



UK Link Release 2 Information Pack

Introduction and Purpose of Document

- As part of the Nexus project and the UK Link implementation in 2017, there have been several requests to alter or create functionality within the system after the system specification was agreed and signed off. Additional requirements that have been agreed with the industry are organised into a development programme and are applied in scheduled major releases.
- This document will provide you with the Release 2 changes which are due to go live on 1st July 2018. It will provide an overview alongside exploring the impacts, solutions and will highlight the changes in a practical manner.
- The release have been grouped into four sections: reporting, CMS changes, file format changes or enhanced functionality
- A matrix has also been created (slide five) to show which particular stakeholders are impacted by each change.
- More information can be found on Xoserve.com [here](#).

Changes

1. Enhanced Functionality

1. XRN3995 - Enduring solution for Theft Risk Assessment Service Tip-off hotline Data Provision
2. XRN4249 - To reinstate the (Postal Address File) PAF validation rules that are applied to UK Link
3. XRN4304 - To reduce number of referrals of meter points to networks for nomination and capacity amendment requests
4. XRN4309 Change to back billing for Smaller Supply Points (SSP) sites to reflect the correct adjustment start date

2. Reporting

1. XRN4299 - 2 additional Performance Assurance scheduled reports have been created
2. XRN4248 - To create quarterly statistical summary reports for Smart Meter installations and exchanges
3. XRN2831.5 - Enable Data Communication Company (DCC) to request a refresh of Gas with unlimited parameters
4. XRN4288 - Amendments of the DDU & DDS files for AQ updates

Note - Change XRN4316 was for internal reporting change for Xoserve

Changes

3. File Format Changes

1. *XRN4303 - Remove 'n' as an allowable value from the .SFN file in 'Fault corrected' field*
2. *XRN3477 - Delivery Point Alias (DPA) to be available in the AES files for address*
3. *XRN4449 – To enable vulnerable customer data requirements (special needs codes) to be included within industry file flows and templates*

4. CMS

1. *XRN3283- Siteworks reference enabled to be captured through CMS*
2. *XRN4513 - Change in CMS validations for ADD and UNC contacts resulting in fewer rejections*
3. *XRN4514 - To change the inclusions in the file generation that informs the inclusions on the Must Read Invoice*
4. *XRN3386 - CMS change to allow single sign on for networks to manage MRA activity.*

Changes

Each change will impact different stakeholder groups, the below matrix lists all of the changes and stakeholders to help understand where the impacts lie.

Impact matrix									
Change	Shipper	Network	IGT	Other	Change	Shipper	Network	IGT	Other
XRN3995				ETTOS	XRN4303				Xoserve only
XRN4249	X		X		XRN3477	X		X	
XRN4304	X	X			XRN4449	X	X	X	
XRN4309	X				XRN3283		X		
XRN4299	X				XRN4513	X	X	X	
XRN4248		X			XRN4514	X	X		
XRN2831.5				DCC	XRN3386		X	X	
XRN4288		X			UKLP315				Xoserve only



1. Enhanced Functionality

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1.1 XRN3995 - Enduring solution for Theft Risk Assessment Service Tip-off hotline Data Provision

OFGEM mandated suppliers with the task of developing a Theft Risk Assessment Service (TRAS), which was to include an Energy Theft Tip-Off Service (ETTOS) aka Crimestoppers.

Enduring TRAS Process

The requirements of this tip-off service was to ensure access to data that would allow the service to correctly determine the relevant supplier to and where no supplier is attached then the GT can be identified.

Prior to new UK Link go live and interim solution was in place whereby a manual report was created and disseminated. This was issued to ETTOS up until 1st June 2017.

The enduring solution will be providing a regular report via DVD to ETTOS (Crimestoppers). This report will support the Crimestoppers Contact Centre to identify SMPs they receive a tip-off (notification of theft of gas) for. They will then liaise with the Supplier to commence investigations.



1. Enhanced Functionality

1.2 XRN4249 - To reinstate the (Postal Address File) PAF validation rules that are applied to UK Link

Pre Nexus go live files were received from GB group and were processed through UK Link system which performed a series of validations in order to amend or ignore the address from the inbound file.

As part of release 2 the process is to be re-introduced. The functionality to enable the file to be loaded and the validations to be carried out will be created however the actual process will be deployed later.

There are no additional activities for external stakeholders and the process should be minimal for the majority of stakeholders, as this was a legacy process. However IGTs were not subjected to this validation and as UK Link now holds over 2 million IGT MPRNs and addresses which may have never been validated.

1. Enhanced Functionality

1.3 XRN4304 - To reduce number of referrals of meter points to networks

For Release 2 change Distribution Networks (DNs) requested for all Large Supply Points (LSPs) that referrals for nomination and capacity amendments are suppressed where the AQ value is between 73,200 and 732,000 kwh. This is for class 2 sites only.

Prior to the change all sites with AQ greater than 73,200kWh would refer to the networks. This change ensures that any site with an AQ less than 732,000 will not refer.

The advantages to this will not only reduce the referrals to DNs but will help reduce the time taken process nomination and capacity amendments for class 2, sites.

As part of this change the AQ threshold for referral's has been made configurable. This means that via a service desk request from the DNs the threshold could be altered from 732,000kWh up or down without requiring a new release date.

There is no change to how the files and are sent or received by stakeholders
However IGT sites will still be referred but there will be an automatic approval from the DNs to align to this change.



1. Enhanced Functionality

4. XRN4309 Change to back billing for Smaller Supply Points (SSP) to reflect the correct data

A correction was required to ensure UK Link reflects the correct adjustment start date for Smaller Supply Points (SSP). For a **limited number** of cases the isolation or isolation and withdrawal was actioned **pre implementation** of the UK Link replacement system (1st June 2017) with the reconnection actioned post implementation of the UK Link replacement system

Since implementation the system functionality is using the physical asset isolation date as the start of the adjustment period to allocate energy (re profile deeming) which is not correct.

This change will ensure the adjustment start date for allocating energy for any SSP requiring back billing will use the correct adjustment start date which determined by either;

- The original isolation request which stopped allocation of energy if the asset installation date is on or before isolation effective date
- The asset installation date if the asset installation date is on or after the original isolation date start date.



2. Reporting

2. Reporting

1. XRN4299 - 2 additional Performance Assurance scheduled reports have been created

To comply with UNC Modification 0520A. 2 additional scheduled performance assurance report suites have been created.

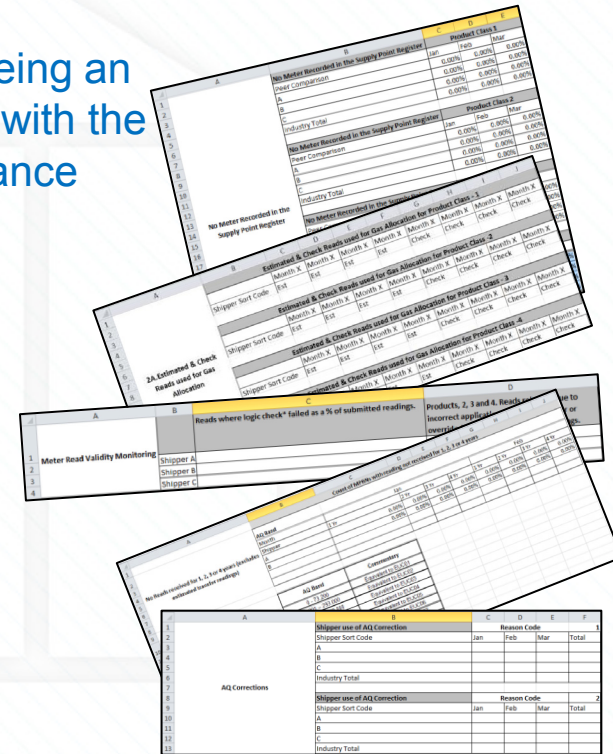
There will be two versions of each report suite. One version (A) being an industry peer comparison view, with an anonymised dataset, and with the second (B) being non-anonymised and only visible to Performance Assurance Committee members.

These reports will be implemented within Release Two from 1st July 2018 and the reports will be back dated to 1st June 2017

These reports will be known as:

- **Schedule 2A – Industry Peer Comparison View**
- **Schedule 2B – Performance Assurance Committee View**

A link to the UNC document is located [here](#).



The image displays four overlapping screenshots of Excel spreadsheets, likely representing the Performance Assurance reports mentioned in the text. The spreadsheets show various data tables and headers, including:

- Product Class 1** and **Product Class 2** headers.
- Estimated & Check Reads used for Gas Allocation for Product Class 1** and **Product Class 2**.
- 2A Estimated & Check Reads used for Gas Allocation**.
- Meter Read Validity Monitoring** table with columns for Shipper Sort Code, Reason Code, and Total.
- Shipper use of AQG Connections** table with columns for Shipper Sort Code, Reason Code, and Total.

2. Reporting

2. XRN4299 - 2 additional Performance Assurance scheduled reports have been created

The 2 scheduled suite of reports (2A&2B) will consist of 10 reports:

- Estimated & Check Reads used for Gas Allocation, and consumption adjustments for class 1 & 2
- No Meter Recorded in the Supply Point Register
- No Meter Recorded in the Supply Point Register and data flows received by Xoserve
- Shipper Transfer Read Performance
- Read Performance
- Meter Read Validity Monitoring
- No Reads received for 1, 2, 3 or 4 years (excludes estimated transfer readings)
- AQ Corrections
- Standard Correction Factors for sites with AQ > 732, MWH
- Replaced Meter Reads

The collage displays five Excel spreadsheets:

- Top Left:** A table titled 'No Meter Recorded in the Supply Point Register' with columns for 'Product Class', 'Jan', 'Feb', 'Mar', and 'Total'. It includes a 'Shipper Sort Code' column and a 'Reason Code' column.
- Top Right:** A table titled 'Estimated & Check Reads used for Gas Allocation for Product Class - 1' with columns for 'Shipper Sort Code', 'Month X', 'Month Y', 'Month Z', and 'Total'. It includes a 'Reason Code' column.
- Middle Left:** A table titled 'Meter Read Validity Monitoring' with columns for 'Shipper A', 'Shipper B', and 'Shipper C'. It includes a 'Reason Code' column.
- Middle Right:** A table titled 'Products, 2, 3 and 4. Reads rejected due to incorrect application of market breaker or override flag as a % of submitted readings.' with columns for 'Shipper Sort Code', 'Month X', 'Month Y', 'Month Z', and 'Total'. It includes a 'Reason Code' column.
- Bottom:** A table titled 'AQ Corrections' with columns for 'Shipper Sort Code', 'Reason Code', 'Jan', 'Feb', 'Mar', and 'Total'. It includes a 'Reason Code' column.

A link the related UNC document is located [here](#).

2. Reporting

2.2 XRN4248 - To create quarterly statistical summary reports for Smart Meter changes

To support the request from the Health and Safety Executive (HSE) (and) to better enable the monitoring of the smart meter roll out. An additional report has been created. This is to ensure that the geographic smart meter installations (and exchanges) figures match the RIDDOR Reports (Reporting of Injuries Diseases and Dangerous Occurrences Regulations)

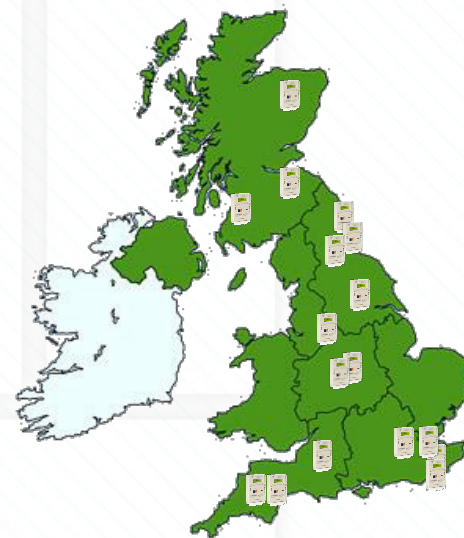
These reports will be created quarterly and one report will be created at national level with the second set broken into DN Levels.

The information contained with each report will be:

- Network Shortcode
- Gas Flow Day
- **MME_CODE_CHANGE**
- Postcode Outcode
- Exit Zone Identifier
- Count of SMPs

The statistical summary associated to meter exchanges and installations will be provided within data this item; Values to include:

- Traditional to smart
- Traditional to traditional
- Smart to traditional
- Smart to smart
- New traditional (first installation at MPRN)
- New smart (first installation at MPRN)
- Blank to traditional
- Blank to Smart



2. Reporting

2.3 XRN2831.5 - Enable Data Communication Company (DCC) to request a larger refresh of Gas

The DCC is permitted to request a partial refresh of gas Registration Data under the Smart Energy Code. Currently the UK Link system has a restriction in place and as a consequence can only process a partial refresh request of up to a maximum 30k MPRN's. Where greater than 30k MPRNs are required by the DCC, Xoserve are able to receive multiple requests of up to the maximum 30k parameter or alternatively, can perform a full portfolio refresh of all 24million MPRNs.

This change is seeking to remove the upper parameter restriction of 30k MPRNs, meaning a partial gas Registration Data refresh of any volume can be received and actioned by Xoserve.

There are no proposals to change the way in which the DCC partial gas Registration Data refresh is requested, with this being performed as part of the agreed Service Management process. In addition, there are no functional changes to the way in which the data is to be supplied to the DCC, with this complying with the format and structure specified within the .XDO gas Registration Data file format.

2. Reporting

4. XRN4288 – Amendments of the DDU & DDS files for AQ updates

A requirement for the following changes to the DN DDS and DDU files has been included in Release 2 and the changes are listed below.

1. Twin stream Meters - For DDS and DDU files to only contain the first Asset for a twin stream Meter i.e suppress any instances where there is a second record for an MPRN.
2. Rolling AQ updates – For the DDU file to not include any records relating to rolling AQ updates.

There is no change to the structure of the file nor the way it will be received nor changes to the size of the file as we are not sending rolling AQ updates in the DDU files due to the volume and only formula AQ updates will still be sent.



3. File Format Changes

3. File Format Changes

3.1.1 XRN4303- Remove 'n' as an allowable value from the .SFN file in 'Fault corrected' field

When providing readings within the Site Visit and Fault Notification Process, via the .SFN file, if the fault has not been corrected, then the read should not be loaded.

	TITLE OF FILE FORMAT	SITE VISIT AND FAULT NOTIFICATION (.SFN)	
	DIRECTION OF FILE	SYSTEM USER - TRANSPORTER	
Level	Record Name	Occurrence	Optionally
1	HD_A00_STANDARD_HEADER	1	M
1	RT_O15_SITE_VISIT_DETAILS	Up to 50000	O
1	RT_O17_ASSET_FAULT_DETAILS	Up to 50000	O
1	TR_Z99_STANDARD_TRAILER	1	M

It was identified that the current file format allows the User to set 'n' in DRE_Fault_Corrected field, when providing site visit reads via the SFN file. UK Link functionality does not allow for these reads to be loaded and will reject the record.

The change requirement is to remove 'n' as an allowable value for field 'DRE_FAULT_CORRECTED' in the O15 record in SFN file type.

There will be no changes to how the file is received or how the responses are sent. The main point to note is that the new rejection code will be:

“ SFN000054– Incorrect value in DRE_Fault Corrected field”

The new O15 record will uploaded as part of go-live however an example of that change is included [here](#).

3. File Format Changes

3.2.1 XRN3477 - Delivery Point Alias (DPA) to be available in the AES files for address

During the development of a new property, a supply point will be created whilst a full postal address may not be available immediately and therefore a plot number is used.

This allows shippers visibility of the data during the IGT Meter Point Creation and Amendment Process. To conform to the UK Link address format and enable IGTs to populate the plot number, the Delivery Point Alias field is to be used.



To enable this change an amendment to the .AES file was required. Specifically the previously used S70 record has been replaced with the T08 record.

The new hierarchy is shown here.

TITLE OF FILE FORMAT/RECORD

APPOINTED ELECTED SHIPPER NOTIFICATION (.AES)

DIRECTION OF FILE

CDSP TO Shipper

Level	Record Name	Occurrence	Optionality
1	HD_A00_STANDARD_HEADER	1	M
1	RT_C71_APPNTD_ELCTD_SHIP_NOTFN	Up to1000	M
2	RT_Q44_CSEP_DETAILS	1	M
2	RT_T08_ADDRESS	Up to 500	M
1	TR_Z99_STANDARD_TRAILER	1	M

3. File Format Changes

3.2.2 XRN3477 - Delivery Point Alias (DPA) to be available in the AES files for address

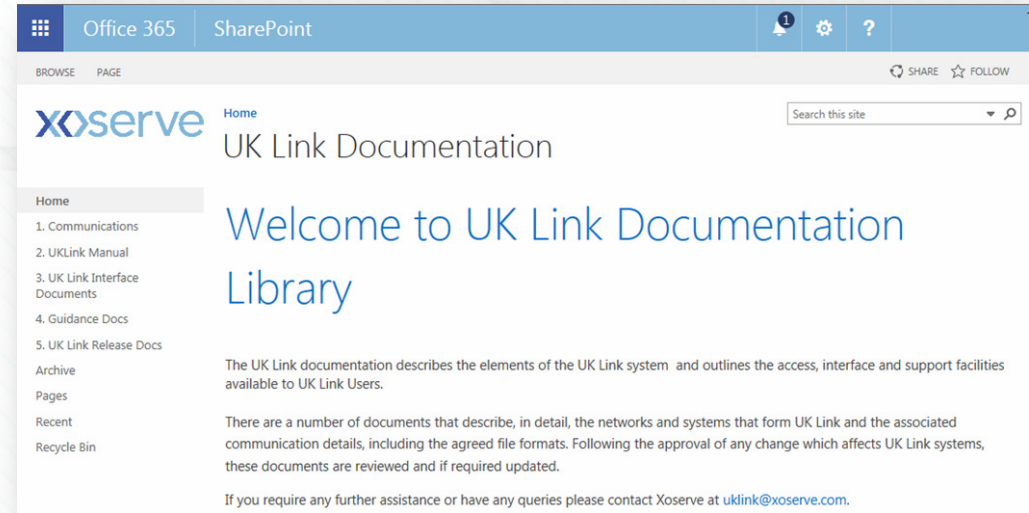
The UK Link Documentation Library on Xoserve.com provides the .AES file format hierarchy and T08 file record along with all the others. The hierarchy will however only be correct online post implementation.

File Hierarchy can be found [here](#)

UK Link Documentation Library > UK Link Interface Documents > 3b. System Interface Documents > Shipper > File Hierarchies > **AES File Hierarchy**

File Format can be found [here](#)

UK Link Documentation Library > UK Link Interface Documents > 3b. User Interface Documents > Shipper > File Records > **T08 NTFN ADDRESS CHANGE**



3. File Format Changes

3.3 XRN4449 – Enable vulnerable customer data requirements (special needs codes) to be included

Priority/vulnerable customer data to be sent and received by key industry participants using the below files. This change seeks to align the codes used, to those held in the Electricity Market.

Alongside this a consent flag and expiry date field has been included in these file formats.

- CNF - Confirmation Requests File
- CNC - Customer Amendment Request File
- CFR - Confirm Response File
- CNR - Customer Amendment Response File
- CRS – Shared Supply Meter Point Confirmation Response Template
- IDL – iGT Daily Delta File
- IQL – iGT Quarterly Load File
- EDL – EDL Daily Load
- EQL – EQL Quarterly Load
- EWS – EWS file to EMWS

Please note within some files, only specific records are impacted

Examples of the new File formats can be found on Xoserve.com [here](#). However from Release 2 implementation date the new file formats and record formats will be uploaded to the documentation library identified on previous slide.



4. CMS related Changes

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4.1 XRN3283 - Siteworks reference enabled to be captured through CMS

This change will enable the Siteworks Reference, captured through the existing data field on CMS Screen “Stakeholder Reference” through CMS FOM contact type to be stored on UK Link and subsequently displayed on SAP Portal Screen for DNO’s.

The reference number will be able to be updated by the DNO using the Portal screens. To help improve MPRN creation history and also efficiency of capacity referral requests.

The screenshot shows the 'Contact Management' screen for a FOM contact. The 'Stakeholder Reference Number' field is highlighted in yellow and contains the value 'COR3283ATSC1'. Other fields include Meter Point Reference Number (9365567210), Meter Point AQ (21500), and Address (21 SAPHIRE, LONDON STREET DEL 95, VICTORIA STREET, MORNE ROAD, KINGS LANDING, BIRMINGHAM, B913TY).

Example of FOM contact in CMS with Stakeholder Reference Number highlighted

The screenshot shows the 'Meter Asset Selection' screen. The 'Siteworks Reference' field is highlighted in red and contains the value 'COR3283ATSC1'. Other fields include Meter Point Reference (9365567210), Address (21 SAPHIRE, MORNE ROAD, 55, VICTORIA STREET, KINGS LANDING, BIRMINGHAM, B91 3TY), and Meter Serial Number (N).

Example of Portal with Stakeholder Reference highlighted

4. CMS related Changes

4.2 XRN4513 - Change in CMS validations for ADD and UNC contacts resulting in fewer rejections

Before the change for ADD and UNC contacts, CMS validated the proposed address fields against the data held in UK Link. If one of the Building Number data items was located within the same post-code in **any** field, the contact was rejected as a duplicate. Additionally, CMS would not consider a field for validation if the data item was removed in the proposed address – this would reject as ‘address already exists’ if there were not changes to any other element of the proposed address.

Additional fields included in the validations are:

- Delivery Point Alias
- Sub Building Name
- Dependent Street
- Dependent Locality

This change will now validate the proposed address considering ALL fields and will only reject as a duplicate if ALL the fields match. Additionally, CMS will consider the removal of a data item as a change to the existing address. There is no change in how files are submitted or how they will be responded to.”

4. CMS related Changes

4.3 XRN4514 - To change the inclusions in the file generation that informs the Must Read Invoice

As part of the Must Read process Shippers are subject to charges where the read activities undertaken for an MPRN has been deemed billable.

This change corrects the automated rules within UK Link that feed in to the Must Read Invoice. There is no actual change to what is being charged for. Only the need for additional manual steps required prior to the change to ensure billing was correct.

“Contacts are invoiced only if there has been a read procured by the MRA, unless there has been a Level 3 Must Read initiated. The charge is included on the invoice on the month following the Contact status moving to CLRD or FWDS”

There is no change to how the process is managed within CMS and also with the way invoices are sent.

4. CMS related Changes

3. XRN3386 - CMS change to allow single sign on for networks to manage MRA activity.

This change will introduce a new role on CMS that will provide the Distribution Networks and IGTS with Meter Read Agency (MRA) access under a single sign on.

The Network User will be able to use the single sign on for the MRA activities along with the other Network activities and will introduce MRA activities, which include:

- The download of the must read files such as MJO, LTO and RJO files for details relating to site visits that are required
- The feature to upload the Must Read MUR read data files such as MJI, LTI and RJI with the outcome of any site visits.

Note: Once a file is downloaded, it cannot be downloaded again via another account i.e. if the Network user downloads the MJO file using their Network account, the file will not be visible to a User using an MRA account