Section G: Change Pack

# G1: Communication Detail

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| Comm Reference: | 2918.2 - MT - PO |
| Comm Title: | XRN5231 Provision of FWACV Service Detailed Design Change Pack |
| Comm Date: | 18/10/2021 |

**G2: Change Representation**

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| Action Required: | For Representation |
| Close Out Date: | 01/11/2021 |

# G3: Change Detail

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| Xoserve Reference Number: | XRN5231 |
| Change Class: | CDSP System Changes - New Service Line |
| ChMC Constituency Impacted: | * Shipper Users * National Grid NTS * DNs |
| Change Owner: | Steve Pownall:0121 229 2671: steve.pownall@xoserve.com |
| Background and Context: | National Grid currently provides a FWACV calculation/data publication service to the Distribution Networks (DNs). The DNs have statutory “The Gas (Calculation of Thermal Energy) Regulations” and UNC-related obligations to calculate and publish charging zone (LDZ) CV e.g. FWACV data to Shippers.​  ​  National Grid has announced it is to withdraw from providing the Distribution Network Operators (DNs) with the daily LDZ Flow-Weighted Average CV calculation (FWACV) service (March 2022). ​  ​  Consequently, the DNs will become responsible for calculating their own daily LDZ FWACVs and, publishing the data to Shippers. ​  ​  **UNC 0719R ‘Calculation of Energy Value of Gas’ Review Group**  This Review Group assessed several options during 2020 that might support the DNs in meeting their FWACV calculation/data provision obligations. The DNs have agreed that Xoserve should take the FWACV calculation role over in its entirety from National Grid. As such, the DNs have requested Xoserve to assess and develop a single option solution under Change Proposal XRN5231.  The concluding 0719R Workgroup Report contains the Next Steps and can be found here: [www.gasgovernance.co.uk/0719/](http://www.gasgovernance.co.uk/0719/)  **XRN5231 Change Proposal:**  This was raised by SGN, on behalf of all DNs, during the 0719R Review Group. The change scope includes the calculation of the daily LDZ FWACV values and, its publication to shippers through replication of the existing SC9 file mechanism albeit Xoserve will generate the SC9 files.    The change proposal can be found here: using the following link  [Link to XRN5231 Change details](https://www.xoserve.com/change/change-proposals/xrn-5231-provision-of-a-fwacv-service/?return=/change/change-proposals/?customers=&statuses=&search=XRN5231)  **Gemini/MIPI Consequential Change:**  During detailed design, Xoserve has also considered the solution for data feeds into Gemini and MIPI (data explorer etc) from the new FWACV application. Any changes in Gemini and MIPI to accept the new files from Xoserve is considered as part of Gemini Consequential changes and are out of scope of XRN5231.  **Shipper/Industry Impact**  Xoserve is cognisant that Shippers/industry have been informed there will be no impacts insofar as existing FWACV data provision is concerned i.e. data will be available through SC9 files, Gemini and MIPI.  Shippers certainly raised such concerns in relation to MIPI during the recent formal DSC consultation for the XRN5231 HLSO.  We will continue dialogue with National Grid /DNs to agree delivery of the consequential change with XRN5231 to ensure the 1st April 2022 implementation is achieved.  **Important: SC9 file sent to Shippers**  For the avoidance of doubt;   * there is NO proposal to change the SC9 file format, file type nor data; * the SC9 files will continue to be sent to Shippers in accordance with the existing timetable (UNC obligations)   During the impact assessment phase, it has been noted the SC9 file contains a ‘TOD’ value. This is effectively a *projected end-of-day estimate*of LDZ CV values and is calculated between 06:00 and 09:00 on the Gas Day and is sent to shippers (SC9) by 11am on that day. Also included in this 11am file is the Actual LDZ CV (ACT) values from the previous Gas Day which may overwrite the previous day’s TOD.  Xoserve, in conjunction with the Distribution Networks would like the Shippers to consider and respond to the following:   * Do Shippers use the SC9 TOD value in your systems and business processes? * What (if any) are the implications for Shippers if TOD is set to a default? |

# G4: Change Impact Assessment Dashboard (UK Link)

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| Functional: | Potential new DSC Service Line – FWACV Service |
| Non-Functional: | None |
| Application: | SAP IS-U, SAP PO, IX/EFT, Gemini |
| User(s): | * Shipper Users * National Grid NTS * Distribution Networks |
| Documentation: | N/A |
| Other: | Not Applicable |

# Interfaces

Below table summarises the new interfaces created within Xoserve as part of FWACV service.

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| **Interface Name** | **Description** | **Source** | **Direction** | **Target** | **Transfer Route** |
| AI File | Volume Data | DNs | Inbound | CDSP | IX/EFT/PO/ISU |
| AO File | Response to Volume Data | CDSP | Outbound | DNs | ISU/PO//EFT /IX |
| YO File | CV Data | NG  DNs | Inbound | CDSP | IX/EFT/PO/ISU |
| SC9 File | FWACV Data | CDSP | Outbound | Shipper  NG | ISU/PO/EFT/IX |
| FWACV File | FWACV Data | CDSP | Outbound | Gemini | ISU/PO/EFT |
| LOR | Loss of Record Data | DNs | Inbound | CDSP | Email |
| LOR Response | Recalculated FWACV Data | CDSP | Outbound | Box Account | Email to DNs |
| OFGEM Report | OFGEM Audit Report | CDSP | Outbound | Box Account | Email to OFGEM |
| DNs Report | Monthly Audit Report – copy of the OFGEM audit report reflecting respective DNs data. | CDSP | Outbound | Box Account | Email to DNs |
| Boil off Site data | Volume data from site will be sent by site operator via email | Site Operator | Inbound | Box Account | Email from Site Operator |
| Missing CV data | Notification to DNs on D+1 for missing site CV -This is a collated list for all the sites that has missing CV | CDSP | Outbound | Box Account | Email to DNs |
| Missing CV data | Missing CV data will be shared by DNs via email | DNs | Inbound | CDSP | Email from DNs |
| Chaser Notification | Notification to DNs on D+3 for missing site CV and Volume -This is a collated list for all the sites that has missing CV and volume | CDSP | Outbound | Box Account | Email to DN |
| Lowest CV Notification | Notification to DNs to inform the Lowest of last 12 month CV for the site/sites was used in FWACV Calculation | CDSP | Outbound | Box Account | Email to DN |
| Default CV Notification | Notification to DNs to inform the default CV for the site/sites was used in FWACV Calculation | CDSP | Outbound | Box Account | Email to DN |
| Capping Notification | Notification to DNs and NG to inform the LDZ Billing CV was Capped | CDSP | Outbound | Box Account | Email to DN and NG |
| Sites excluded & Zero volume sites | Notification to DNs with the list of sites that were excluded from FWACV Calc and the sites with zero volume | CDSP | Outbound | Box Account | Email to DN |

Notes:

* The response files are sent when an acknowledgement is sent or when a rejection is sent.
* Rejections as part of AO files will be sent using the new rejection codes created as part of FWACV service. The detailed rejections are available in the [file formats section](#_File_Formats:)
* Xoserve use the IX Network as a secure file transfer solution to receive and deliver files from Customers. The current design is proposing to leverage the IX Network and EFT file transfer capability to exchange files with DNs in a secure manner.
* DNs will be required to transfer files from their infrastructure to their existing IX end user server instead of sending files via SFTP to NG’s file server.
* The are no file format changes required by DNs as part of the new FWACV service.

**Inbound Files** – The below listed detailed view of new inbound files to xoserve

| **Sl.**  **No** | **File**  **Name** | **File**  **Type** | **New/**  **Existing** | **File Description** | **File** |
| --- | --- | --- | --- | --- | --- |
| 1 | <LDZ Code>001.PNnnnnnn.AI1 | CSV file | New -Inbound | Original Volume Data from NGN DN |  |
| 2 | <LDZ Code>001.PNnnnnnn.AI2 | CSV file | New -Inbound | Original Volume Data from SGN DN |  |
| 3 | <LDZ Code>001.PNnnnnnn.AI3 | CSV file | New -Inbound | Original Volume Data from WWU DN |  |
| 4 | <LDZ Code>001.PNnnnnnn.AI4 | CSV file | New -Inbound | Original Volume Data from Cadent DN |  |
| 5 | <LDZ Code>002.PNnnnnnn.AI1 | CSV file | New -Inbound | Amended Volume Data from NGN DN |  |
| 6 | <LDZ Code>002.PNnnnnnn.AI2 | CSV file | New -Inbound | Amended Volume Data from SGN DN |  |
| 7 | <LDZ Code>002.PNnnnnnn.AI3 | CSV file | New -Inbound | Amended Volume Data from WWU DN |  |
| 8 | <LDZ Code>002.PNnnnnnn.AI4 | CSV file | New -Inbound | Amended Volume Data from Cadent DN |  |

**Outbound Files** – The below listed files are sent to outbound interfaces from Xoserve.

| **Sl.**  **No** | **File**  **Name** | **File**  **Type** | **New/**  **Existing** | **File Description** | **File** |
| --- | --- | --- | --- | --- | --- |
| 1 | <LDZ Code>001.PNnnnnnn.AO1 | CSV file | New-Outbound Data file | Business Data (Billing CV and FWACV) to NGN DN |  |
| 2 | <LDZ Code>001.PNnnnnnn.AO2 | CSV file | New-Outbound Data file | Business Data (Billing CV and FWACV) to SGN DN |  |
| 3 | <LDZ Code>001.PNnnnnnn.AO3 | CSV file | New-Outbound Data file | Business Data (Billing CV and FWACV) to WWU DN |  |
| 4 | <LDZ Code>001.PNnnnnnn.AO4 | CSV file | New-Outbound Data file | Business Data (Billing CV and FWACV) to Cadent DN |  |
| 5 | <LDZ Code>002.PNnnnnnn.AO1 | CSV file | New-Outbound Data file | Amended Business Data (Billing CV and FWACV) to NGN DN |  |
| 6 | <LDZ Code>002.PNnnnnnn.AO2 | CSV file | New-Outbound Data file | Amended Business Data (Billing CV and FWACV) to SGN DN |  |
| 7 | <LDZ Code>002.PNnnnnnn.AO3 | CSV file | New-Outbound Data file | Amended Business Data (Billing CV and FWACV) to WWU DN |  |
| 8 | <LDZ Code>002.PNnnnnnn.AO4 | CSV file | New-Outbound Data File | Amended Business Data (Billing CV and FWACV) to Cadent DN |  |
| 9 | <LDZ Code>004.PNnnnnnn.AO1 | CSV file | New-Outbound  Acknowledgement | Acknowledgement on successfully processing original/amended volume data to NGN |  |
| 10 | <LDZ Code>004.PNnnnnnn.AO2 | CSV file | New-Outbound  Acknowledgement | Acknowledgement on successfully processing original/amended volume data to SGN |  |
| 11 | <LDZ Code>004.PNnnnnnn.AO3 | CSV file | New-Outbound  Acknowledgement | Acknowledgement on successfully processing original/amended volume data to WWU |  |
| 12 | <LDZ Code>004.PNnnnnnn.AO4 | CSV file | New-Outbound  Acknowledgement | Acknowledgement on successfully processing original/amended volume data to Cadent |  |
| 13 | <LDZ Code>005.PNnnnnnn.AO1 | CSV file | New – Outbound Rejection | Notification of error on processing original/amended volume data to NGN |  |
| 14 | <LDZ Code>005.PNnnnnnn.AO2 | CSV file | New – Outbound Rejection | Notification of error on processing original/amended volume data to SGN |  |
| 15 | <LDZ Code>005.PNnnnnnn.AO3 | CSV file | New – Outbound Rejection | Notification of error on processing original/amended volume data to WWU |  |
| 16 | <LDZ Code>005.PNnnnnnn.AO4 | CSV file | New – Outbound Rejection | Notification of error on processing original/amended volume data to Cadent |  |
| 17 | <LDZ Code>007.PNnnnnnn.AO1 | CSV file | New – Outbound Data file | Notification of substitution of original/amended volume data to NGN |  |
| 18 | <LDZ Code>007.PNnnnnnn.AO2 | CSV file | New – Outbound Data file | Notification of substitution of original/amended volume data to SGN |  |
| 19 | <LDZ Code>007.PNnnnnnn.AO3 | CSV file | New – Outbound Data file | Notification of substitution of original/amended volume data to WWU |  |
| 20 | <LDZ Code>007.PNnnnnnn.AO4 | CSV file | New – Outbound Data file | Notification of substitution of original/amended volume data to Cadent |  |
| 21 | <LDZ Code>008.PNnnnnnn.AO1 | CSV file | New – Outbound Data file | Notification of amended volume data to NGN |  |
| 22 | <LDZ Code>008.PNnnnnnn.AO2 | CSV file | New – Outbound Data file | Notification of amended volume data to SGN |  |
| 23 | <LDZ Code>008.PNnnnnnn.AO3 | CSV file | New – Outbound Data file | Notification of amended volume data to WWU |  |
| 24 | <LDZ Code>008.PNnnnnnn.AO4 | CSV file | New – Outbound Data file | Notification of amended volume data to Cadent |  |
| 25 | <site number>nn<ddmmyy>.YO3 | Flat file | New – Outbound Data file | CV Data from DNs and NG from stream 3 |  |
| 26 | <site number>nn<ddmmyy>.YO4 | Flat file | New – Outbound Data file | CV Data from DNs and NG from stream 4 |  |
| 27 | <site number>nn<ddmmyy>.YO5 | Flat file | New – Outbound Data file | CV Data from DNs and NG from stream 5 |  |
| 31 | <GEM>01.PNnnnnn.FCV | CSV file | New -Outbound Data file | FWACV file with energy, volume & CV data to Gemini |  |
| 32 | <3 letter Shipper Code>01.PNMMDDSS.SC9 | CSV file | New -Outbound Data file | SC9 file with calculated FWACV data to all Shippers |  |

**Note:** In AS IS process NG generates an AO<003> file (e.g. <LDZ Code>003.PNnnnnnn.AO1) and sends to DNs when adhoc business data request is received. This is now confirmed to be descoped as this is not part of FWACV process.

# G5: Change Design Description

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| **FWACV Service Overview :**  This change will allow Xoserve to take the FWACV calculation role over in its entirety from National Grid, with a view to stand up a parallel live running service to check and validate the output of calculation is aligned to Grid outputs:   * Undertake the daily LDZ FWACV calculation and apply the LDZ Attribution Mapping rules as necessary. * Apply LDZ CV Capping Rules when necessary. * Use the daily LDZ FWACV to calculate the energy entering the LDZ from the daily volume flow. * Apply subsequent daily FWACV updates between D+1 and D+5 closeout. Any updates post D+5 closeout will not feed into FWACV calculation. * Ability to manage the Loss of Record (LOR) process. * Capability of having a screen for any data(CV and volume) updates for Business Operations teams within Xoserve * Generate, maintain and issue SC9 files (same format and frequency as currently provided) to Shippers. * Handle any/ all exceptions falling out of the above activities. * Ability to send all relevant REPORTING (including monthly OFGEM report, monthly DN report). * The FWACV Service meeting the Non-functional standards:   + Performance – Data volumes, Response times, Security, Audit   + Internal Reporting for effective Service Management   **Key Assumptions :**   | **S.No** | **Design Assumptions** | | --- | --- | | 1 | Stornoway and SIUs are not part of FWACV calculation and the values are received via AI files will be sent to DNs.   * Declared CV, Volume and energy data for SIU’s(record120) will be sent via AI2 file by SGN. * Declared CV for Stornoway will be sent via AI2 file (record 140) by SGN | | 2 | Default CV values for all sites (including SIUs) for substitution process is 37.  Default CV value for Stornoway in Substitution Process is 93 | | 3 | If multiple AI or YO files are received for the same site with different Volume and CV data, the latest file will be considered. | | 4 | NG will send all the CV and volume information for Industrial sites to Xoserve via email until the sites are de-scoped from FWACV calculation. VLDMC data for D80 OFGEM Reporting for 2 industrial sites will also be de-scoped from the OFGEM report | | 5 | The volume data for Boil Off Site will be sent from the site by site operator via an email to Xoserve | | 6 | DNs will send CV for Boil off sites via YO files (using the existing record type). | | 7 | For all offtake sites, missing CV data is substituted with previous day’s CV value and is used as the Average CV value from D+1 to D+4.  On D+5, standard Attribution is followed to get Average CV value | | 8 | For all other sites (non-offtake) missing CV data is substituted with previous day’s CV value and is used as the Average CV value from D+1 to D+5 | | 9 | Data Migration – FWACV at LDZ level, CV and volume at site level will be migrated to UK Link system for past 7 years and will be provided by NG. | | 10 | The meter types that are considered for new FWACV file to be sent to Gemini are: OF meter types - Volume, CV and Energy OS meter types - Volume, CV and Energy SIU – CV , volume and energy  STRN Meter types - CV | | 11 | DN to confirm all their site details prior to Go live to ensure the solution is catered to using the correct data and LDZ attribution mapping matrix | | 12 | The LOR notification will be sent by the DNs via an email to Xoserve during business hours in an agreed standard template as an attachment. The proposed template is attached to this change pack | | 13 | There is no attribution matrix for Onshore, Boil off and Industrial sites available. | | 14 | DNs do not need to receive the 200 (Storage Boil off volume) or 210 (Store rejection volume) records in the AO file | | 15 | FWACV file sent to Gemini Interface will include energy, volume data at meter/site level and CV at LDZ Level  For Offtake sites the LDZ CV will be the CV for all the sites under the LDZ and for Onshore sites the CV will be the one from the YO file. | | 16 | The YO file would also be received through the IX network and not via an email from the DNs | | 17 | The notification to DNs and NG will be file and email based and not via Portal | | 18 | Accuracy of future calculation is highly dependent on quality of data that will be migrated. There is dependency on NG to ensure there will be data quality check at their end to mitigate the risk. | | 19 | The YOR response file will not be issued to DNs on the back of the YO files received | | 20 | In AS IS process NG generates an AO<003> file (e.g. <LDZ Code>003.PNnnnnnn.AO1) and sends to DNs when adhoc business data request is received. This is confirmed to be descoped as this data is not part of FWACV process. | | 21 | DN’s have an obligation to provide ‘not less than 6 months’ notice informing any changes (e.g. adding a new site or removal of site, or changes to attribution matrix) as stated in the UNC and they need to contact Xoserve to discuss.  The process and timelines should be agreed as part of Service Transition Phase. | | 22 | SLA times for file delivery are as given below   * AO(AO001) Response files are sent to DNs For  Gas Day D on D+1 within 1 Business day. * Amendments(AO0002) to FWACV/Billing CV information made between D+1 to D+5 has to be reported by D+5 (5 business days). * AO Response files(AO004 and AO0005) are sent to DNs For  Gas Day D on D+1 within 1 Business day. * Amendments to volume (AO008) information made between D+1 to D+5 has to be reported by D+5 (5 business days). * Substitution Notification (AO0007) for Gas Day D on D+1 within 1 Business day. | | 23 | Below are the data feed cut off times that are considered for FWACV job run.  D+1:   * All files received or CV entered/uploaded via screen by 9 AM, is considered for 10 AM processing job. * All files received between and entered/uploaded between 9 AM and 12 PM, is considered for 13:30 processing job * All files received between and entered/uploaded between 12 PM and 2:30 PM, is considered for 15:30 processing job   D+2 – D+5:   * All files received or CV entered/uploaded via screen after 2:30 PM on D+1 and 7:30 AM on D+2, is considered for 8:30 AM processing job. * All files received between and entered/uploaded between 7:30 AM and 12 PM, is considered for 13:30 processing job * All files received between and entered/uploaded between 12 PM and 2:30 PM, is considered for 15:30 processing job | | 24 | The Missing CV data will be sent by the DNs via an email to Xoserve during business hours in an agreed standard template as an attachment. The proposed template is attached to this change pack | | 25 | SC9 file sent to Shipper will not have any file format changes. | | 26 | Any requests to descope a site temporarily from FWACV calculation or include a site that was temporarily removed, back into FWACV calculation should be sent to Xoserve as per a agreed process during Service Transition. |   **Key Processes created as part of FWACV service are listed below**   * **File Processing**   The below process flow diagram and table details the system, path and the processing mechanism for the AI and YO files.  Figure: AI(Volume) and YO(CV) File Processing Flow   | **Step** | **Comment** | | --- | --- | | Step 10  **Receive AI and YO files from DNs** | **Start of Process**  DNs will send the AI file for below site types:   * Offtake: It will have the Volume Data * Onshore: It will have the Volume Data * SIUs: It will have the Volume, CV and Energy Data. * STRN: It will have the CV data for Stornoway   DNs will send the YO file for below site types:   * Offtake: It will have the CV Data * Onshore: It will have the CV Data * SIUs: FWACV will be received in the file. * Boil Off: It will have CV Data   Inbound File details are given in this change pack in [Interface Section](#_Interfaces) | | Step 20  **Receive YO file from NG** | NG will send the YO file for below site types via IX Network:   * Multi-junction: It will have the Average CV Data   Inbound File details are given in this change pack in [Interface Section](#_Interfaces) | | Step 30**-**A  **Receive Industrial Volume from NG via Email** | NG will send an email with the below data:   * Industrial : It will have Volume Data   Note: NG confirmed that these sites are planned to be de-scoped from FWACV calculations in future. | | Step 30 **-**B  **Receive Boil off Volume from site operator via Email** | Site Operator will send an email with the below data:   * Boil Off: It will have Volume Data | | Step 40  **Internal to Xoserve** | All the AI and YO files will be received in the SAP PO system. The system will convert the files  into the IDOC and transfer the data to SAP ISU.  **Note:** No validations will be done in SAP PO. | | **Step 50-1**  **Internal to Xoserve** | Check if the File is received.  If for any site/sites CV or Volume data is not received move to step 100. | | **Step 50-2**  **Internal to Xoserve** | Once the IDOCs are received in SAP ISU, the data is then loaded into the relevant tables. | | Step 60  **Internal to Xoserve** | Below validations will be done:   1. Below Validation will be done on all the AI file:    1. If the files are duplicate, it will be rejected.    2. All mandatory fields are present in the file.    3. Header record(A00) will be validated as below:       1. Header Code       2. LDZ Identifier       3. File Creation Date       4. File Creation Time    4. Below fields should validated using the site setup(depending on the record type):       1. LDZ identifier       2. Onshore site, Offtake site, LDZ Transfer Out, Stornoway, SIU       3. Effective Date       4. Applicable at       5. CV       6. Energy    5. Below fields will be validated in the trailer records (Z99)       1. Record Type: Z99       2. Number of Records    6. If all the validations pass, then upload the volumes in the profiles for all the LDZ sites. For SIUs and Stornoway sites, upload the CV and Energy on main LDZ site.    7. Amended AI File will be identified if file type received in 002 like **<LDZ Code>002.PNnnnnnn.AI1**. 2. Below Validation will be done on all the YO file:    1. If the files are duplicate, it will be rejected.    2. All mandatory fields are present in the file.    3. Header record(A00) will be validated as below:       1. Site serial number       2. Site name       3. File Creation Date       4. File Creation Time    4. Below fields should validated using the allowable values in the file format:       1. CV Valid       2. Average CV       3. Average CV Attributable    5. All the mandatory fields should be present in the trailer records (Z99).   Depending upon the result from the above, the records will be marked with below status:   * If the validations pass for all the records in the received file, then update relevant tables. Also upload the CV, Volume and Energy in the profiles associated with the Site Name. * If the validations pass but the records in the file is not applicable for FWACV calculation, then update relevant tables. * In case due to any system issue, the file processing is terminated, mark the records as ‘P’(pending for processing) and fail the job.     If the validations pass for all the records in the received file, then mark all the records as ‘A’(Accepted/Ready for Processing)  Move to step 80. | | Step 70  **Notify DNs via AO<005> file (Rejections)** | If the validation fails for a couple of records in the received file, then mark the failed records as ‘R’ (Rejected) and the ones which passed the validation, mark them as ‘N’(Not Valid for processing).  Below are the proposed rejection codes for AO<005> file sent to the respective DN for the received AI file:   | **Rejection Code** | **Rejection Description** | | --- | --- | | FWCV0001 | File already exists in the system | | FWCV0002 | Incorrect File Name received | | FWCV0003 | Incorrect LDZ value received | | FWCV0004 | The LDZ on the file is not associated with the DN | | FWCV0005 | Incorrect file received from DN | | FWCV0006 | Mandatory Field is missing | | FWCV0007 | Gas day is outside closeout | | FWCV0008 | Invalid Header Code | | FWCV0009 | Site is invalid | | FWCV0010 | Invalid file format received | | FWCV0011 | Invalid trailer record | | FWCV0016 | Amended file has same data as initial File | | FWCV0017 | Invalid Record Type |   For the YO files, the below rejection codes are maintained within internal Xoserve system only and are not sent to DNs as per the current design assumption that YO response files are not required.   | **Rejection Code** | **Rejection Description** | | --- | --- | | FWCV0001 | File already exists in the system | | FWCV0002 | Incorrect File Name received | | FWCV0005 | Incorrect file received from DN | | FWCV0006 | Mandatory Field is missing | | FWCV0007 | Gas day is outside closeout | | FWCV0010 | Invalid file format received | | FWCV0012 | Incorrect Site Serial Number received | | FWCV0013 | Invalid CV flag received | | FWCV0014 | Invalid Attributable CV flag received | | FWCV0016 | Amended file has same data as initial File | | FWCV0022 | GC Sample Stream number not associated with the site | | FWCV0023 | Site does not exist in the system | | | Step 80  **Internal to Xoserve** | The data will be processed and uploaded to relevant SAP ISU tables with appropriate status | | Step 90  **Notify DNs via AO004,AO008 file** | The acknowledgement of successful processing the file would be sent to DNs – AO004 file for the original AI file (AO001) or the AO008 file for the amendment file (AI002) for the respective DN | | Step 100  **Notify DNs of Missing CV/Volume on D+3 via Email** | Missing CV notification email will be issued to respective DNs for any site/sites on D+1 post YO file processing job.  Missing CV/Volume chaser notification email will be triggered to DNs on D+3 for any missing CV or Volume data at the end of D+2 for any site/sites |  * **FWACV Calculation**   The below process flow diagram and table details the system, path and the processing mechanism for the FWACV Calculation.    Figure : FWACV Calculation – Process Flow   | **Step** | **Comment** | | --- | --- | | Step 10 | **Start of Process** | | Step 20  **Internal to Xoserve** | Pre-checks to ensure the correct CV and Volume data that fed into FWACV Calculation Job:  Site types valid for FWACV Calculation:   * Offtake site * Onshore site * Boil off sites * Industrial sites * LDZ Transfer Out   Initial Run: For the sites where AI/YO file are not available for the Gas flow day; SUBSTITUTION PROCESS will be executed i.e. the values from the previous day will be used for CV and Volume. | | Step 30  **Internal to Xoserve** | Attribution mapping matrix checks( including the CV valid flag, attributable flag checks) are performed. The details are as given in the below table.    Note1: Missing CV file checks are done as part of File Processing Process and a email notification is sent to DNs on D+1, D+3 so that DNs can share the data before D+5 closeout. Refer File Processing steps in the change Pack.  Note2 : The attribution mapping matrix will be configurable and any changes to the same must follow the change process agreed between DNs and Xoserve.  Note3 : Our working assumption is that there is no attribution matrix for Onshore, Boil off and Industrial sites available. | | Step 40  **Internal to Xoserve** | Fetch CV from Attribution Matrix based on the step 30 checks  Move to step 110 | | Step 50  **Internal to Xoserve** | For the given site, check if the site is live for the past 365 days and it has CV available for any of the past 365 days. | | Step 60  **Internal to Xoserve** | If successful, fetch the lowest CV from the last 12 months data and pass it to the FWACV calculation job and move to step 140, else move to step 80 | | Step 70  **Notify DNs via Email** | An email will be triggered to DNs to notify that the Lowest CV Value was used in FWACV calculation  The generic email format is given below:  *Dear Sir/Madam,  Lowest CV present in the last 365 days i.e.* ***XX.XXXX*** *is used for Site Number* ***XXXXXXXXXXXXXX*** *in FWACV Calculation.*  *Regards,*  *Xoserve*  Note: Please contact Xoserve team on [capcom@xoserve.com](mailto:capcom@xoserve.com) for any queries related to the content of this email. | | Step 80  **Internal to Xoserve** | Default the CV for the given Site to 37 MJ/M3 and pass it to the FWACV calculation job and move to step 140 | | Step 90  **Notify DNs via Email** | An email will be triggered to DNs to notify that the default CV Value of 37 was used in FWACV calculation  Generic e-mail format is given below:  *Dear Sir/Madam,  Default CV value i.e. 37 is used for Site Number* ***XXXXXXXXXXXXX*** *in FWACV Calculation.*  *Regards,*  *Xoserve*  Note: Please contact Xoserve team on [capcom@xoserve.com](mailto:capcom@xoserve.com) for any queries related to the content of this email. | | Step 110  **Internal to Xoserve** | If attribution is successful and CV is available for the site pass the CV value to FWACV calculation and move 140, else move to step 120 and 40 | | Step 130  **Internal to Xoserve** | CDSP Internal Admin users are provided with an SAP ISU screen, wherein they will be able to update the CV for a site which then feeds into the next FWACV calculation run | | Step 140  **Internal to Xoserve** | The FWACV calculation Job would be scheduled with the below algorithm built-in:   * **Site Energy =** Site volume \* Site Average CV * **LDZ Volume =** Sum of all site volumes (Onshore + Offtake + Boil Off + Industrial + Transfer In – Transfer Out) * **Transfer In LDZ Volume =** Sum of all LDZ sites volumes (Onshore + Offtake + Boil Off + Industrial + Transfer In) * **Transfer Out LDZ Volume =** Sum of all LDZ sites volumes (Onshore + Offtake + Boil Off + Industrial - Transfer Out) * **LDZ (Measured) Energy =** Sum of all LDZ sites energy (Onshore + Offtake + Boil Off + Industrial + Transfer In – Transfer Out) * **Transfer In LDZ Energy =** Sum of all LDZ sites energy (Onshore + Offtake + Boil Off + Industrial + Transfer In) * **Transfer Out LDZ Energy =** Sum of all LDZ sites energy (Onshore + Offtake + Boil Off Industrial - Transfer out) * **LDZ FWACV =** LDZ Energy / LDZ Volume * **LDZ Capped CV =** (Lowest site CV in the LDZ) + 1 * **LDZ Billing CV =** Min (LDZ CV, LDZ Capped CV) * **Site Billed Energy =** Site Volume \* Billed CV for the LDZ * **LDZ Billed Energy =** Sum of all sites Billed Energy in the LDZ * **Offtake Billed Energy =** Sum of each LDZ's Offtake Billed Energy for Gas Day D * **Onshore Billed Energy =** Sum of each LDZ's Onshore Billed energy for Gas Day D * **Boil Off Billed Energy =** Sum of each LDZ's Boil Off Billed energy for Gas Day D * **Industrial Billed Energy =** Sum of each LDZ's Industrial Billed energy for Gas Day D * **Transfer Out Billed Energy** = Sum of each LDZ's Transfer Out Billed energy for Gas Day D * **Transfer In Billed Energy =** Sum of each LDZ's Transfer In Billed energy for Gas Day D * **Total Billed Energy =** (Offtake Billed Energy + Onshore Billed Energy + Boil Off Billed Energy + Industrial Billed Energy + Transfer In Billed Energy – Transfer Out Billed Energy)   Below are the data feed cut off times that are considered for FWACV job run.  D+1:   * All files received or CV entered/uploaded via screen by 9 AM, is considered for 10 AM processing job. * All files received between and entered/uploaded between 9 AM and 12 PM, is considered for 13:30 processing job * All files received between and entered/uploaded between 12 PM and 2:30 PM, is considered for 15:30 processing job   D+2 – D+5:   * All files received or CV entered/uploaded via screen after 2:30 PM on D+1 and 7:30 AM on D+2, is considered for 8:30 AM processing job. * All files received between and entered/uploaded between 7:30 AM and 12 PM, is considered for 13:30 processing job * All files received between and entered/uploaded between 12 PM and 2:30 PM, is considered for 15:30 processing job | | Step 150  **Response files to DNs via AO001 and AO002** | The schedule job would generate and send the response files AO001/AO002 to DNs with below details:   * Billing CV * FWACV   These files are generated and sent to DNs post the below FWACV Calculation runs for the Gas Day D as per below:  D+1 processing   * 11:00 * 14:00 * 16:00   D+2 to D+5 processing   * 09:00 * 14:00 * 16:00   The File Formats are attached in this change pack in [file formats section](#_File_Formats:). | | Step 160  **SC9 file sent to Shippers and NG** | The job would be scheduled to generate and publish the SC9 files as given below   * SC9 file to Shippers and NG for Gas Day D on D+1: * Initial data set sent by 11:00 and second run for any further changes to CV will be sent by 16:00 * Amendments to volume and CV information made between D+1 to D+5 has to be reported by D+5 (5 business days)   **Note:** The CV values must be available to Shippers and NG by 11:00 am every day, the transporters will be subjected to a fine if this is not available by 16:00 as mentioned in UNC (TPD Section C 1.6). | | Step 170  **FWACV file sent to Gemini** | The schedule job would generate and send the FWACV file to Gemini with the below details for the Offtake, Onshore and SIU, site types:   * LDZ Volume * LDZ CV * Site Energy   For Stornoway site types   * CV data   These files are generated and sent to Gemini for the Gas Day D as per below:  D+1 processing   * 10:40 * 13:35 * 15:50   D+2 to D+5 processing   * 10:40 * 13:35 * 15:50   **Note: Accepting this file at Gemini end is out of scope of XRN5321 and will have to be implemented as part of Gemini consequential changes.**  The File Format is attached in this change pack in [file formats section](#_File_Formats:). | | Step 180  **Notify DNs via Email** | An email will be triggered to DNs and OFGEM whereby LDZ Billing CV was Capped  Generic e-mail format is given below:  *Dear Sir/Madam,  For LDZ* ***XX*** *LDZ Billing CV has been Capped.*  *Regards,*  *Xoserve*  Note: Please contact Xoserve team on [capcom@xoserve.com](mailto:capcom@xoserve.com) for any queries related to the content of this email. |  * **Loss of Record (LOR) Process**   The below process flow diagram details the system, path and the processing mechanism in the case of a LOR scenario.    Figure: Loss of Record – Process Flow   | **Step** | **Description** | | --- | --- | | Step 10  **Start the process** | Start the Process | | Step 20  **DNs trigger LOR Process** | The DNs identify the sites and the Gas Days for which the LOR is to be declared and LOR process to be followed | | Step 30  **Receive the LOR from DNs via email** | SAP IS-U will receive LOR email from DNs  Move to step 40 | | Step 40  **Internal to Xoserve** | New SAP ISU screen to feed-in the LOR Dates and initiate the process by entering execute. | | Step 50  **Internal to Xoserve** | Carry out validation checks and process the LOR and update the relevant tables.  The trigger would also check if any site in the LOR scenario fed in is in excluded list or the site is of zero volume. | | Step 60  **Notify DNs via Email** | Response email will be generated to DNs with:  1. Sites excluded for FWACV  2. Zero Volume Site  Generic e-mail formats are given below:  *Dear Sir/Madam,  Site Name* ***XXXXXXX*** *is excluded from the FWACV Calculation.*  *Regards,*  *Xoserve*  *Dear Sir/Madam,  Site Name* ***XXXXXXX*** *is has been attributed due to site not flowing.*  *Regards,*  *Xoserve*  Note: Please contact Xoserve team on [capcom@xoserve.com](mailto:capcom@xoserve.com) for any queries related to the content of these emails. | | Step 70  **Internal to Xoserve** | FWACV calculation will be carried out. | | Step 80  **Internal to Xoserve** | Check if the LOR GAS DAY is with-in closeout. It will be determined that the date is less than the system date. If the file is amended, then check if the EFFECTIVE DATE is for up to -5 calendar days.  Move to step 90 else 100. | | Step 90  **Within D+5 window**  **SC9 file sent to Shippers and NG**  **FWACV file sent to Gemini**  **AO001 file sent to DNs** | Within D+5 window  Trigger the SC9 files to Shippers and National Grid.  Trigger the FWACV File to Gemini.  Trigger AO001 file to DNs  Move to Step 110. | | Step 100  **Outside D+5 window**  **Notify DNs via Email**  **SC9 file sent to NG** | Outside D+5 Window  Trigger SC9 file to National grid  Trigger an email notification to DNs with billing CV  Generic e-mail format is given below:  *Dear Sir/Madam,  Below is the FWACV calculated in an LOR scenario within/outside D+5:*  *LOR Reason:* ***The LOR reason on the LOR file***  *LDZ:* ***LDZ ID from the File Name***  *Gas Day:* ***DDMMYYYY***  *Stream:* ***Stream Name from LOR file***  *Attributed CV :* ***XX.XXXXX***  *Attribute Site:* ***The attributed site name from which the CV value was used. On Attribution failure or not triggered this would remain blank***  *Original FWACV:* ***Calculated FWACV before LOR was declared***  *New FWACV:* ***Re-calculated FWACV post processing LOR***  *Regards,*  *Xoserve*  Note: Please contact Xoserve team on [capcom@xoserve.com](mailto:capcom@xoserve.com) for any queries related to the content of these emails.  Move to Step 110. | | Step 110 | End of the Process |  ReportingOFGEM Audit Report As part of the FWACV Service, we have regulatory obligation to send the Audit Report on the 10th of every month to OFGEM.  OFGEM audit report is a flat file sent monthly via email (attachment).  The OFGEM Audit Report includes the below details:   * **On Shore Field Record** - For each LDZ there is a record for each on-shore field contained by the LDZ. * **Offtake Record** - For each LDZ there is a record for each NTS offtake which supplies the LDZ. * **Tracker Calorimeter record** - For each offtake, where the offtake has a tracker calorimeter installed/configured. * **Official Calorimeters considered in the capping Process** - These records are a distinct list of all official calorimeters which are considered in the capping process. This record differs to the other records in that a meter reference will also be provided. A given site may have multiple official calorimeter meters. It should also be noted that a record for a calorimeter may appear more than once in the file as a calorimeter can feed more than one LDZ.   *Note: DNs to provide the reference for the calorimeter values as part of data preparation activities for these details to be populated within this report.*   * **LDZ record** - These records give the total volume, total energy, FWACV (uncapped) and FWACV (capped) for each LDZ. * **LDZ Transfers In record** - These records give the transfer Volume, CV & Energy into each LDZ where a transfer point exists. * **LDZ Transfers Out record** - These records give the transfer Volume, CV & Energy out of each LDZ where a transfer point exists. * **NTS VLDMC using LDZ CV** - These records hold data for sites which are categorised as special within the flow weighted average CV process. These records hold values for sites that are classified as NTS sites, but which use the IDZ CV. The energy and CV values are the attributed values for the site. * **Sub-LDZ VLDMC using site own CV** - These records will hold data for sites which are categorised as special within the flow weighted average CV process. These record hold values for special sites which measure and use their own CV even though they are classified as sub-LDZ site * **Official Calorimeters not directly considered in the Capping** Process - these are distinct records for all official calorimeters which are not considered in the capping process. These records differ: the other records in that a meter reference is also provided. A given site may have multiple official calorimeter meters. * **Official Calorimeters selected by Site Stream Selection Process** - These are distinct records for all the meters used in the site stream selection process.   **Report Specifications:**  [**OFGEM Audit Report Specifications**](https://umbraco.xoserve.com/media/42686/ofgem-audit-report-specifications.xlsx)  ***Note1:The report will be a flat file generated based on the specifications mentioned in the attached excel document.***  **Note2:** The designing of the associated table and job to generate the OFGEM Audit Report can only be progressed once the source of these values is identified which is currently pending clarification from NG Monthly Audit Report to DNs This is the copy of the above [**OFGEM audit report**](#_OFGEM_Audit_Report) which is created and sent to respective DNs.. This will be a flat file sent via email (attachment) to DNs box account on monthly basis. File Formats: Proposed file formats attached below:   1. **AI File** [**File Format**](https://umbraco.xoserve.com/media/42679/file_format_ai.xlsx)   [**Hierarchy**](https://umbraco.xoserve.com/media/42676/ai_hierarchy.xlsx)     1. **AO File** [**File Format**](https://umbraco.xoserve.com/media/42680/file_format_ao1.xlsx)[**Hierarchy**](https://umbraco.xoserve.com/media/42677/ao1_hierarchy.xlsx)      1. **YO File:** [**File Format**](https://umbraco.xoserve.com/media/42683/file_format_yo.xlsx)[**Hierarchy**](https://umbraco.xoserve.com/media/42687/yo_hierarchy.xlsx)        1. **SC9 File:** [**File Format**](https://umbraco.xoserve.com/media/42682/file_format_sc9.xlsx) 2. [**LOR Email attachment Template**](https://umbraco.xoserve.com/media/42684/lor_template.xlsx)   Proposed template to be used by DNs to share the LOR data to Xoserve via email. This is a prototype and can be confirmed as part of Data migration/Market trials phase.     1. [**FWACV File format**](https://umbraco.xoserve.com/media/42681/file_format_fwacv.xlsx) 2. [**Missing CV data Email template**](https://umbraco.xoserve.com/media/42685/missing_cv_volume.xlsx)   Proposed T This is a prototype and can be confirmed as part of Data migration/Market trials phase.emplate to be used by DNs to share the Missing CV data to Xoserve via email.This is a prototype and can be confirmed as part of Data migration/Market trials phase.   1. **Rejections:**   Rejections are sent to DNs for AI files only.  Proposed AI File Rejection codes are given below   | **Rejection Code** | **Rejection Description** | | --- | --- | | FWCV0001 | File already exists in the system | | FWCV0002 | Incorrect File Name received | | FWCV0003 | Incorrect LDZ value received | | FWCV0004 | The LDZ on the file is not associated with the DN | | FWCV0005 | Incorrect file received from DN | | FWCV0006 | Mandatory Field is missing | | FWCV0007 | Gas day is outside closeout | | FWCV0008 | Invalid Header Code | | FWCV0009 | Site is invalid | | FWCV0010 | Invalid file format received | | FWCV0011 | Invalid trailer record | | FWCV0016 | Amended file has same data as initial File | | FWCV0017 | Invalid Record Type |   Proposed YO File Rejection codes are given below, these are only used by the internal xoserve processes.   | **Rejection Code** | **Rejection Description** | | --- | --- | | FWCV0001 | File already exists in the system | | FWCV0002 | Incorrect File Name received | | FWCV0005 | Incorrect file received from DN | | FWCV0006 | Mandatory Field is missing | | FWCV0007 | Gas day is outside closeout | | FWCV0010 | Invalid file format received | | FWCV0012 | Incorrect Site Serial Number received | | FWCV0013 | Invalid CV flag received | | FWCV0014 | Invalid Attributable CV flag received | | FWCV0016 | Amended file has same data as initial File | | FWCV0022 | GC Sample Stream number not associated with the site | | FWCV0023 | Site does not exist in the system |  Data Migration: As part of the Data migration activity, we proposed for this to carried out for two data sets. A custom program will be developed to create the sites and upload the data in the system. All the attributes should be received in an excel format as attached below.   1. Master Data Migration: The data as part of master data migration would include:  * Active Sites for the below site types: * Offtake Sites * Boil Off Sites * Onshore Sites * SIUs sites * Stornoway site * Transfer IN sites * Transfer OUT sites * Multi-junction sites   As part of the Migration activity, the complete site setup will be done which includes the below:   * Technical POD/MPRN creation * Device * Device Allocation to POD/MRPN * Profile Setup on the Device  1. Historic Data Migration: The data as part of historic data migration would include:    * Latest Average CV and Volume for all active sites for 12 months.    * FWACV at LDZ for 7 years.   As part of the Migration activity, the complete site setup will be done which includes the below:   * Data loaded for latest Average CV in the profile for that site * Data loaded for latest Volume in the profile for that site * Data loaded for FWACV in the files at the LDZ level   [**Data Migration Details**](https://umbraco.xoserve.com/media/42678/data_migration.xlsx)  Note1: Data migration timings will be planned and confirmed with customers as part of preparation for testing the solution with customers.  Note2: As part of data migration the sequence of the file numbers will be taken into consideration to ensure the first job runs will send the correct file sequence number and naming to the relevant interfaces. Service Transition Service Transition approach and plan will be defined and shared by Xoserve with customers as part of our stakeholder engagement. This will require sign on and support from National Grid, DNs and Shipper community during the project lifecycle. |

# G6: Associated Changes

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| Associated Change(s) and Title(s): | National Grid (Gemini/MIPI) Consequential changes - TBC |

# G7: DSG

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| Target DSG discussion date: | 01/01/0001 |
| Any further information: | XRN5231 has been to DSG for discussion and agreement on the proposed solution option which has been agreed by ChMC |

# G8: Implementation

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| Target Release: | March/April 2022 |
| Status: | For Approval |

Section H: Representation Response

H1: Change Representation

(To be completed by User and returned for response)

# *Please consider any commercial impacts to your organisation that Xoserve need to be aware of when formulating your response*

|  |  |  |  |
| --- | --- | --- | --- |
| User Contact Details: | Organisation: | Wales & West Utilities | |
| Name: | Catherine Litster | |
| Email: | catherine.litster@wwutilities.co.uk | |
| Telephone: | 07816661617 | |
| Representation Status: | Approved with comments | | |
| Representation Publication: | Publish | | |
| Representation Comments: | We believe that the proposed change poses a risk to WWU and the wider business due to the tight time frame involved and the amount of specialised knowledge that is needed to be able to implement and run the system accurately. The FWACV calculation and everything that it entails relies on an in-depth understanding of the Thermal Energy Regulations and without this we run the risk of breaching those regulations and being held accountable by Ofgem.  Notes to specific areas of the document. 1. Important: SC9 file sent to Shippers; Currently SC9 Files/SCADA Changes are not in our change scope. If any such changes need to be made, that will require a wider impact assessment involving our DNCS SCADA and DNCS BA systems to see how we can get the SCADA values to be sent to Xoserve for SC9 file.  I believe we agreed that if it was acceptable the previous day’s value would be used in the meantime.  2.FWACV Service Overview; Should the ability to add/remove or freeze sites be added to this list, as this is a current function that will need to be checked during testing. Can we confirm who the responsibility of providing the attribution mappings sit with? The DN’s believe this should sit with NG as they are the ones who understand the direction flows across the networks.  3.Key Assumptions; Point 8 - This should be worded as point 7 above (i.e D1 to D4) Need to include what happens at D+5, use lowest for the year or a default of 37 if a year’s data isn’t available? Point 9 - Will this data also be available for the DN’s to validate? Point 11 - How much information are you expecting? Obviously, we have the current sites, but we also have frozen and new sites due on in coming months. Point 15 - Can we confirm the FWACV file is what NG refer to as the PRCMS file and the information that it contains.  - I think this statement needs to be clearer.  I believe it is in reference to the PRCMS file and that for the offtakes (OF) the LDZ billing CV is entered with the flow (from the AI file) and energy calculated using the LDZ billing CV.  However, for the onshore (OS) (biomethane sites) the site CV (the same as the Y0 file) is entered, along with the flow and energy from the AI file. This data is then passed through and used in their contractual agreements with their Shipper. - Unless the CV is missing or a LOR, then an attributed value (lowest or 37) is used. Point 19 - Could you add what happens if the file is not received or corrupt i.e. the DN will be notified using the Morning (missing CV) Process.  Point 21 - As we have confirmed we are unlikely to be able to work to 6 months’ notice in most cases. As stated, timelines need to be agreed, however, NG normally require 6 weeks’ notice for new sites. Point 22 - Are these the files that contain the LDZ billing CV? If so, please can we confirm the time they need to be with the GDNs, I think it’s 10:15 or so. Point 24 - Confirm time sent to DN and how long we have to process and return data i.e., D+5?  4. FWACV Calculation; Step 60 - Check when the 12 months start, is this the day prior to the failed CV?  i.e., If today’s date is 28th Mar 2019 the lowest CV for the last 12 months should be determined from 27th Mar 2018 to 27th Mar 2019. Step 110 - Step 120 seems to be missing from the flow diagram or numbered incorrectly. Step 150 - We currently receive this by about 10:40 so we need to maintain this schedule as it supports other processes too. Step 170 - Confirm the LDZ CV is the LDZ billing CV.  5. Loss of Record (LOR) Process; Step 60 - Sorry I don’t understand this section. Are you sending out an email every time a site doesn’t flow? If you are you’re going to sending a lot of emails as many offtakes are shut down all summer and report a CV of 35 to show it’s not to be included in the FWACV calculation. Step 100 - What format is being used for a range of gasdays? i.e., DDMMYYYY to DDMMYYYY, or each gasday listed individually? - If the LOR covers multiple gasdays will this list the CV’s for each gasday?  6. Data Migration;  - Will this data come to the DN’s to be validated, prior to its use? - This would be the offtake/onshore site CV rather then the LDZ billing CV. Will the system exclude CV’s of 35 where the site wasn’t flowing for the gasday?  7. LOR Template; This is missing a section to enter the sample stream i.e., Stream 3 or 4. | | |
| Confirm Target Release Date? | Yes | | «h1\_userDataAlternative» |

# H1: Xoserve’ s Response

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| --- | --- |
| Xoserve Response to Organisations Comments: | Thank you for your representation, we will feed this into ChMC for a final decision. |

Please send the completed representation response to [uklink@xoserve.com](mailto:uklink@xoserve.com)

H1: Change Representation

(To be completed by User and returned for response)

# *Please consider any commercial impacts to your organisation that Xoserve need to be aware of when formulating your response*

|  |  |  |  |
| --- | --- | --- | --- |
| User Contact Details: | Organisation: | Cadent | |
| Name: | Shiv Singh | |
| Email: | Shiv.singh1@cadentgas.com | |
| Telephone: | 07580 999 287 | |
| Representation Status: | Reject | | |
| Representation Publication: | Publish | | |
| Representation Comments: | Page 2/3: Cadent do not use the TOD value.   Page 7: S.No. 4 Please provide clarification on this and confirm which sites are covered  Page 7: S.No.10 OS meter type – It is not possible to publish the Volume, CV and Energy if you are only picking up the Volume data in the AI file as described in Step 10 page 9.  Page 7: S.No. 21 Can you confirm where the 6 months’ notice is documented please?  Page 8: S.No. 22 With regard to amendments made between D+1 to D+5 has to be reported by D+5 (5 business days) – this should be by D+5 not 5 business days.   Page 9: file processing – reflects the issue described for Page 7, no 10.  Page 14: Step 50 Should it state to move to step 80 if CV is not available?  Page 14: Step 60 Should “else move to step 80” be removed as this should be covered in step 50 instead?  Page 15: Step 110 States “else move to step 120” – can’t find step 120 in the process flow diagram?  Page 16: Step 160 States amendments to be reported by D+5 (5 business days) – this should be by D+5 not 5 business days.  Page 16: Step 170 States that the LDZ CV will be sent to Gemini for the Onshore fields. It should not be the LDZ CV, it should be the site CV, which currently comes from the AI file as stated in Page 7 no 10. Should include: Offtake Site Volume.  For Onshore Fields should be: Site Volume, Site CV, Site Energy   Page 16: Step 180 States “and email will be triggered to DNs and OFGEM whereby LDZ Billing CV was capped” – this should read NG, DNs, and OFGEM as per the process flow diagram.  Ofgem are not present on the process diagram. | | |

# H1: Xoserve’ s Response

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| Xoserve Response to Organisations Comments: | Thank you for your representation, we will feed this into ChMC for a final decision. |

Please send the completed representation response to [uklink@xoserve.com](mailto:uklink@xoserve.com)

H1: Change Representation

(To be completed by User and returned for response)

# *Please consider any commercial impacts to your organisation that Xoserve need to be aware of when formulating your response*

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| User Contact Details: | Organisation: | Northern Gas Networks | |
| Name: | Helen Chandler | |
| Email: | hchandler@northerngas.co.uk | |
| Telephone: | 07580704123 | |
| Representation Status: | Support | | |
| Representation Publication: | Publish | | |
| Representation Comments: | NGN supports this design. | | |
| Confirm Target Release Date? | Yes | | «h1\_userDataAlternative» |

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| User Contact Details: | Organisation: | SGN | |
| Name: | Sally Hardman | |
| Email: | sally.hardman@sgn.co.uk | |
| Telephone: | 07970 019027 | |
| Representation Status: | Approve | | |
| Representation Publication: | Publish | | |
| Representation Comments: | SGN supports this change and we have set out below our comments regarding the detailed design presented.  G3: Change Detail - SC9 File TOD With reference to the publication of the SC09 files detailing the TOD value which has previously been calculated by National Grid. In line with the UNC obligation to provide the prevailing best estimate it is our opinion that Xoserve should use the proceeding day’s actual LDZ CV as the TOD value for the gas day.  Interfaces The documentation provided does not indicate the details of the IX Servers the DNs should be sending to, or from which IX Gateway(s) they should be sending from. Will there be a requirement for the existing files to be split between different IX Gateways or via one IX Gateway? If files are spilt the DN’s will need to know specific information on which files should be grouped together, and where they should be sent to / from.  File formats requisites have not been set out in the documentation i.e. 583 format appears to be the format indicated in the Inbound files section. Specifically for SGN we have various IX Gateways which use different file formats and would appreciate the clarification.   Inbound/Outbound Files It would appear that the following files have been omitted from the list of new inbound file to Xoserve from the DN’s YO3, Y04 and YO5. In addition these have been listed in the Outbound files as being provided from the DN’s therefore this is also unclear as to the files which will be provided to DN’s and NG from Xoserve.   We note that the AO<003> inbound files will cease to be provided as part of the migration of the service to Xoserve from NG. Will there be another form of notification regarding rejected files?  G5: Change Design Description  FWACV Service Overview 10. SGN would expect that transparency is provided on all Non-Functional standards.   Key Assumptions 4. We would assume that all NG sites will no longer be within scope of the new FWACV service.  21. Regarding the obligation set out in OAD to provide ‘not less than 6 months’ notice informing any changes. DN’s are unable to provide 6 months’ notice regarding new sites, and historically this has usually been 1 month.  For example, currently if a new Biomethane site were to be required NG would set up an On Shore Field and in turn set up the FWACV at the same time. If the site is setup but no data is flowing this could impact the FWACV calculation.  24. We require a better understanding of how the process regarding Missing CV data will be provided and notified to DN’s and the timeframes required for these processes.  26. Notification may be provided at any point within the process up to D+5 or prior to the process commencing. This is in the main due to sites under the Ofgem Letter of Direction for the site being removed, suspended, or reinstated at short notice.   The indicated Service Line within the Change Pack is currently Service Line 6 however this would appear not to fit the service being proposed. SGN’s expectation would be for this to sit within Service Area 10. | | |
| Confirm Target Release Date? | Yes | | «h1\_userDataAlternative» |

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