

# **Project Nexus iGT Single Service Provision, background, data preparation and migration exercise, and transition**

## **An explanatory document**

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Appendix 1 draft shipper portfolio report

Version	Date	Reason for release
1.0	27 <sup>th</sup> October 2014	First publication
2.0	January 2015	Updated with draft Shipper portfolio from data preparation database – see appendix 1 and a small addition to section 8.1.

Disclaimer – the purpose of this document is to provide explanation of the overall arrangements, it does not replace any of the requirements detailed in supporting network codes modifications. In the event of any conflict between this document and network codes modifications, the network codes modifications will prevail.

## Related documents

Business Requirements Document Project Nexus iGT Agency Services	<a href="http://www.gasgovernance.co.uk/sites/default/files/IGT%20BRD%20v3.0_Baselined.pdf">http://www.gasgovernance.co.uk/sites/default/files/IGT%20BRD%20v3.0_Baselined.pdf</a>
UNC Modification 0440 – Project Nexus iGT Single Service Provision.	<a href="http://www.gasgovernance.co.uk/sites/default/files/Final%20Modification%20Report%200440%20v2.0.pdf">http://www.gasgovernance.co.uk/sites/default/files/Final%20Modification%20Report%200440%20v2.0.pdf</a>
Final Modification Report (including business case and scope of services)	
UNC Modification 0467 Project Nexus - iGT Single Service Provision; data preparation.	<a href="http://www.gasgovernance.co.uk/sites/default/files/Final%20Modification%20Report%200467%20v2.0_0.pdf">http://www.gasgovernance.co.uk/sites/default/files/Final%20Modification%20Report%200467%20v2.0_0.pdf</a>
Final Modification Report	
Non-Code User Pays Services Schedule change	<a href="http://www.gasgovernance.co.uk/sites/default/files/User%20Pays%20BER%20CO007%20iGT%20Customer%20Data%20Preparation%20Service%20v2.pdf">http://www.gasgovernance.co.uk/sites/default/files/User%20Pays%20BER%20CO007%20iGT%20Customer%20Data%20Preparation%20Service%20v2.pdf</a>
iGT UNC modification 039 – Use of a Single Gas Transport Agency for the common services and systems and processes required by the iGT UNC	<a href="http://www.igt-unc.co.uk/Modifications/Open+Modifications/iGT039DG">http://www.igt-unc.co.uk/Modifications/Open+Modifications/iGT039DG</a>

### **1. Introduction**

This document provides a summary of the iGT Data Preparation exercise being undertaken to prepare iGT supply point register data ready for migration to the UK Link System for the iGT Single Service Provision arrangements.

This document also brings together a number of separate presentations made to the industry and provides an overview of the iGT Single Supply Point arrangements and the supporting data preparation exercise.

In addition, a section on transition matters is included.

The document will be maintained as required and will form part of the suite of Nexus documents published on the Joint Office website for reference.

As part of the maintenance of this document any questions or points of clarification specifically on the topics covered within this document should be submitted to:

[externalrequests.spa@xoserve.com](mailto:externalrequests.spa@xoserve.com)

## **2. Overview of iGT Single Service Provision**

From Project Nexus Go-Live Date (1<sup>st</sup> October 2015) Xoserve is to provide a range of services on behalf of iGTs to the gas industry. This includes the provision of a single supply point register containing all iGT and GT supply points against which Shipper activities with iGTs, GTs and between Shippers can be transacted regardless of GT type, e.g. the change of supplier processes, meter asset updates, meter read submissions etc, the AQ review process and other services. Standard file formats will be used for all transactions, changes will be required to accommodate some additional data needed to support iGT supply points, but from a Shipper perspective there will be a single interface with Xoserve for transactions regardless of GT type.

The iGTs will retain the transportation invoicing activity (calculation and submission to Shippers). There is no change to the GT and iGT transportation charging principles as a result of the single service provision arrangements.

Modifications are required to each GT UNC and iGT UNC. A modification has been raised to each UNC to give effect to the arrangements. These are:

- GT UNC modification 0440 Project Nexus iGT Single Service Provision, and;
- iGT UNC Mod 039 Use of a single Gas Transporter agency for the common services and systems and processes required by the iGT UNC

In summary, GT modification 0440 creates the arrangements between the GTs and iGTs to enable iGT Agency Services, and iGT modification 039 creates the scope of the work in the iGT UNC to be performed by the iGT agency (Xoserve). It is expected there will be a licence condition equivalent to the GT Standard Special A15 condition, requiring the iGTs to use a single agency for the performance of the common services.

Modification 0467 Project Nexus - iGT Single Service Provision; data preparation, has been developed to create an obligation on the iGTs to support the data preparation exercise.

## **3. Overview of the Data Preparation exercise**

The 5 iGT organisations each maintain their own supply point register. In order to incorporate iGT supply points within UK Link system to enable the single service provision arrangements, the iGT data has to be prepared such that it will fit within the UK Link data model.

Xoserve has built a database to prepare the iGT data ready for migration to the UK Link system. The database will hold the iGT master data (iGT Licence Holder name, shortcode etc).

The iGTs will provide an initial download of their supply point register to Xoserve. This data will be prepared and some new data items created e.g. a new CSEP Id will be created.

Once the first exercise has been completed the iGTs will provide further updated data created or changed as a result of day to day business activities to Xoserve. Initially the iGTs will provide monthly updates, but this will increase to weekly and then daily in the month before cutover.

There is a requirement for the iGTs to take the data extract of their data on the same day. Shippers have indicated that this will make it easier for them to validate their portfolios. Every effort will be made by iGTs to meet this requirement but it cannot be guaranteed. It should be noted that in the final month of the data preparation exercise the data updates from the iGTs will be submitted daily and so data extracts from all iGTs will be on the same day.

Xoserve shall provide portfolio reports from the database to iGTs, Shippers and GTs to ensure that all parties hold the same records. A final portfolio will be provided immediately prior to cutover to the new UK Link system.

One of the purposes of the portfolio report is to enable any data that requires cleansing or updated to be actioned before the data is cutover to the new UK Link system.

#### 4. iGT and iGT Single Service Provision Arrangements

##### 4.1 iGT organisations

There are presently 5 iGT organisations that, between them, hold 10 iGT licences. The table below sets out the arrangements.

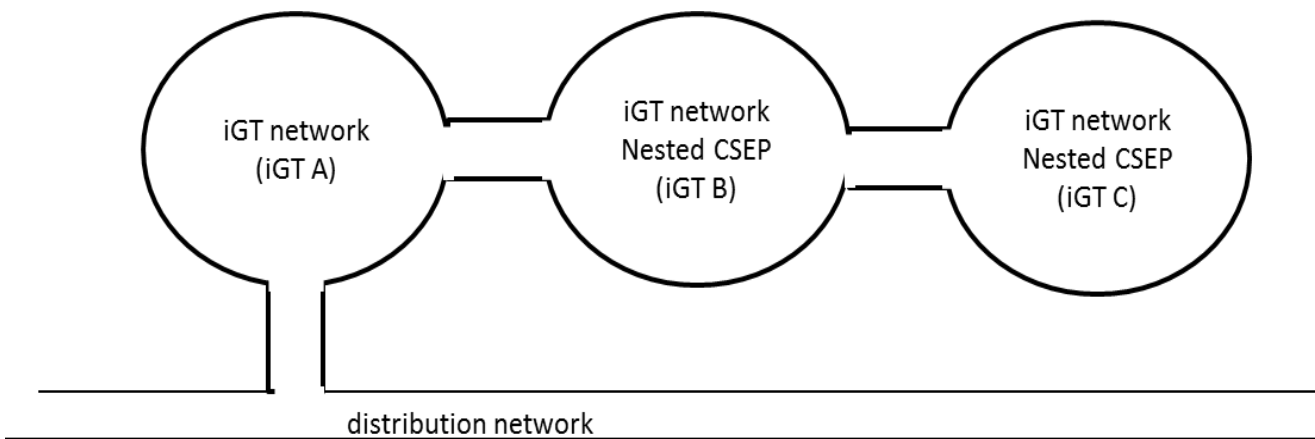
iGT organisation	iGT Licence Holder name	iGT Licence Holder shortcode
Energetics Gas Ltd	Energetics Gas Ltd	GUC
ESP Pipelines:	ES Pipelines Ltd	ESP
	ESP Connections Ltd	BGC
	ESP Networks Ltd	ELK
	ESP Pipelines Ltd	HPN
Fulcrum Pipelines Ltd	Fulcrum Pipelines Ltd	FPL
GTC	GTC Pipelines Ltd	GPL
	Independent Pipelines Ltd	ADL
	Quadrant Pipelines Ltd	EMP
SSE Pipelines Ltd	SSE Pipelines Ltd	SEP

## 4.2 Connected System Exit Point (CSEP)

A CSEP is an offtake from a Gas Transporter distribution network to a network owned by an iGT.

There are approximately 41,500 CSEPs

Where there is an offtake from a CSEP to a network owned by a different iGT, it is known as a “Nested CSEP”. There can be a chain of Nested CSEPs.



There are approximately 1100 nested CSEPs

## 4.3 Supply Meter Points

A supply meter point is the physical end point of the iGT network at the emergency control valve.

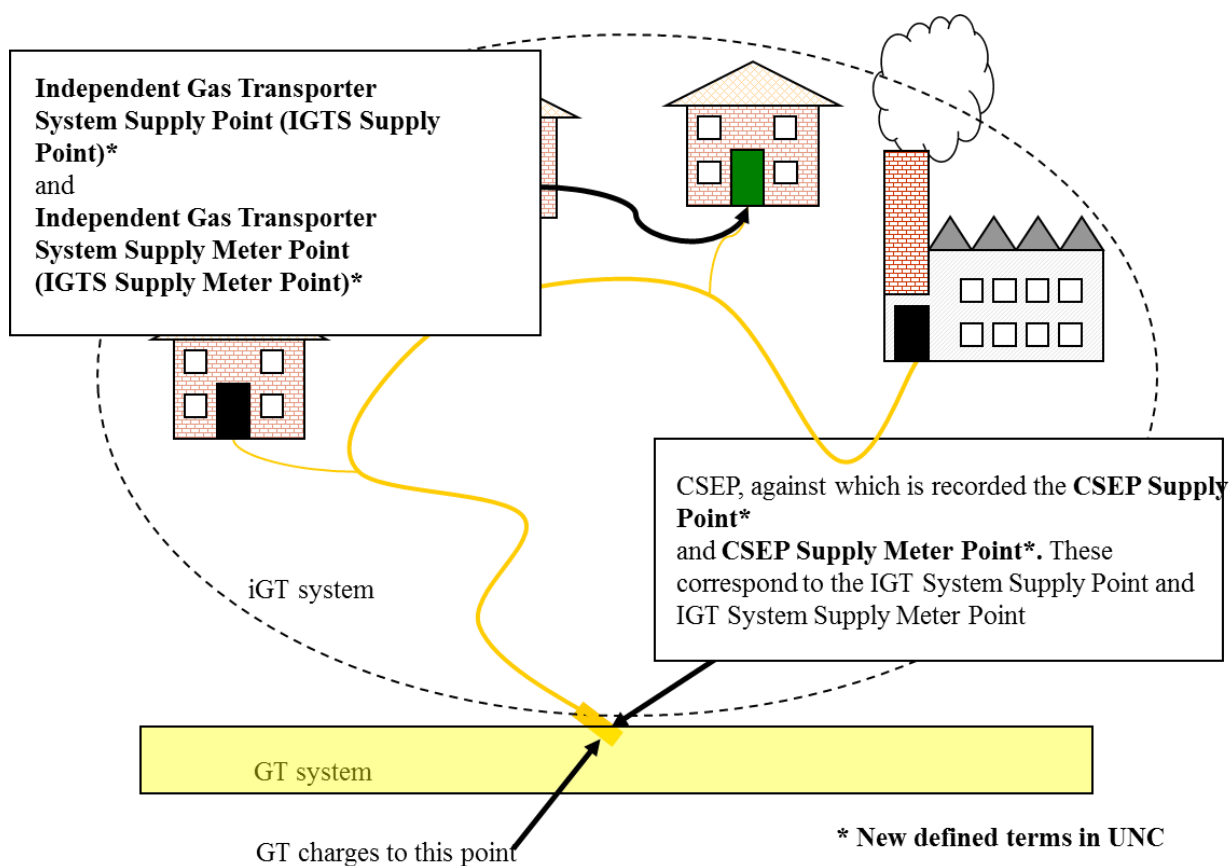
There are approximately 1,600,000 meter points, of which 4,500 are larger supply meter points, and 9 are currently daily metered.

#### 4.4 New naming conventions and arrangements

To give effect to the new arrangements and to enable Shippers to use the 4 settlement products, the present logical meter number and aggregation processes will change. In future each supply meter point and supply point to the CSEP will be recorded individually on UK Link. To make these arrangements effective new UNC defined terms are required to accurately name the physical and commercial arrangements at the CSEP.

Note: GT and iGT transportation charging principles are not affected by these new naming conventions

The diagram below sets out the new names.



The physical Connect System Exit Point (where the iGT makes a connection to a GT pipe) is still the CSEP

The point of the emergency control valve for a service pipe connection to a property on the iGT System is to be known as an **Independent Gas Transporter System Supply Meter Point (IGTS Supply Meter Point)\***.

The Independent Transporter System Supply Meter Point is also the **Independent Gas Transporter System Supply Point (IGTS Supply Point)\*** for commercial arrangements.

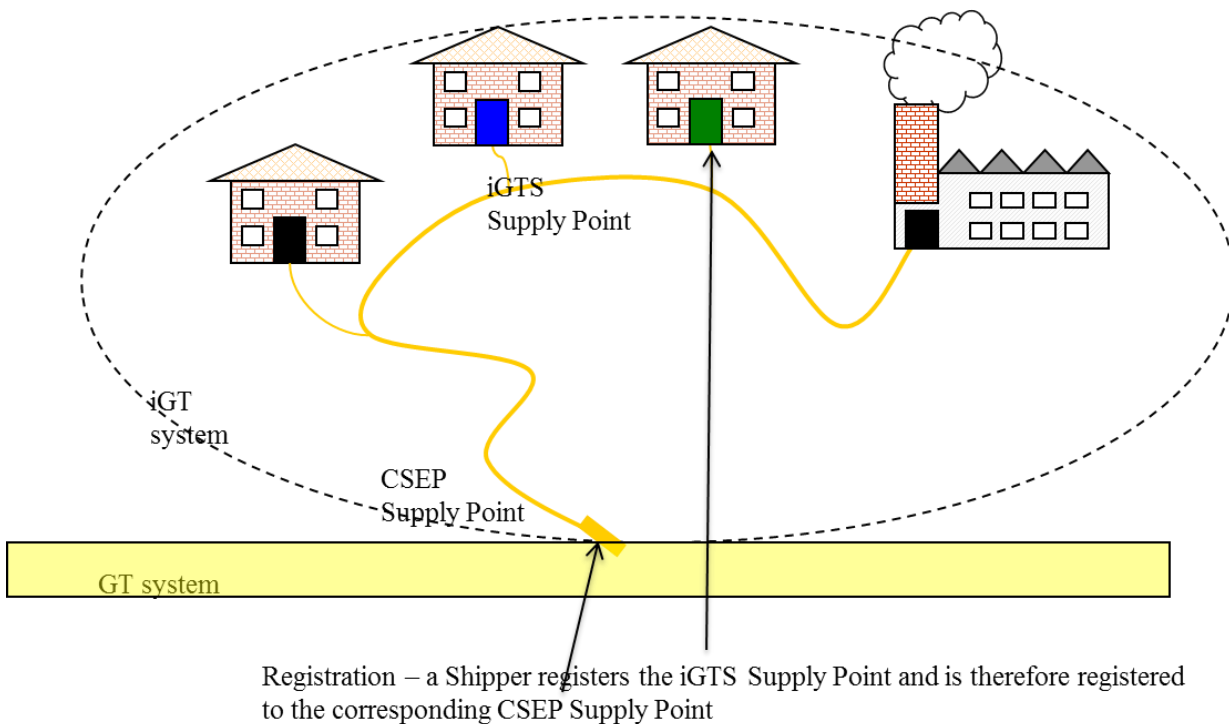
The **CSEP Supply Point\*** and the IGTS Supply Point is a one : one relationship. I.e. a CSEP Supply Point corresponds to an IGTS Supply Point.

The **CSEP Supply Meter Point\*** and IGTS Supply Meter Point is a one: one relationship. I.e. an IGTS Supply Meter Point corresponds to a CSEP Supply Meter Point recorded at the CSEP. The CSEP Supply Meter Point will not be a physical item it is a notional value against which GT services are provided.

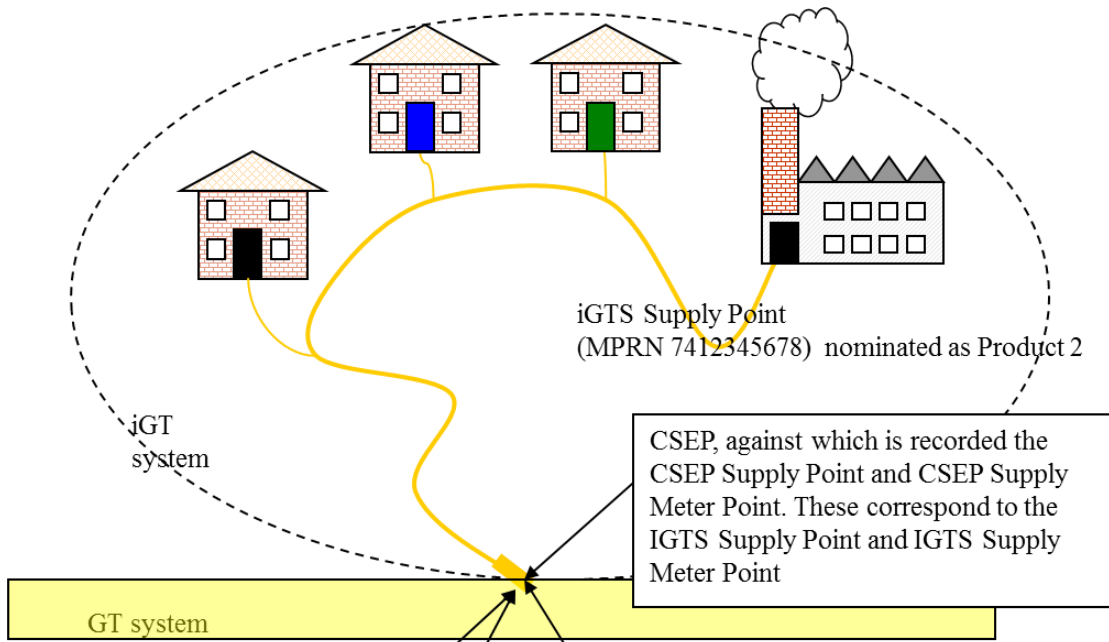
GT arrangements e.g. transportation charging etc are made up to the CSEP Supply Meter Point (at the CSEP) and not beyond.

The Shipper will select the Class (1,2,3 or 4) for each individual CSEP Supply Point. This will be done by the Shipper nominating/confirming the IGTS Supply Point with the relevant Class code. This then sets the arrangements for the GT transportation for the CSEP Supply Point.

**\* new defined terms in UNC**







Shipper makes gas nominations daily to this point (here CSEP Supply Point) for the Independent Gas Transporter System Supply Point e.g. MPRN 7412345678, for GT charges  
 Energy is allocated to this point (here CSEP Supply Point) for the Independent Gas Transporter System Supply Point e.g. MPRN 7412345678, for GT charges  
 Energy is reconciled to this point (here – CSEP Supply Point) for the Independent Gas Transporter System Supply Point e.g. MPRN 7412345678, for GT charges

## 5. Data Preparation

In order to undertake the single service provision activities on UK Link, the iGT data needs to be migrated to the UK Link system. To do this the iGT data needs to be prepared so that it will work correctly in the UK Link, Shipper, iGT and GT systems.

Each iGT maintains its own supply point register. The data structure for a supply meter point will differ slightly between each iGT and all iGT data structure differs considerably from the UK Link data structure. This is understandable as GT and iGT data started from different points.

Xoserve has built a data preparation database to prepare the iGT data ready for migration to the UK Link system. iGTs have built file formats to both send and receive data from Xoserve. The data preparation database includes extract reports for Shippers, iGTs and GTs as it is essential that Xoserve, Shipper, iGT and GT records are aligned for Nexus Go-Live. Shippers may have to undertake some preparatory work themselves to be ready for the single service provision arrangements.

### 5.1 iGT Organisation, iGT Licence Holder, CSEP (and Nested CSEP) and MPRN mapping

To enable the single service provision arrangements to work effectively, master data will be linked or mapped as required.

An MPRN needs to be mapped to the CSEP in which it resides. The CSEP then needs to be mapped to the iGT Licence Holder. The iGT Licence Holder then needs to be mapped to the iGT Organisation. A Nested CSEP needs to be mapped to its “master” CSEP (see diagram in section 4.2).

This mapping will ensure the commercial arrangements work effectively and that all relevant parties have the information needed for all services. For example, the iGT transportation charges are at meter point level and are mostly supply meter point specific. So a Shipper needs to know the supply meter point, the CSEP in which it resides and the iGT Licence Holder of the CSEP as it is the iGT Licence Holder that will issue the iGT transportation charges to the Shipper.

A new data item is being utilised for some of this mapping. This is the CSEP Id. The CSEP Id is a unique reference and will be included on some of the UK Link to Shipper file formats. The CSEP record will include information about the iGT Licence Holder, the CSEP attributes e.g. CSEP max AQ, and historic reference data e.g. project numbers, used prior to iGT Single Service Provision.

### 5.2 Shipper records

To establish the arrangements a record of each signatory to the iGT UNC is required. This will be included within the data preparation database. It is important to note that

Xoserve shall use the relevant shipper and supplier short codes as held on UK Link. These may differ from those published as market domain data on the SPAA website.

### **5.3 Supply Meter Point records**

The supply meter point will be mapped to its CSEP id. Not all supply meter points provided by the iGTs will have a registered user. Where a CSEP is under construction there is an “elected” shipper – the shipper effectively confirmed to the supply meter points within the CSEP, this is as a result of contractual arrangements being in place between Shippers and iGTs as part of the development.

The iGTs will submit all the supply meter point information for the CSEP which may include registered and yet to be registered supply points.

### **5.4 Confirmation Reference Numbers**

The current iGT arrangements do not operate in the same way with regards to a Confirmation Reference Number. To overcome this all registered (as understood by the UNC term) supply points will be provided with a new UK Link generated confirmation reference number. The confirmation number will be included within the Shipper portfolio report from the data preparation database.

### **5.5 Supply Meter Point data**

For the purpose of this explanatory document we shall say that a GT supply meter point record comprises 200 separate data items e.g. address, AQ, asset details etc. Whereas an iGT supply meter point record comprises 50 separate data items. The difference in number is largely down to the different arrangements of the GT and iGT operations.

As an example, there are some prime and sub-deduct metering arrangements on GT networks. So a GT supply meter point record will include a data item (meter link code) to indicate if it is a freestanding (F), prime (P) or sub (S) meter point. Prime and sub-deduct arrangements are not permitted on iGT networks and so the iGTs will not include the meter link code data item. For migration to UK Link the meter link code needs to be populated and this will be completed within the data preparation database.

So the iGT data needs to be prepared so that it is “complete” for the UK Link system.

### **5.6 Data structures and allowable values**

It is likely that iGT data will not match the required UK Link structure and the allowable values. E.g. address format may be different, meter reading types may be different.

The data preparation exercise will structure the data as required, and working with the industry as necessary, some values may be amended to meet the UK Link allowable values.

### **5.7 Meter readings**

A sufficient number of meter readings will need to be migrated to ensure that the new services created by modification 0432 e.g. rolling AQ, can work effectively from Go-Live.

### **5.8 AQ (all three of them)**

Three AQ values will be held. These are the RPC Entry AQ, the Billing AQ (set annually) and the Rolling AQ.

These values need to be populated in the UK Link system. Initially, the Billing AQ and Rolling AQ will be the same, but as reads are submitted and AQ reviews performed the Rolling AQ will change.

### **5.9 2015 AQ Review**

The iGTs will undertake their AQ review activities as required in 2015. Once completed, the iGTs shall provide the updated values for population in the data preparation database.

### **5.10 Work in progress**

During the course of the data preparation exercise there will be work in progress; new CSEPs, MPRN creation, asset record updates, change of Shipper events, meter reading submissions etc. There could even be new iGT Licence Holders.

Once the CSEP records have been created and the supply meter points mapped accordingly, the iGTs will submit delta files with any updated information. This information will be loaded to the data preparation database and prepared accordingly.

### **5.11 Validation / data completeness checks**

To ensure the CSEP records are complete the data provided by the iGTs will be validated by records held by GTs and Xoserve. This is an essential part of the exercise to ensure that we go live with an accurate record of CSEPs.

### **5.12 Provision of data to Shippers**

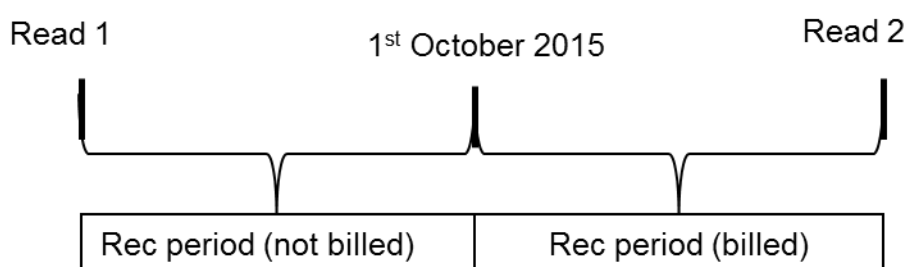
An essential part of the exercise is the provision of portfolio data to Shippers. Shippers will be provided with portfolio extracts on a monthly basis with a final extract of the data to be migrated provided shortly before cutover to the new UK Link system.

The provision of portfolio reports will allow for any data cleansing actions to be undertaken in good time and will enable Shippers to populate their systems with the new data items.

## 6. iGT Supply Point Reconciliation – pre and post Go-Live

### 6.1 Smaller Supply Point reconciliation

Modification 0432 introduces individual meter point reconciliation for all meter points. The first read post go-live will trigger a reconciliation back to the last read pre-go-live. Only the charges associated with the post go-live period will be issued.



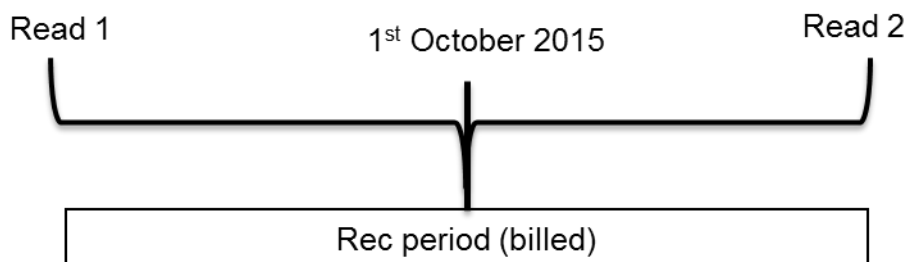
### 6.2 Larger Supply Point reconciliation

Currently each iGT Larger Supply Point (iGT LSP) has a unique logical meter number (LMN) to facilitate reconciliation of energy at the CSEP.

Shippers submit meter readings to iGTs who in turn submit reconciliation volume to Xoserve who then process this on the reconciliation invoice (reconciling allocated to actual energy).

Post go live Xoserve shall receive reads directly from Shippers which will trigger meter point reconciliation and AQ calculations as required.

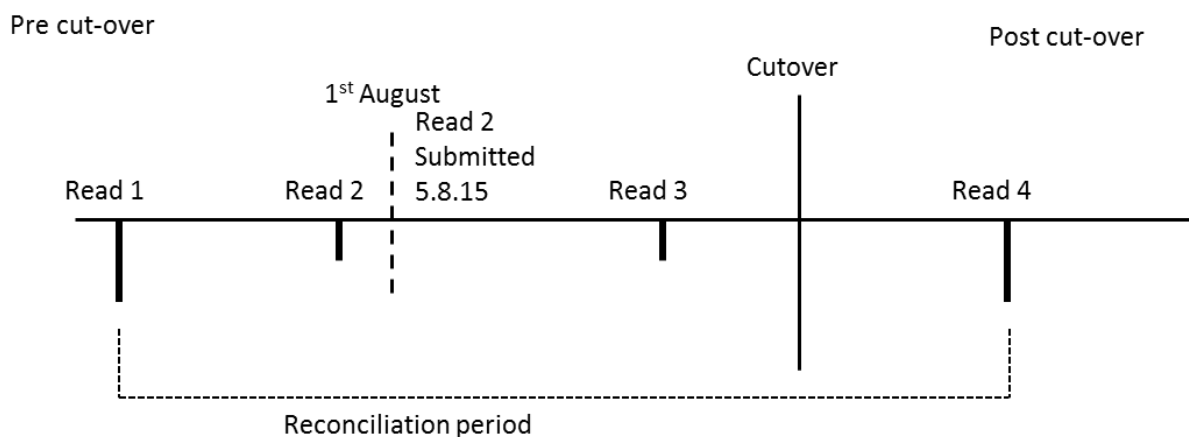
Once go-live occurs the first read submitted after the go-live date will be used to reconcile energy back to the latest read held by Xoserve that pre-dates go-live. This is shown in the diagram below.



### 6.3 Larger Supply Point reconciliation – close out of CSEP database

The current CSEPs database will be decommissioned at go-live. This means that all reconciliations that pre-date go-live must be completed and invoiced before go-live.

Specifically for iGT LSP, in order to allow time for reconciliations to be processed prior to de-commissioning of the CSEP database, no reconciliations that utilise an end read where the meter reading is submitted at go-live date minus 2 months or later (1<sup>st</sup> August on a 1<sup>st</sup> October delivery) will not be processed. Note: the rule is based upon the date of submission not the meter reading date. The first read loaded after go-live date will be used to reconcile back to the relevant read loaded from the data preparation database. This means that reads submitted to the iGTs and passed by the iGTs to the data preparation database, where the meter reading submission date is 1<sup>st</sup> August or later, will not be loaded to the UK Link system as they will not have been used for reconciliation purposes. There is no requirement for Shippers and iGTs to change their systems, this read suppression will be managed by Xoserve. The only exceptions will be reconciliations created by shipper transfer activities, meter exchanges and iGT obtained must reads. Shippers will be advised of the pre go-live read (read 1 in the diagram below) loaded for reconciliation purposes post go-live. The diagram below illustrates this arrangement.



Read 2 and Read 3 will not be loaded to UK Link

### 7. Data Preparation supporting commercial arrangements

The iGT data preparation exercise is not part of the UK Link programme funded by the Gas Transporters (the Gas Transporters are not in a position to fund the activities associated with the independent Gas Transporters).

Shippers are funding the iGT data preparation exercise as a service delivered by Xoserve under the Framework Contract for the Provision of Non-Code User Pays Services (a contract directly between Xoserve and Shippers).

A change order has been processed and agreed by all parties and a new service schedule (007) has been added to the Services Schedule for the Provision of Non-Code User Pays Services.

Shippers have ordered this service (effectively the portfolio report service) and will be invoiced in accordance with the arrangements set out in Change Order 007.

## **8. Transition and Migration topics**

This section only deals with iGT Single Service Provision specific transition and migration topics. The topics that apply to both GT and iGT arrangements are included in the general transition documents published on the Joint Office website. For example, existing supply points will be migrated to Class 1, 2, or 4 (dependent upon their position immediately prior to Go-Live), this rule applies to GT and iGT supply points and so is not described in this document (other than for the purpose of being an example).

### **8.1 Non-Effective days**

Note: this topic is included for completeness, but the topic has not been discussed at industry meetings. It is scheduled for discussion at the iGT Shipper Forum on 3<sup>rd</sup> November and Nexus Workgroup on 4<sup>th</sup> November.

In order to finalise the data, issue final portfolios, migrate the data and establish the data in the Gemini system for energy balancing purposes, there need to be 6 non-effective days to the iGT UNC.

A non-effective day is a day on which supply point administration and supply point register files cannot be sent. This is required because the iGT systems will be “closed” and the UK Link system will not be “open”.

The main implication of this is on the submission of a confirmation file to commence a change of Shipper event. A Shipper will not be able to submit a confirmation file on Friday September 25<sup>th</sup> through to, and including Wednesday 30<sup>th</sup> September. This means that the “faster switching” timescale created by modification iGT059 (which creates a minimum timescale for switching) will not be able to apply for these 6 days. This does not mean that a change of Shipper event cannot occur on 9<sup>th</sup> – 14<sup>th</sup> October, it means that for a change of Shipper event to happen on one of these days the confirmation file must be sent on or before 24<sup>th</sup> September. Note: a confirmation file can be sent up to 30 days before D.

For opening meter readings the incoming Shipper will have two options during this period. The opening meter reading may be sent up to 10 business days after the confirmation effective date. Where the confirmation effective date is between 15<sup>th</sup> September and 22<sup>nd</sup> September, the newly confirmed shipper can choose to send the opening meter reading to the relevant iGT (by 24<sup>th</sup> September) or to Xoserve after 1<sup>st</sup> October.

In the event the Shipper fails to provide an opening meter reading, Xoserve shall provide the estimated opening reading to the Shipper using the relevant UK Link file.

The diagram below illustrates this point and other aspects of the activities that will occur around the go-live date.

Non Effective Days (amber shading). The 24th September is the last day SPA and SPR files can be sent to the iGT. Note the diagram only shows the confirmation file to show when D is. Other SPA files e.g. objection files are subject to the same outage																																										
Note: change of shipper timescales show the minimum timescale, longer timescales are available																																										
Arrow shows the D+10 opening meter reading submission timescale. A supply point registration can go live in the iGT systems and the read can be provided to either the iGT (before 24th September) or Xoserve (from 1st October onwards)																																										
	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S								
	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Opening read provision from D (read taken between D-5 and D+5, to be submitted by D+10)	RQ	RQ	RQ	RQ	CO			CO	D																																	
	RQ	RQ	RQ	RQ	RQ			CO	CO	D																																
	RQ	RQ	RQ	RQ	RQ			RQ	CO	CO	D																															
	RQ	RQ	RQ	RQ	RQ			RQ	RQ	CO	CO	D																														
	RQ	RQ	RQ	RQ	RQ			RQ	RQ	RQ	CO	CO	D																													
	CFR	RQ	RQ	RQ	RQ	RQ			RQ	RQ	RQ	CO	CO	D																												
		CFR	RQ	RQ	RQ	RQ			RQ	RQ	RQ	RQ	CO	D																												
			CFR	RQ	RQ	RQ	RQ		RQ	RQ	RQ	RQ	CO	D																												
				CFR	RQ	RQ	RQ	RQ	RQ	RQ	RQ	RQ	CO	D																												
					CFR	RQ	RQ	RQ	RQ	RQ	RQ	RQ	CO	D																												

Notes:

CFR is confirmation request

RQ is the requested period, this is the period during which the incumbent Shipper may object to the confirmation.

CO is confirmed period

D is the confirmation effective date



# **iGT Data Preparation**

## **Report Format Document**

### **SHIPPER\_PORTFOLIO\_REPORT**

#### **Transporter Agency to Shipper**

<b>Author:</b>	Xoserve
<b>Issue Date:</b>	December 2014

## Version Control

Version	Issue Date	Summary of Change
0.1	December 2014	Initial Draft

## Report Description

This report provides visibility of Shipper Portfolio in the iGT Data Preparation Database. Note that a couple of data items are still under review.

## Record Type Definition – SHIPPER\_PORTFOLIO\_REPORT

<u>RECORD/FIELD NAME</u>	<u>DOM</u>	<u>LNG</u>	<u>DEC</u>	<u>DESCRIPTION</u>
PRODUCTION_DATE	D	8	0	The date on which the report was created. FORMAT: YYYYMMDD.
IGT_SHORT_CODE	T	3	0	iGT Organisation Short Code as issued by Xoserve.
CSEP_ID	T	8	0	Unique CSEP reference issued by Xoserve on creation of the CSEP in the iGT migration database.
IGT_PROJECT_REFERENCE	T	20	0	iGT defined unique reference number that identifies the individual CSEP.
GT_REFERENCE_NUMBER	T	20	0	GT defined reference number allocated to the directly connected CSEP by the Larger GT.
METER_POINT_REFERENCE	N	10	0	A unique identifier for the point at which a meter is, has been or will be connected to the gas network.
SHIPPER_SHORT_CODE	N	3	0	Shipper Short Code
IGT_CONFIRMATION_REFERENCE_NUMBER	N	9	0	A unique number allocated to the Confirmation by the iGT.
CONFIRMATION_REFERENCE_NUMBER	N	9	0	Unique Confirmation Reference issued by Xoserve

				<p>on creation of the Confirmation in the iGT migration database. Conditional: Null on initial load or creation, mandatory for subsequent update of the Confirmation details.</p> <p>(still under discussion)</p>
CONFIRMATION_EFFECTIVE_DATE	D	8	0	<p>The date on which ownership of the Supply Point is requested to commence. Format: YYYYMMDD.</p>
CONFIRMATION_STATUS	T	2	0	<p>Details the current status of a confirmation. The status will change to reflect the stage within the lifecycle currently reached by the confirmation. Values:</p> <p>RQ - Requested;  RJ - Rejected;  CO - Confirmation;  LI - Live;  LA - Lapsed;  SU - Superseded;  CA - Cancelled.</p> <p>Further assessment is being done in this area to manage supply point transfers that span the Project Nexus Implementation Date.</p>
LOGICAL_METER_NUMBER	T	10	0	<p>Logical Meter Number  Context: ATC Ref.</p>
LOGICAL_METER_NUMBER_EFT	D	8	0	<p>Effective date of the Logical Meter Number.  Format: YYYYMMDD.</p>
METER_POINT_STATUS	T	2	0	<p>Values:  CA - Capped;  DE - Dead;  LI - Live;  PL - Planned;  SP - Spin Capped.</p>

METER_POINT_STATUS_DATE	D	8	0	The date on which the status became effective. Format: YYYYMMDD
PLOT_NUMBER	T	10	0	Plot number of the supply meter point.
BUILDING_NUMBER	N	4	0	Building number as defined in PAF digest.
BUILDING_NAME	T	50	0	Follows the naming of a PAF field, and will have the same meaning and use. This item should hold any genuine building name and not a residential house name created as an alternative to the combination of a Building Number and a Street Name. Premises with a building name and a number range should be held as a Building Name of the form "Tower House School 14-22". Following PAF usage, this item will also take the value of any non-standard house or building number, e.g. "12-13", or "6A", in which case it will replace the Building Number and be used in combination with a Street Name to form an address. This item will hold the name of any sub-divided building such as a block of flats, when the name of an individual flat will be held in the Sub Building Name.
SUB_BUILDING_NAME	T	30	0	This item follows the naming of a PAF field, and will have the same meaning and use. The primary use will be to hold the name of a recognised sub-division of a building, e.g. a flat name or number which is part of a block. The name of the block is the Building Name.
DLVY_POINT_ALIAS	T	50	0	This item follows the naming of a PAF field. For Xoserve purposes, it will be populated with "postally not required"

				residential house names, i.e. addresses that can be identified using a house number within a street, e.g. "Rose Cottage, 7 Vicarage Gardens".
PRINCIPAL_STREET	T	35	0	A combination of Thoroughfare Name a Thoroughfare Descriptor as defined in PAF.
DEPENDENT_STREET	T	35	0	This item represents a combination of the PAF fields Dependent Thorough Name and Dependent Thoroughfare Descriptor. The naming reflects the fact that for address purposes the name of the street is dependent on the additional name of the larger street (the Principal Street) to form a postally correct address. Therefore, Dependant Street will never be present unless a Principal Street is also present. For streets which exist on the PAF, Xoserve will only require the street name as used by the Post Office. For streets in Wales, for example, Xoserve will not require the English name of the street if the Welsh name is the postally known variant.
DEPENDENT_LOCALITY	T	35	0	A named, geographically defined area within a post town area (a Postal District). Context: Dependant Locality as defined in PAF.
DBL_DPNDT_LOCALITY	T	35	0	This item follows the naming of a PAF field and has the same meaning and use. This item is present when it is potentially required to include a further locality with dependant locality. A double dependent locality can only be present for an address when a dependent locality is present. This

				attribute can be thought of as a Postal Sub-District.
POST_TOWN	T	35	0	The post town in which the street lies. Context: Post Town as defined in PAF.
COUNTY	T	35	0	The county within which the street lies. The meaning is equivalent to that of the PAF field of the same name.
OUTCODE	T	4	0	Standard PAF outcode as defined in the PAF digest of the Supply Meter Point.
INCODE	T	4	0	Standard PAF incode as defined in the PAF digest of the Supply Meter Point.
UPRN	T	12	0	A unique property reference number (UPRN) is an attribute of a Basic Land and Property Unit (BLPU). It is a unique reference number that can be linked to further address information that is collated and provided by the Ordnance Survey Group. This field will not be populated until governance is agreed.
LDZ_IDENTIFIER	T	4	0	Unique reference code for the Local Distribution Zone (LDZ).
CSEP_EXIT_ZONE	T	3	0	Unique reference code of the Exit Zone associated with the CSEP connection to the larger GT network.
MRF_CODE	T	1	0	A code identifying a valid meter reading frequency. The frequency that the System User wishes to read all the meters on Non- Daily Metered (NDM) Meter Points in the Supply Point. Values: D – Daily; M – Monthly; 6 - Six-monthly;

				A – Annually; B – Bi-monthly.
MRA_SHORTCODE	T	3	0	Meter Read Agency Short Code.
MAM_SHORTCODE	T	3	0	Meter Asset Manager Short Code
NETWORK_OWNER_ID_EFD	D	8	0	The date on which the MPRN became associated with the current (active) Network. Format YYYYMMDD.
GNT_CODE	T	3	0	Supply Point Category type values: NDM - Non Daily Metered; DM - Daily Metered.
MARKET_SECTOR_CODE	T	1	0	A code that specifies that the site is used for domestic or industrial and commercial purposes. Values: D - Domestic; I - Industrial and Commercial.
EUC_BAND	T	8	0	End user category band.
EUC_EFFECTIVE_DATE	D	8	0	End user category band effective date. FORMAT: YYYYMMDD.
ORIGINAL_METER_POINT_AQ	N	12	0	Original AQ at point of entry into RPC Charging Methodology
ORIGINAL_METER_POINT_AQ_EFFECTIVE_DATE	D	8	0	Date the RPF AQ effective from. FORMAT: YYYYMMDD.
SUPPLY_METER_POINT_AQ	N	12	0	The value of the SMP annual quantity.
SUPPLY_METER_POINT_AQ_EFFECTIVE_DATE	D	8	0	Date the SMP AQ became effective from. FORMAT: YYYYMMDD.
FORMULA_YEAR_SMP_AQ	N	12	0	The value of the formula year

				SMP annual quantity.
CHARGING_METHODODOLOGY	T	1	0	The iGT charging methodology that is applied to the Supply Meter Point. Values: L - Legacy; R - RPC; I - Infill.
IGT_TRANSPORTATION_RATE	N	12	8	The monetary rate that is applicable to the Supply Meter Point for iGT transportation charges.
IGT_TRANSPORTATION_RATE_TYPE	T	1	0	The rate type. Values: D - Pence per day; K - Pence per Kilowatt.
IGT_TRANSPORTATION_RATE_EFFECTIVE_DATE	D	8	0	The date that the iGT transportation charge rate is effective from the Supply Meter Point. FORMAT: YYYYMMDD.
IGT_METERING_RATE	N	12	8	The monetary rate that is applicable to the Supply Meter Point for iGT metering charges.
IGT_METERING_RATE_EFFECTIVE_DATE	D	8	0	The date that the iGT metering charge rate is effective from the Supply Meter Point. FORMAT: YYYYMMDD.
IGT_INFILL_RATE	N	12	8	The monetary rate that is applicable to the Supply Meter Point for iGT infill charges.
IGT_INFILL_RATE_EFFECTIVE_DATE	D	8	0	The date that the charge rate/type is effective from the Supply Meter Point. FORMAT: YYYYMMDD.
BYPASS_FITTED_IND	T	1	0	Indicator to provide status of bypass. Values: Y - Bypass Fitted; N - No Bypass Fitted.



BYPASS_FITTED_DATE	D	8	0	Conditional: Mandatory if BYPASS_FITTED_IND = "Y". Date the bypass was fitted. FORMAT: YYYYMMDD.
SEAL_STATUS	T	1	0	Indicator to provide status of bypass seal. Values: Y – Open; N - Closed (Intact); U - Unknown.
METER_COLLAR_FITTED_INDICATOR	T	1	0	An indicator of whether a collar has been fitted to the meter. Values: Y - Collar fitted; N - No collar fitted; U – Unknown.
METER_COLLAR_FITTED_DATE	D	8	0	Meter collar fitted date. Format: YYYYMMDD.
METER_COLLAR_STATUS	T	1	0	Meter collar status. Values: Y - Intact; N - Not intact; U - Unknown.
AMR_INDICATOR	T	1	0	Indicator denoting whether the meter is being used for Automatic Meter Reading (AMR) or can potentially be used for AMR. Allowable values: Y - Yes; P - Potentially; N - No; U - Unknown.
GAS_ACT_OWNERSHIP_TYPE	T	1	0	Indicating Gas Act Owner of the Asset. Values : T – Transporter; S – Supplier; C - Consumer.
METER_MANUFACTURER_CODE	T	3	0	Short Code version of meter

				manufacturer's name for the meter, per MDD.
METER_MODEL_NAME	T	10	0	The model type of the meter e.g. U6, U16, 102M12.
METER_SERIAL_NUMBER	T	14	0	The manufacturer's serial number including alphanumeric characters. E.g. E6E12345678901
METER_LOCN_CODE	N	2	0	A code representing the location of a meter. Values: 00 - Unknown; 01 - Cellar; 02 - Under Stairs; 03 - Hall; 04 - Kitchen; 05 - Bathroom; 06 - Garage; 07 - Canteen; 08 - Cloakroom; 09 - Cupboard; 10 - Domestic Science; 11 - Front Door; 12 - Hall Cupboard; 13 - Kitchen cupboard; 14 - Kitchen under sink; 15 - Landing; 16 - Office; 17 - Office Cupboard; 18 - Outside WC; 19 - Pantry; 20 - Porch; 21 - Public Bar; 22 - Rear of Shop; 23 - Saloon Bar; 24 - Shed; 25 - Shop Front; 26 - Shop Window;

				27 - Staff Room; 28 - Store Room; 29 - Toilet; 30 - Under Counter; 31 - Waiting Room; 32 - Meterbox; 99 - Outside.
METER_LOCN_DESC	T	40	0	A free format description of the location of the meter (e.g. "Under the stairs", "In the boiler room"). This should not duplicate the detail held in the meter location code.
METER_MFRED_YEAR	N	4	0	Year of manufacturer for the asset as stamped on the asset e.g. 2001 Format: YYYY
METER_CRCTR_IND	T	1	0	Description: Indicates whether a corrector is fitted to the meter. Values: Y - Corrector fitted; N - No corrector fitted.
MME_CODE	T	3	0	Description: The coded value of the description of the Meter Mechanism. Values: CR – Credit; MT - Mechanical Token; ET - Electronic Token; CM – Coin; PP – Prepayment; TH – Thrift; NS – SMETS Non-Compliant; S1 – SMETS1; S2 – SMETS2; U – Unknown.
METER_FITTED_DATE	D	8	0	Date on which meter was fitted. FORMAT: YYYYMMDD.

METER_STATUS	T	2	0	A code indicating the current status of the meter. Values: LI - Live; CU - Cut off meter in situ; CL - Clamped; CA - Capped; FA - Faulty; RE - Removed; DM - Damaged; UN - Unknown.
METER_STATUS_CHANGE_DATE	D	8	0	The date on which the meter status changed. FORMAT: YYYYMMDD
METER_NUMBER_DIAL_OR_DIGITS	N	2	0	The number of dials or digits present on the meter which must be taken into account when recording the meter read.
METER_IMPERIAL_INDICATOR	T	1	0	Indicate whether the meter measures the volume of gas in imperial or metric units. Values: Y - Imperial; N - Metric; U - Unknown.
METER_READING_FACTOR	N	6	3	The factor which converts the metered volume into units of hundreds of cubic feet or cubic metres e.g. 1, 10, 0.1.
METER_READING_UNITS	N	5	0	Units the meter is read in e.g. 10, 100. 1000 cubic feet.
METER_CAPACITY	N	10	4	The amount of gas passed through the meter in a given time period.
LATEST_METER_READ_DATE	D	8	0	The date on which the meter was read. Format: YYYYMMDD
LATEST_METER_READ_REASON	T	1	0	The reason why the read was

				taken. Values: N - Non Opening Read; O - Opening Read; R - Replacement Read.
LATEST_METER_READ_SOURCE	T	1	0	The source from which the read was taken. Values: A - Agreed Opening Read; E - Supplied by the End User; G – Gas Card Read; M - Meter Read Organisation; P – Point of Sale Read; Q – Shipper Provided Estimated Read; R – Remote Reading Equipment Read; S - Site Visit Read; T- Transporter Estimate.
LATEST_METER_READING	N	12	0	The value of this reading.
IHD_INSTALL_STATUS	T	1	0	Status of In Home Display unit Values: I - Installed; E - Existing; D - Declined.
FIRST_SMETS_INSTALLATIONS_DATE	D	8	0	The date when the first SMETS Complaint Gas Meter was installed at the Meter Point. Installation of a Non SMETS Compliant Smart Meter. FORMAT: YYYYMMDD
INSTALLING_SUPPLIER_SHORT_CODE	T	3	0	Short Code of the Supplier who has installed the SMART Gas Meter at the Meter Point including SMETS non-compliant (NS) meters.
SMSO_SHORT_CODE	T	3	0	Short Code for the Smart Metering System Operator (SMSO). Three character short code of the SMSO as

				being effective at the Meter Point.
SMSO_EFFECTIVE_DATE	D	8	0	Effective From Date of the current SMSO as being effective at the Meter Point. If SMSO_ID field is populated then SMSO_EFD is mandatory. Format: YYYYMMDD.
CORRECTOR_MANUFACTURER_CODE	T	3	0	Short Code version of manufacturer's name for the corrector, as per the MDD.
CORRECTOR_MODEL_NAME	T	20	0	The model code for the corrector (e.g. "ICOR81", "M792691 ", etc.) If it is not known, a default of "Unknown" should be supplied.
CORRECTOR_SERIAL_NUMBER	T	14	0	Manufacturer's Serial number.
CORRECTOR_FITTED_DATE	D	8	0	The date on which the Corrector was installed. Format: YYYYMMDD
CORRECTOR_MANUFACTURED_YEAR	N	4	0	The year of manufactured of the Corrector. Format: YYYY
CORRECTOR_STATUS	T	2	0	The status of a Corrector. Values: FA - Faulty; LI - Live; UN - Unknown; RE - Removed; DM - Damaged.
CORRECTOR_CORRECTION_FACTOR	N	9	6	Required if Corrector correction for temperature only. Pressure correction factor applied to such correctors. Range 0.0001 - 999.9999. Default = 1.0
CORRECTOR_STATUS_CHANGE_DATE	D	8	0	The date on which the status of the Corrector changed. Format: YYYYMMDD

NUMBER_DIALS_CORRECTED	N	2	0	Number of dials or digits on the meter which are considered during meter reading. Used to validate meter readings and to determine the number of complete units consumed. Printed on meter reading sheets (and may be printed on meter work documents).
NUM_DIALS_UNCORRD	N	2	0	The uncorrected number of dials or digits for the Corrector. Default is number of dials.
CORRECTING_BASIS	T	5	0	The correcting basis. Values: C – Compressibility; CP - Compressibility & Pressure; CT - Compressibility & Temperature; CPT - Compressibility, Pressure & Temperature; P – Pressure; PT - Pressure & Temperature; T – Temperature; D – Density; CPD – Compressibility, Pressure and Density; CTD - Compressibility, Temperature and Density; CPTD - Compressibility, Pressure, Temperature and Density; PD - Pressure and Density; TPD - Temperature, Pressure, Density; TD - Temperature and Density.
CORRD_RDNG_UNITS	N	5	0	The units that the meter is read in e.g. 10, 100, 1000 Cubic Feet/Meters. Values: 1; 10;

				100; 1000; 10000.
UNCORRD_RDNG_UNITS	N	5	0	The units the uncorrected Corrector reading reads in, e.g. 10s, 100s, 1000s cubic feet/meters. Values: 1; 10; 100; 1000; 10000.
RDNG_FCTR_CORRD	N	6	3	The factor that the Corrector uses to multiply the meter read consumption by in order to obtain the corrected volumes of gas consumed.
RDNG_FCTR_UNCORRD	N	6	3	The factor that the Corrector uses to calculate the uncorrected consumption of gas.
CORRECTOR_CORRECTED_READING	N	12	0	The value of the corrector corrected reading. This field will be populated when a meter has a corrector fitted and is functioning normally. Correctors provide two readings, uncorrected and corrected. This field represents the corrected reading i.e. the value of a meter reading after the corrector corrects it.
CORRECTOR_UNCORRECTED_READING	N	12	0	The value of the corrector uncorrected reading. This field will be populated when a meter has a corrector fitted and is functioning normally. Correctors provide two readings, uncorrected and corrected. This field represents the uncorrected reading i.e. the value of a meter reading before the corrector corrects it.



ISOLATION_EFFECTIVE_DATE	D	8	0	Date the Isolation is effective from. Format: YYYYMMDD.
SUPPLIER_SHORT_CODE	N	3	0	Supplier Short Code
SUPPLIER_EFD	D	8	0	Effective to date of the Supplier as being effective at the meter point. Format: YYYYMMDD.
MANNED_24_HOURS	T	1	0	Indicates whether the site is manned 24 hours a day. VALUES: Y – Yes; N – No.
PRIORITY_CONSUMER_CATEGORY	T	1	0	The priority consumer category classification that is relevant for the Supply Meter Point. Values: A - Category A C - Category C
PRIORITY_CONSUMER_REASON	T	1	0	The supporting reason for the priority consumer category classification. Values: E - Emergency Services H - Health Provision C - Care & Accommodation P - Public Services
PRIORITY_CONSUMER_EFFECTIVE_DATE	D	8	0	The priority consumer category effective date. FORMAT: YYYYMMDD.
CONTACT_TYPE	T	3	0	A code that describes the type of Contact. Values: EMR - Emergency Contact; CON - Consumer; INO - Interruptible (organisation); INC - Interruptible (person/role); ISO - Isolation (organisation);

				ISC - Isolation (person/role).
JOB_TITLE	T	30	0	The job title to be used on any correspondence.
TITLE	T	12	0	Title of Contact, for example, Mr, Mrs, Miss etc.
SURNAME	T	60	0	Surname of Contact
FIRST_NAME	T	15	0	First Name of Contact
INITIALS	T	4	0	Initials of Contact
PASSWORD	T	31	0	Password to be used for security purposes for vulnerable customers.
VULNERABLE_CUSTOMER_NOTE	T	40	0	Text giving extra information relating to vulnerable customers.
VULNERABLE_CUSTOMER_COND_TYPE_1	T	2	0	A code used to define the type of condition associated with the end consumer. Values: 03 - SEUC Unclassified; 04 - Aged 60+; 05 - Blind; 06 - Braille User; 07 - Poor Sight; 08 - Deaf; 09 - Poor Hearing; 10 - Poor Speech; 11 - Poor Sense of smell; 12 - Arthritic Hands; 13 - Arthritic All; 14 - Poor Walking; 15 - Wheelchair; 16 - Bedridden; 17 - Mental Handicap; 18 - Confused; 19 - Serious Illness; 20 - Other; 21 - Heart Condition;

				22 - Breathing Difficulty.
VULNERABLE_CUSTOMER_COND_TYPE_2	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_3	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_4	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_5	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_6	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_7	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_8	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_9	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_10	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_11	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_12	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_13	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_14	T	2	0	As above
VULNERABLE_CUSTOMER_COND_TYPE_15	T	2	0	As above
ELA_TYPE	T	3	0	A classification of the electronic address. Values: FAX - FAX number; TEL - Telephone number; EXT - Telephone Extension; PAG - Pager Number.

ELA_IDENTITY	T	25	0	The number (or series of characters) which uniquely identifies an electronic device of a particular type, and which allows information (including voice) to be transmitted to and/or from it e.g. 020 8688 4466
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