement	Workgroup Outcome
1.5	Requirement for basic profile data to be provided to allow accurate quoting and purchasing	
1.7	Raise an enquiry on a SSP and receive back the same information as currently received for the LSPs	
1.10	When a consumer exercises their right to change Supplier, the industry needs to consider if it is prepared to share consumption data with other Shippers	

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IRR Reference	Requirement	Workgroup Outcome
10.6	Support multiple Suppliers/Shippers per legal entity	
10.9	Inclusion of CSEPs and Unique Sites within Nexus	
11.3	Control of static non-commercial industry data. Data items such as those relating to end users' address details which are considered to be static should have an increased centralisation of maintenance activities to ensure consistency across the industry	
13.11	More direct relationships between the MAM and Xoserve	
13.25	Remove the manual processes currently associated with Shared Supply Meter Points and Unique Sites	
13.27	Systematise processes that are currently managed outside of the core system, e.g. Unique Sites, Prime & Subs etc.	

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3.4.2 Business Issues Raised during the PN UNC Workgroups

Requirement	Workgroup Outcome
Where metering equipment is fitted which derives the meter reading (opposed to those that transmit an actual meter reading), obligations placed on the Shipper to carry out a 'Check Read' to measure any drift between the meter and the equipment	
Remove the complexities associated with multi Meter Point Supply Points	
Review the current differentiation of the gas market and consider further separation of the I&C sector	

3.5 Licence and Contract Impacts'

3.5.1 UNC Impacts

- Provision of Consumption Data
 - TBD Section G1.17

3.5.2 Licence Impacts

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3.6 Related Documents

Document Title	Location
PN UNC Workgroup	Joint Office Website

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4. Benefits

These will need to be aligned with the Transporters relevant objectives.

4.1 Industry Benefits

4.1.1 Check Reads

4.1.2 Gas Supply Meter Points

4.1.3 Single Meter Point Supply Points

- Remove system complexity
- Simplifies future system build under Nexus
- More cost reflective charging
 - Aggregated SOQ for Capacity Charges result in “band shift”
 - Use of flat rates for Customer Charges
 - Alignment with smart metering / electricity arrangements
 - Supply Point data at Meter Point level (e.g. Market Sector Code)
 - Treatment in Emergency arrangements (e.g. load shedding)

4.1.4 Provision of Consumption Data

- To provide a potential proposing Shipper with additional information so they can be as equally informed as the existing Shipper
- Encourage competition
- Improve the efficiency of the current market by allowing Shippers to provide consumers with accurate quotes based on historical consumption

4.1.5 Market Sector Flag

4.1.6 Consumer Classification

- To provide a central register of vulnerable customers and ‘Priority Consumers’.

4.2 Disadvantages

4.2.1 Check Reads

4.2.2 Gas Supply Meter Points

- Developing functionality which may not be required.

4.2.3 Single Meter Point Supply Points

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- Misalignment with supply contracts
- Increase in charges for some Meter Points through disaggregation
 - Approx 0.27% of Meter points (15.6% of LSP market)

4.2.4 Provision of Consumption Data

4.2.5 Market Sector Flag

4.2.6 Consumer Classification

- If the data is not updated a consumer can be classified incorrectly providing false data to new Shippers or Networks.

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5. Change Scope

5.1 In Scope

Function:

- Maintenance of asset data - Check Read indicator
- Provision of consumption data
- Composition of a Supply Point
- Market Sector Flag
- Classification of a consumer

Market Sector:

- All gas supply meter points;
 - iGT (CSEP) NDM sites
 - Unique Sites including Daily Metered CSEPs (iGT sites above the DM Mandatory threshold)
 - NTS Sites
 - Interconnectors
- LPG sites

5.2 Out of Scope

Function:

- Any other function not described as 'in scope'

Market Sector:

- None identified.

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Detailed Requirements Analysis

6. Assumptions

6.1 Project Assumptions

1. The business rules will need to be appropriate for dumb metered sites as well as remotely read sites
2. Continual monitoring to take place of SMIP developments to ensure alignment with parties obligations and DCC services

6.2 Process Assumptions

6.2.1 Check Reads

1. The Check Read obligation will not default to the GT where the Shipper has failed to carry out the Check Read or submit the details of the Check Read.
2. The GT will not police the Check Read obligation.

6.2.2 Gas Supply Meter Points

6.2.3 Single Meter Point Supply Points

6.2.4 Provision of Consumption data

1. The record of the warrant from the consumer will be held by the Supplier/Shipper and not Xoserve.
2. Energy continues to be calculated and recorded at Meter Point level for directly connected sites
3. The Supplier has gained the relevant permission to obtain the data from the consumer
4. The Market Sector Flag for the Supply Point/Meter Point is recorded correctly on the Supply Point Register
5. The data provided will be the data held on the Supply Point Register, Xoserve will not be required to source data from other systems or parties

6.2.5 Market Sector Flag

1. Shippers will update the MSF from the current 'I' or 'D' to any new codes implemented, a default will not be applied.

6.2.6 Consumer Classification

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6.3 Dependencies

- Approval of the requirements by PN UNC
- Approval by Ofgem following the appropriate UNC Modification process
- With respect to the provision of consumption data, outcome of SMIP regarding security of data

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6.4 Risks/Issues

6.4.1 Project

1. There may be opposition to any potential Modifications raised, particularly because not all Shippers/Suppliers/Transporters attend the Workgroups or are represented.

6.4.2 Check Reads

6.4.3 Gas Supply Meter Points

6.4.4 Single Meter Point Supply Points

6.4.5 Provision of Consumption data

1. The volume of data may impact system performance especially during peak periods for contract negotiations
2. The requirement may not be a long term requirement as consumers become more aware of their consumption following the installation of a Smart meter they may have and retain their consumption history.
3. The Supplier may submit a request for a period longer than the consumer has occupied the premise therefore the Shipper may obtain data for the previous consumer where the permission has not been gained.
4. A representative from the Gas Customer Forum raised concerns on behalf of large gas consumers. Attendees of the Gas Customer Forum (as per minutes on 26th July 2010) expressed strong concerns that the service should not allow “fishing trips” by Shippers/Suppliers – the customer should be in control of their data. This was supported by some attendees of the AMR Workgroup.
5. Consensus could not be gained by the AMR Workgroup on whether a check should be carried out by xserve to ensure only data is submitted for I&C Supply Points.

6.4.6 Market Sector Flag

6.4.7 Consumer Classification

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6.5 Constraints

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7. Overview of Business Processes

7.1 Current Processes and Process Maps

7.2 To-Be Processes and Process Maps

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8. Business Principles

The business principles below have been derived from the Initial Requirements Register and subsequent discussions at the Project Nexus UNC Workgroup.

These principles are only aspirations at present, which have been expressed by one or more stakeholders, and are not yet supported by the consensus of the Workgroup.

8.1 Check Read

The requirement for the GT to monitor the Check Read obligation was identified during the 'Meter Read Submission and Processing and Settlement Arrangements' Workgroup.

A Check Read is only required on certain types of metering equipment where the read transmitted is derived from pulses from the meter as opposed to transmitting an actual meter read.

Proposed Process

- 8.1.1 Shipper will notify the GT that the metering equipment fitted at the meter point is the type that will derive the meter read.
- 8.1.2 The data will be stored on the Supply Point Register against the meter point as part of the meter asset data items.
- 8.1.3 The equipment type will trigger the requirement for a Check Read at the required timescale (see Section 5.18 of the 'Meter Read Submission and Processing and Settlement Arrangements' BRD).
- 8.1.4 The Shipper will notify the GT when the Check Read was carried out with the other required information (e.g. reads taken and drift for reconciliation purposes).
- 8.1.5 The date of the Check Read will be recorded and will trigger the due date for subsequent Check Read notices.
- 8.1.6 One [1] month before a Check Read is due the GT will submit a notice notifying the Shipper of the Check Read due date.
- 8.1.7 Where there has been a change of Shipper the Check Read obligation will be transferred to the new Shipper.
- 8.1.8 The date of the last Check Read will be issued to the new Shipper via the transfer of ownership files (MRI file) which is submitted between D-7 and D-5 of the transfer effective date.
- 8.1.9 A monthly report produced detailing the Meter Points where a Check Read has not been carried out [1] month after the due date. The report will include the Shipper responsible for the MPRN at the time it is produced.

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8.2 Gas Supply Meter Points

The Supply Point Register currently holds details of the majority of meter points for large GTs directly connected sites only (the exception being 'Unique Sites'). There are a number of separate databases which hold and maintain data for certain meter points.

There is an aspiration for all gas meter points to be held and maintained on one central Supply Point Register.

- 8.2.1 Potential for the GTs Supply Point Register to hold the relevant details of all gas meter points. This may include (each category of site would be dependent on cost/benefit analysis);
 - iGT sites (CSEPs)
 - LPG sites
 - Unique Sites
- 8.2.2 The Supply Point Register to be flexible enough to accommodate different types of meter points (e.g. those listed under 8.2.1) and the relevant transportation processes are either switched on or off for those sites.

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8.3 Single Meter Point Supply Points

Currently a Supply Point can comprise a single Supply Meter Point or multiple Supply Meter Points (UNC G1.1.1a)

A Supply Point must comply with the Single Premises Requirement (UNC G1.4);

- Owned or occupied by one person;
- In close geographical proximity to each other;
- Comprised within a common curtilage; and
- Which serve each other in some necessary or reasonably useful way

- 8.3.1 Limit a Supply Point to only comprise a single Supply Meter Point (i.e. one MPRN per Supply Point)

Note: This may be removed as a Project Nexus requirement if a Modification is raised.

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8.4 Provision of Consumption Data

Currently consumption data for a Supply Point is not issued to a Shipper requesting information relating to a Supply Point. One of the areas some Shippers believed could be enhanced was the Supply Point Enquiry process. Shippers requested additional information on the Supply Point Enquiry to aid accurate quotes to the end consumers. Currently only the AQ can be obtained from Xoserve by a non Registered Shipper.

Proposed Process

- 8.4.1 **Applies to I&C sites only.** The Market Sector Flag will be used to validate that the premise is a commercial property. Requests for a premise with a MSF of 'D' will be rejected.

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8.4.2 Shippers will submit a request for consumption data for a Meter Point. The request will include the start and end date or a period (e.g. 12 months) for the consumption data.

8.4.3 Requests are made at Supply Point level although the consumption data provided will be at Meter Point level (each meter Point within the Supply Point).

8.4.4 The Shipper submitting the request must be contemplating submitting a Supply Point Nomination (as detailed under UNC Section G1.17).

8.4.5 The consumption data provided will be in kWh and will be the latest consumption (following any updates) prior to the date of receipt of the request.

8.4.6 The additional data to be included on the new Supply Point Enquiry is;

- Meter Point Consumption, based on an actual or estimated meter reading
- Consumption (reading) date
- The Read Type that the consumption was calculated from

8.4.7 The consumption data provided by Xoserve will be for a maximum of [12] months or, if [12] months is not available; the maximum available for the Supply Point.

8.4.8 The consumption data held on the Supply Point Register will be issued to the shipper, whether daily consumption, monthly, annual etc.

8.4.9 The response, whether accepted or rejected, will be issued within the UNC timescales (currently 2 business days although timescales may be reviewed).

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8.5 Market Sector Flag

Currently a premise can be identified as I&C or Domestic via the Market Sector Flag (MSF). It is mandatory for the flag to be populated & updated by the Shipper as per UNC xxxx. The flag is sent to the proposing Shipper on transfer of ownership.

8.5.1 Extend the MSF to include a category for micro businesses and small medium enterprises. Both of these categories are I&C consumers.

8.5.2 The MSF will therefore have the following categories:

- 'I' = Industrial & Commercial
- 'S' = Small medium enterprises
- 'M' = micro business
- 'D' = Domestic

8.5.3 The 'S' and 'M' categories will be classed as an I&C premise for the purposes of GT reporting.

Note: UNC will need to define the classification of these categories to ensure consistency.

8.6 Consumer Classification

Currently Shippers nominate Supply Points as Priority Consumers. The details are held on a separate database and sent to Networks when required.

Shippers also submit 'Special Conditions' for a consumer for use in emergency situations, for example a contact password, code specifying if the consumer is blind, deaf etc and further information relating to the consumers special needs.

8.6.1 A facility to identify a consumer at a premise by use of a code or flag.

8.6.2 The categories identified are 'Vulnerable Customer' and 'Priority Consumer'.

Note: It will be the Shippers responsibility to update and maintain this data. It is important that the Shippers update the data when the category is no longer applicable.

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9. Transitional Rules

Transitional rules may be required to deal with the period immediately before and after the implementation of these rules.

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10. Non-Functional Business Requirements

10.1 Volumes

The following information is only an estimate at this stage, a more accurate estimate of potential volumes will be required during the analysis phase.

10.1.1 Check Reads

- Between approx. 55,000 and 630,000 meter points.

10.1.2 Gas Supply Meter Points

- Unique Sites: Approx. 200 Meter Points
- CSEPs: Approx. 1.5 million meter points
- LPG sites: Approx. 2,000 meter points

10.1.3 Single Supply Meter Points

- Potential increase of approx. 57,500 Meter Points. The following stats are as at July 2011.

	Supply Points	Meter Points	Difference
SSP	21,336,377	21,342,650	6,273
LSP	276,942	328,250	51,308
Total	21,613,319	21,670,900	57,581

10.1.4 Provision of Consumption Data

- Potentially 400,000 Meter Points (however this may be an over or under estimate as there are approx. 630,000 Meter Points with a MSF of 'I' and 55,600 Meter Points with an AQ above 732,000 kWh).
- On average 3-4 Suppliers may require the data per Meter Point
- Peak demand may be twice a year in April and October

10.1.5 Market Sector Flag

10.1.6 Consumer Classification

- There are currently approx. 500 Priority Consumers

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11. Appendices

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12. Document Control

Version History

Version	Status	Date	Author(s)	Summary of Changes
0.1	Draft	07/11/2011	Xoserve	First draft
<u>0.2</u>	<u>Draft</u>	<u>22/11/2011</u>	<u>Xoserve</u>	<u>Updates following agreement at PN UNC on 21/11/2011</u>

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Reviewers

Name	Version	Date
Workgroup attendees		

Approval

Name	Role	Date
Reconciliation Workgroup		
PN UNC		

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