





UNC Modification		At what stage is this document in the process?
<h1>UNC 0654:</h1> <h2>Mandating the provision of NDM sample data</h2>		<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="border: 1px solid green; background-color: #2e8b57; color: white; padding: 2px; display: inline-block;">01 Modification</div> <div style="border: 1px solid blue; background-color: #add8e6; padding: 2px; display: inline-block;">02 Workgroup Report</div> <div style="border: 1px solid purple; background-color: #d8bfd8; padding: 2px; display: inline-block;">03 Draft Modification Report</div> <div style="border: 1px solid orange; background-color: #ffcc99; padding: 2px; display: inline-block;">04 Final Modification Report</div> </div>
<p>Purpose of Modification:</p> <p>This modification is seeking to introduce an obligation into the UNC for the provision of regular NDM sample data to the Central Data Services Provider (CDSP).</p>		
	<p>The Proposer recommends that this modification should be:</p> <ul style="list-style-type: none"> subject to self-governance assessed by a Workgroup <p>This modification will be presented by the Proposer to the Panel on 19 April 2018. The Panel will consider the Proposer's recommendation and determine the appropriate route.</p>	
	<p>High Impact NA</p>	
	<p>Medium Impact: Shippers / CDSP</p>	
	<p>Low Impact: Transporters</p>	

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Timetable	
The Proposer recommends the following timetable:	
Initial consideration by Workgroup	01 May 2018
Workgroup Report presented to Panel	19 July 2018
Draft Modification Report issued for consultation	19 July 2018
Consultation Close-out for representations	09 August 2018
Final Modification Report available for Panel	13 August 2018
Modification Panel decision	16 August 2018

Any questions?

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1 Summary

What

Currently NDM Sample Data can be voluntarily provided to the CDSP using the direction in the [Xoserve NDM Document](#) "Third Party Supplied NDM Sample Data Guidance and File Format Document"— it outlines the data required and in which format. There has been a noticeable reduction in the data volumes being submitted and the number of contributing organisations is extremely low. The recent activity as part of Workgroup 0631R has shown that it is possible for organisations to get this information and submit it to the CDSP. It has also proved that the new End User Categories (EUCs) being discussed as part of Workgroup 0644 cannot be supported accurately without this sample data. (Note DESC are considering what can be done with limited data given the UIG urgency but to support the analysis accurately sample data will be required).

Why

This sample data provides insight into the Class 3 and 4 customer behaviours and helps support development of allocation profiles and EUCs by the Demand Estimation Sub-Committee (DESC). Although the current Transporter sample allows viable profiles to be derived by DESC it has proved essential to boost this sample with Shipper/Supplier provided data for the past two years. The low volumes of data don't allow for accurate profiling activity – particularly in the proposed new pre-payment and small Industrial & Commercial (I&C) EUCs being developed by DESC to improve allocation. If the data cannot be provided this will prevent the required improvements to the allocation profiles which could lead to further issues within Unidentified Gas (UIG) and will certainly prevent improvements in this key area.

How

This modification is seeking to introduce an obligation to mandate the provision of NDM Sample Data on a regular basis, and at a minimum twice yearly.

To monitor the provision of the sample data an initial high-level report for the will be produced, the evolution of this report would be within the PACs remit and any sanctions they feel are appropriate. Sanctions are not being developed as part of this modification.

2 Governance

Justification for Self-Governance

The proposed changes do not have a material impact on Consumers, competition, the pipe-line system, management of the market or governance procedures. This modification is seeking to introduce reporting obligations which would qualify as Self-Governance.

Requested Next Steps

This modification should:

- be considered a non-material change and subject to self-governance
- be assessed by a Workgroup

We would support this change being developed alongside Modification 0644 - Improvements to nomination and reconciliation through the introduction of new EUC bands and improvements in the CWV given the expertise is similar. However, the timescales for UNC 0644 include some elements that should be

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implemented in this year's profiling, whereas there is not time for suppliers who are not already sending data to have this included in the 2018/19 profile generation. This Modification is therefore looking at improving next year's process and as such has no requirement to be linked to the same timescales.

3 Why Change?

Currently there is no mandated obligation for parties to share NDM Sample Data with the CDSP and over the last few years the quantity of data and participating organisations has dwindled. The limited data is impacting the development of improved profiling as there is not enough data to support the required granularity of customer types and cannot therefore support the creation of any new EUCs, such as pre-payment or small I&C supplies.

The aim of this modification is to mandate the provision of the dataset in accordance the "Third Party Supplied NDM Sample Data Guidance and File Format Document" so that each Shipper with a Product Class 3 and/or Product Class 4 portfolio provides information to support the creation of future profiles. This will ensure a representative spread across organisations and will ensure profiles represent an unbiased cross section of customers.

This is a Code matter because the current requirements are on a voluntary basis where this modification seeks to make it a mandatory obligation for a minimum data set. This wouldn't however stop parties from providing more data if they felt it would be beneficial.

It is anticipated that there will be no change to the mandated Transporter/CDSP NDM samples as these continue to form the backbone of the profile calculation.

The NDM Sample data is to be in line with the formatting outlined in the "Third Party Supplied NDM Sample Data Guidance and File Format Document". However, it is not currently proposed to make this a UNC related document as the data provision is key, rather than the format.

[The introduction of the PAC reporting will enable monitoring of the data provision and will allow the PAC to develop any required next steps.](#)

4 Code Specific Matters

Reference Documents

Third Party Supplied NDM Sample Data Guidance and File Format Document – current version 6.1:
<https://www.gasgovernance.co.uk/sites/default/files/ggf/book/2018-05/File%20Format%20%28Third%20Party%20NDM%20Sample%20Data%29%20v6.1.pdf>

Knowledge/Skills

Knowledge of the NDM Demand Estimation processes

5 Solution

It is proposed to add a clause into Section H 1.6 to mandate the provision of data with the following business rules and formatting:

- To introduce an obligation on Shippers with Product Class 3 and/or Product Class 4 Supply Meter Points to provide continuous daily gas consumption data for individual (NDM) Supply Meter Points. Data is required to support the following scheduled activities:
 - Autumn Modelling – By the 5th **BD** in October each year, the requirement is 12 months consumption data ending with the read date of 1st October.
 - Spring Modelling – By the 5th **BD** in April each year, the requirement is 12 months consumption data ending with the read date of 1st April (NOTE: 13 months data is required when the Easter holiday period begins in March of the preceding year. Easter holiday period is defined as the Wednesday before Good Friday to the Friday after Good Friday).
- Data cuts are to be provided to the CDSP in line with one of the following submission frequencies:
 - Monthly – By the 5th **BD** of each month (CDSPs preferred option to support continuous review of algorithm performance).
 - Quarterly – By the 5th **BD** of January, April, July and October each year.
 - Twice Yearly – By the 5th **BD** of April and October each year.
- Data cuts are to contain consistent Supply Meter Points where possible, as analysis requires continuous daily data for a 12 or 13 month period. It is not possible to combine two Supply Meter Point histories to create one record – once added to the sample the Supply Meter Point will continue until:
 - it is lost from the Shipper’s portfolio.
 - the meter is exchanged for a non-loggable model.
 - the meter is removed and/or meter point isolated.
- The data will be in line with the formatting outlined in the “Third Party Supplied NDM Sample Data Guidance and File Format Document” with the following format:

RECORD/FIELD NAME	OPT	DOM	LNG	DEC	DESCRIPTION
METER_POINT_REFERENCE_NUMBER	M	N	10	0	A unique numeric reference associated to the supply meter point
LDZ_INDICATOR	M	T	2	0	Identifies the local distribution zone to which the supply point is associated
METER_READ_DATE	M	D	8	0	The date that the meter/converter read relates to in order to derive the volume (i.e. the date of the closing 5am read). For example, ‘Meter_Read_Date’ of ‘02102017’ would relate

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					to the Gas Day '01/10/2017'. FORMAT: DDMMYYYY
METER_SERIAL_NUMBER	M	T	14	0	The manufacturers meter serial number from which the meter read/consumption was taken
UNCORRECTED_VOLUME	M	N	12	0	The uncorrected metered volume calculated for the relevant gas day (in Cubic Metres or Cubic Feet)
CORRECTED_VOLUME	O	N	12	0	The corrector (converter) volume calculated for the relevant gas day (in Cubic Metres or Cubic Feet)
VOLUME_UNITS	M	T	2	0	Indicator identifying the unit of measurement of the stated uncorrected / corrected volume. Allowable values: CM = Cubic Metres CF = Cubic Feet
MARKET_SECTOR_FLAG	M	T	1	0	Identifies the type of consumer to enable accurate modelling. Allowable values: D = Domestic N = Non-Domestic

Note 1:

OPT - Optional, Mandatory

DOM - Domain i.e. Text, Numeric, Date

LNG – Number of characters

DEC - Number of decimal places

Note 2:

All text fields should not be enclosed in "double quotes"

Example file:

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METER_POINT_REFERENCE_NUMBER,LDZ_INDICATOR,METER_READ_DATE,METER_SERIAL_NUMBER,UNCORRECTED_VOLUME,CORRECTED_VOLUME,VOLUME_UNITS,MARKET_SECTOR_FLAG

12345678,SO,19072014,G67354,55,56,CM,N

567891234,WM,19072014,H12345,25,,CF,D

- The file naming convention is: SM01_SSC_yyyymmddvv.CSV

Value	Description	DOM	LNG	Variables
SM01	Unique file identifier	T	4	'SM01'
SSC	The three letter shipper identifier	T	3	Shipper specific
yyyy	Year (relevant to the file date)	N	4	-
mm	Month (relevant to the file date)	N	2	'01' to '12'
dd	Day of the month (relevant to the file date)	N	2	'01' to '31'
vv	The in-day file version	N	2	Start at '01'
.CSV	File extension	T	4	'CSV'

- Mirroring the current guidance, the business rules would be:
 - The Supply Meter Point must exist on the Sites and Meters system.
 - The Supply Meter Point status must be Non-Daily Metered (i.e. Product Class 3 or 4).
 - The Supply Meter Point must be Live (LI).
 - They must be randomly selected, covering all consumption bands supplied (excluding Band 09 – sites with AQs greater than 58,600 MWh).
 - A maximum of 100 Supply Meter Points per EUC (End User Category), per LDZ (Local Distribution Zone), per Shipper is suggested and should be proportionally distributed across all EUCs within the Shippers portfolio.
- An additional business rule to the current requirements are to include a minimum submission of 100 Supply Meter Points proportionally distributed across all EUCs so it represents the Shipper Users portfolio
 - This requirement is to ensure that all qualifying Shippers (portfolio >25,000) actively provide some data
 - If all Supply Meter Points are within 1 EUC the minimum of 100 will be expected as it is representative of the Shipper Users portfolio
- Where a Shipper has a portfolio which contains both GT and IGT Supply Meter Point(s) the sample should contain a selection of both
 - The sampling ratio between GT and IGT will be at the discretion of the Shipper but it is recommended to have a minimum of 1 Supply Meter Point per EUC per LDZ

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- Shippers with smaller portfolios will be required to participate on a reasonable endeavours basis
 - Threshold of <25,000 Supply Meter Points
 - Supply Meter Points must meet the criteria for submission e.g. have 12 (or 13) months of sample data
 - Shippers can submit data but once the Supply Meter Point count is greater than 25,000 the data must either be submitted monthly, quarterly or twice yearly in accordance with the submission rules
 - Once the threshold of 25,000 has been crossed the requirement to submit data continues regardless if the portfolio dips below 25,000 in the future
- Although the current guidance stipulates a maximum of 100 Supply Meter Points, if parties wish to submit additional data this should not be precluded but by bilateral agreement with the CDSP
- Currently there is not an IX flow to submit this data and until such time this is developed the submission of this data is via password encrypted .CSV file to the designated CDSP mailbox Emails should be titled "SM01: Sample Data" and should be emailed to the following box account:
xoserve.demand.estimation@xoserve.com
- Amendments to the sample format post implementation will be via standard DSC Change Management governance

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Creation of a PAC report to monitor data submissions

Under Section V 16.5.3 any amendments to the Performance Assuring reporting needs to be delivered via changes to the Performance Assurance Framework - Performance Reports Register document. Below are the requirements Reports Register document as well as low level reporting requirements.

- A PAC report is to be provided to monitor Shipper participation and ensure the data is provided in a timely manner
 - The report will be run a minimum of twice a year with the opportunity for PAC to request adhoc reports
 - Reports will be run no later than 1st May and 1st November
 - Where a Shipper as >25,000 and hasn't submitted either a monthly or twice yearly sample they will be included in the report and will have a 0% shown for their submission
 - Where the Shipper provides a monthly or quarterly sample the report will show the latest submissions information
 - The high-level report will contain the data outlined below – any further information required by PAC will be developed by the PAC

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Shipper	Submission Date YYYYMMDD	<25,000 Y/N	% of portfolio Supplied	Contains IGTs Y/N	Monthly, Quarterly or Twice Yearly submission	Received within 5WD window Y/N
Shipper A	NA	Y	NA	NA	NA	NA

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Shipper B	20190403	N	3%	Y	Monthly	Y
Shipper C	NA	N	0%	NA	NA	N

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6 Impacts & Other Considerations

Does this modification impact a Significant Code Review (SCR) or other significant industry change projects, if so, how?

None

Consumer Impacts

None

Cross Code Impacts

There are anticipated changes in the IGT UNC so an IGT UNC Modification (IGT110) has been sponsored by E.ON, this modification seeks to point at the UNC text rather than have an independent solution.

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No impacts are anticipated for the SPAA.

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EU Code Impacts

None

Central Systems Impacts

NDM Sample Data is already loaded when provided and unless any formatting changes are suggested via the workgroup there are no anticipated impacts other than an increase in the volume of data received.

The creation of the PAC reporting will require CDSP development but can be delivered as part as a minor release.

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7 Relevant Objectives

Impact of the modification on the Relevant Objectives:

Relevant Objective	Identified impact
a) Efficient and economic operation of the pipe-line system.	None
b) Coordinated, efficient and economic operation of (i) the combined pipe-line system, and/ or (ii) the pipe-line system of one or more other relevant gas transporters.	None
c) Efficient discharge of the licensee's obligations.	None
d) Securing of effective competition: (i) between relevant shippers; (ii) between relevant suppliers; and/or	None

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(iii) between DN operators (who have entered into transportation arrangements with other relevant gas transporters) and relevant shippers.	
e) Provision of reasonable economic incentives for relevant suppliers to secure that the domestic customer supply security standards... are satisfied as respects the availability of gas to their domestic customers.	None
f) Promotion of efficiency in the implementation and administration of the Code.	Positive
g) Compliance with the Regulation and any relevant legally binding decisions of the European Commission and/or the Agency for the Co-operation of Energy Regulators.	None

This modification has a positive impact on Relevant Objective F) as the data provision will have a positive impact on the profiling within the demand forecasting process for new and existing EUCs leading to improved allocation and reduced UIG. [The PAC reporting will ensure monitoring and compliance checks are completed on the data provision.](#)

8 Implementation

As self-governance procedures are proposed, implementation could be sixteen business days after a Modification Panel decision to implement, subject to no Appeal being raised

9 Legal Text

Text Commentary

To be provided by Transporters

Text

To be provided by Transporters

10 Recommendations

Proposer's Recommendation to Panel

Panel is asked to:

- Agree that self-governance procedures should apply
- Refer this proposal to a Workgroup for assessment.