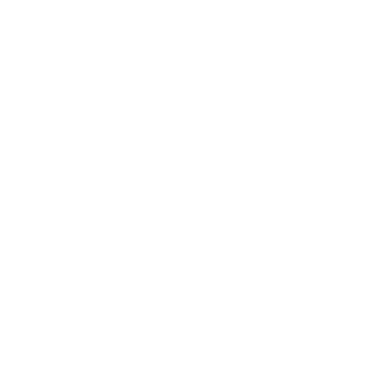
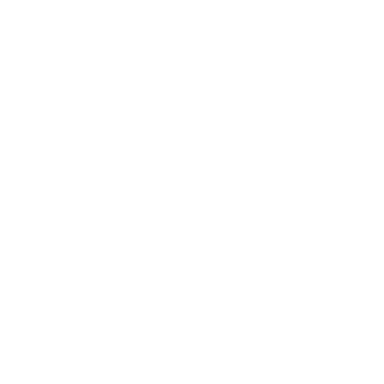
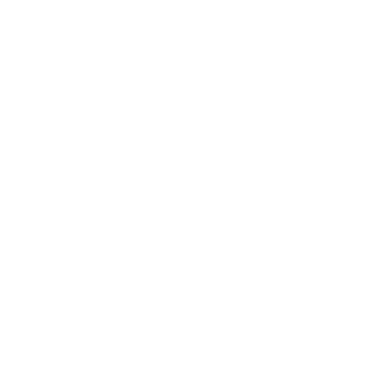
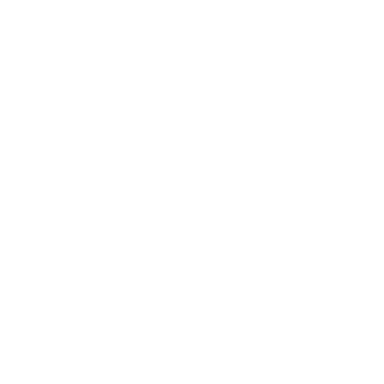
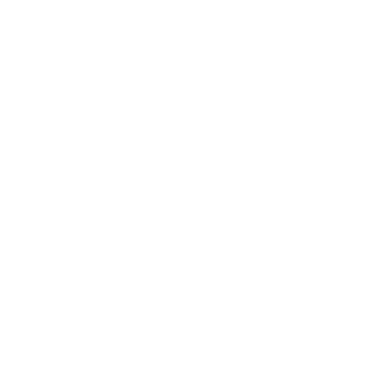
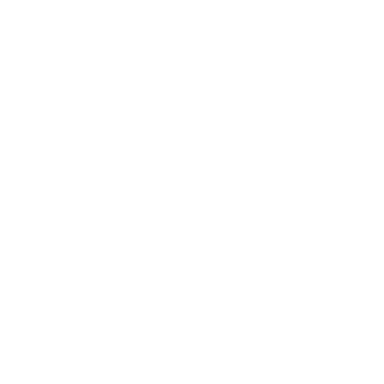


**XRN5605**

# Amendments to the must read process (IGT159V)



**High Level Solution Option**

**Impact Assessment Summary**

|  |
| --- |
|  |

|  |
| --- |
|  |
| **Introduction** |
|  |
| This **High Level Solution Option (HLSO) Impact Assessment Summary** is designed to provide DSC customers with the appropriate details to aid in understanding proposed Solution Options being put forward to the industry to satisfy customer requirements for the specified DSC Change Proposal (XRN).  This document aims to provide transparency in the analysis carried out to date by the CDSP and assist customers in making informed decisions around impacts to the industry, the CDSP and potential changes to their own systems & processes as a result of the proposed Solution(s).  Please note that the details and cost estimates outlined within this document has a validity period of 6 months following the issue of the Solution Option Change Pack.  If you have any questions related to this HLSO, please contact the [uklink@xoserve.com](mailto:uklink@xoserve.com) box account in the first instance. |
|  |

|  |
| --- |
|  |
| **Target Audience** |
|  |
| This High Level Solution Option (HLSO) Impact Assessment Summary is targeted to specific DSC Customers and industry parties shown below following analysis to date.   * **Gas Shippers** * **Independent Gas Transporters (IGT)**   It is advised that this document be reviewed in its’ entirety and parties provide the CDSP representations/feedback via the Change Pack consultation process.  However, it is also encouraged for ALL industry parties to review and where appropriate provide representations/feedback on potential impacts for the solution option(s) being proposed within this HLSO.  Please note that different solution options could impact different industry parties and in different ways, these are called out and referenced in the individual Solution Option sections within this document. |
|  |
|  |
|  |
|  |
| **Change Overview – XRN5605** |
|  |
| This Change Proposal has been raised to deliver the requirements set out under IGT UNC Modification 159V.  IGT UNC Modification 159V was raised to update the IGT must read process to include timescales for a Supply Meter Point (SMP) to enter the process and to introduce timeframes for procuring and returning a read that aligns with read validation.  The Change Proposal will amend the IGT must read process in line with the Modification IGT159V requirements which includes the following:   * Placing a timeframe on the must read being provided by the IGT to ensure it aligns with the current validation window. * Allowing Shippers a mechanism to exclude SMPs from the IGT must read process which have a known meter issue preventing reads being obtained. * Excluding SMART, AMR and DCC Active SMPs from being included in the IGT must read process. * Where there is a Supplier of Last Resort (SoLR) or Change of Shipper (CoS) event, allow a 4 month pause in the relevant SMP(s) entering the IGT must read process. * Ensuring the Performance Assurance Committee (PAC) are provided the relevant information about the IGT must read process. |
|  |

|  |
| --- |
|  |
| **Useful Information** |
|  |
| The below has been provided to aid customers understanding of the Change Proposal and/or any information that may be useful in reviewing this HLSO Impact Assessment Summary. |
|  |
| * Link to Change Proposal: [XRN 5605 | Xoserve](https://www.xoserve.com/change/customer-change-register/xrn-5605-amendments-to-the-must-read-process-igt159v/) * IGT UNC Modification : [IGT159V – Amendments to the Must Read Process](https://www.igt-unc.co.uk/igt159-amendments-to-the-must-read-process/) |
|  |

|  |  |
| --- | --- |
|  | |
| **Customer Requirements Mapping** | |
|  | |
| The attached document shows the Customer Requirements that have been considered in the production of this HLSO Impact Assessment Summary.  This document also illustrates which requirements have been met for each Solution Option being presented and provides customers with an overall % of Customer Requirements coverage for each. | |
|  | |
|  |  |
|  | |

|  |  |  |
| --- | --- | --- |
|  | | |
| **Proposed Solution Options** | | |
|  | | |
| The proposed High-Level Solution Option(s) that have been impact assessed to satisfy customer requirements are as follows: | | |
|  | | |
|  | **1:** | **Option 1 – XRN5605 uses CMS (split into sub-options a and b)** |
|  | **2:** | **Option 2 – XRN5605 uses Industry Flows** |
|  | **3:** | **Option 3 – XRN5605 uses Industry Flows with sFTP** |
|  | | |
| Details of the impact assessment carried out for each proposed solution option has been outlined in subsequent sections of this document. If more than one solution is being proposed, sections will be repeated, however, they have been colour coded for ease of use. | | |
|  | | |

|  |
| --- |
|  |
| **High Level Solution Comparison** |
|  |
| Below provides a high-level comparison between the proposed Solution Option(s) to aid customers in appropriate decision making and representation responses. |
|  |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Solution** | **CDSP**  **Impact** | **Customer Impact** | **Release Type** | **Upper**  **Estimate £** | **Customer Requirement** | | **1a:** | Medium | Small | Standalone | 224,000 | 100% coverage | | **1b:** | Medium | Small | Standalone | 192,000 | 100% coverage | | **2:** | Medium | Medium | Standalone | 197,000 | 100% coverage | | **3:** | Medium | Large | Standalone | 187,000 | 100% coverage | |
|  |
|  |

**1: Option 1 – XRN5605 uses CMS**

|  |
| --- |
|  |
| **Solution Overview** |
|  |
| Option 1 aims to deliver the customer requirements of:   1. When IGTs provide reads (as a result of the ‘failure to obtain readings’ obligations) to the CDSP, outside of the standard validation window of 25 Supply Point System Business Days (SPSBDs) after the read has been obtained, to provide a view to the IGT that such reads have failed validation. 2. The ability to exclude SMPs with a known meter issue preventing reads being obtained from the obligations under ‘failure to obtain readings’ (Must Read process):    1. Giving Customers a means of flagging / unflagging SMPs with a known meter issue.    2. Allowing the ‘non-submitting party’ the ability to view SMPs with a known meter issue. 3. Excluding SMART, AMR and Active DCC SMPs from the ‘failure to obtain readings’ obligations (Must Read process). 4. Excluding SoLR / CoS:    1. Where a Shipper has gained a SMP via the SoLR process, the timeline for the SMP to trigger the ‘failure to obtain readings’ logic is paused for a period of 4 months from the point the incoming Shipper obtains the SMP to allow the new shipper the opportunity to obtain a read.    2. Where there is a CoS event, the timeline for the SMP to trigger the ‘failure to obtain readings’ logic is paused for a period 4 months from the point the incoming Shipper obtains the SMP to allow the new shipper the opportunity to obtain a read.    3. **(Could Have requirement)** – Where there was a Change of Supplier (CoSup) event, the timeline for the SMP to trigger the ‘failure to obtain readings’ logic is paused for a period 4 months from the point the incoming Shipper obtains the SMP. |
| 1. Creating new Performance Assurance Report Register (PARR) reporting that provides insight into the effect of MOD IGT159V.   **Summary of the solution option being proposed.**  There will be three main parts to the solution:   1. A facility to flag/unflag an SMP as having a meter issue, for the purposes of must read process. 2. A facility to evaluate the new business validation rules, as set out in MOD IGT159V (e.g., SMP is flagged to have a known meter issue) and prepare reports, for Customers, of meters that must be read. 3. Addition of new PARR report/s to support MOD IGT159V. |

|  |
| --- |
|  |
| **Constituency Impact Overview** |
|  |
| Below provides a high-level view of impacts to DSC Customers and industry parties, more details and reasoning for such are outlined in the later sections.  Please note that the below is the view of the CDSP following analysis to date on the solution option being proposed. It is encouraged for representatives to carry out their own assessment and where possible provide feedback if they feel the below is not a true representation of the impacts that would be felt if the proposed solution option were to be progressed with and implemented. |
|  |
| |  |  |  | | --- | --- | --- | | Gauge with solid fill  High | N/A |  | |  |  | | Speedometer Middle with solid fill  Medium | N/A | |  |  | | Speedometer Low with solid fill  Low | **Shippers**  **Independent Gas Transporters (IGTs)**  **Performance Assurance Committee (PAC)** | |
|  |

|  |  |
| --- | --- |
|  | |
| **Solution Impact Summary** | |
|  | |
| The below provides a high-level summary of the proposed solution option, additional details for each are provided in subsequent sections. | |
|  | |
| CDSP Impact: | **Medium** |
| Customer Impact: | **Small** |
| Release Type: | **Standalone** |
| Cost Estimate: | **Option A. 110,000 GBP to 224,000 GBP**  **Option B. 92,000 GBP to 192,000 GBP** |
| Customer Requirement Coverage: | **100%** |
|  | |

|  |
| --- |
|  |
| **Estimated Cost Breakdown** |
|  |
| Estimated costs provided are indicative and based on high level analysis to date and may be subject to change if the solution moves further through change development.  Costs have been broken down into two sub-options:  **1.a With notifications of meter issue to submitting and non-submitting party by file format / IX** |
|  |
| |  |  |  | | --- | --- | --- | | **Development / Implementation Costs** | | | | **Element** | **Lower** | **Upper** | | Design | 15,000 GBP | 30,000 GBP | | Delivery | 85,000 GBP | 174,000 GBP | | Customer Contingency @10% | 10,000 GBP | 20,000 GBP | | **Total** | **110,000 GBP** | **224,000 GBP** | |
| **1.b With visibility of SMPs with meter issue flags via DDP** |
| |  |  |  | | --- | --- | --- | | **Development / Implementation Costs** | | | | **Element** | **Lower** | **Upper** | | Design | 12,000 GBP | 26,000 GBP | | Delivery | 70,000 GBP | 148,000 GBP | | Customer Contingency @10% | 8,000 GBP | 17,000 GBP | | **Total** | **92,000 GBP** | **192,000 GBP** |   **Ongoing costs for both options:** |
| |  |  |  | | --- | --- | --- | | **Ongoing Costs** | | | | **Element** | **Lower** | **Upper** | | Service & Operate\* | Tbc | Tbc | | Contracting & Assurance | N/A | N/A | | Other | N/A | N/A | | **Total** | **Tbc** | **Tbc** | |
|  |

\*There may be a small impact to the Operate element of the CDSP service as a result of delivering this change. This will be defined during Detailed Design and agreed as a part of the BER for the change / release.

|  |
| --- |
|  |
| **CDSP Technical Overview** |
|  |
| The CDSP systems impacted by the proposed solution are outlined below with details on how they are affected and what is involved. |
| 1. **CMS**     1. A new Contact Code created within CMS rebuild to allow IGTs/Shippers to log a request to add an exclusion flag to the SMP in UKLINK, to utilise within the must read process.    2. A changed Bulk Contact Logging (BCL) facility to bulk upload the flagging/unflagging of SMPs.    3. For any in-flight must read contacts, the flagging or unflagging of the SMP will result in an update to the must read contact with this information. This aligns to the proposed enhancements to the Must Reads process, as part of the CMS Rebuild project.    4. In-flight must read contacts that have the meter issue flag getting set will not auto close but IGTs can request contact closure.    5. For in-flight must read contacts, the Shipper or IGT will be informed, via updated downloadable Must read list/report, that an ‘exclusion’ flag has been set/unset for an SMP for information, and to avoid unnecessary attempts to procure a read.    6. New API/s to send SMP flag/unflag information to UKLINK.    7. A monthly view of the IGT Closed Must Read contacts, including those which have failed the standard validation window of 25 Supply Point System Business Days (SPSBDs) after the read has been obtained. 2. **UK LINK and SAP Business Warehouse**    1. New API/s to process flag/unflag request from CMS and return a response to CMS.    2. New business rules, as per MOD IGT159V, to exclude/pause SMPs from the monthly must read Notification report.    3. Data export from SAP Business Warehouse to DDP.    4. Option 1a includes new notification to be issued via IX to the submitting and non-submitting parties to report associated SMPs that have had a meter issue flag set 3. **DDP**    1. Data import from UKLINK/SAP Business Warehouse.    2. Addition of new PARR report/s to support MOD IGT159V – to be defined/designed in conjunction with the Performance Assurance Committee (PAC) during the project Detailed Design Phase.    3. New Shipper meter issues report for IGT sites in the Shipper’s portfolio.    4. New SMP details page for IGTs.    5. Changes/adjustments to existing online Must Read Customer dashboards which are already available on DDP. |
|  |

|  |
| --- |
|  |
| **Impacted / Consequential Processes** |
|  |
| The industry processes that are impacted by the proposed solution are outlined below, which could include DSC and non-DSC provided services.  **IGT and Shipper: Must Read process**   1. Manual flagging/unflagging of a meter issue against a SMP. 2. Flagging/unflagging multiple SMPs via a manual bulk upload. 3. Submitting party is able to view meter issue flag status. 4. Non-submitting party is able to view meter issue flag status. 5. Monthly must read Notification report is exclusive of SMPs, as prescribed by MOD IGT159V business rules (e.g., SMP has a meter issue flagged).   **IGT only: Must Read process**   1. A view to the IGT of reads, outside of the standard validation window of 25 SPSBDs after the read has been obtained, which have failed validation. According to MOD IGT159V, “IGTs cannot charge for a read submitted more than 25 SPSBDs after being obtained”. |
|  |
|  |
|  |
| **Perceived Impacts to Industry Parties** |
|  |
| Below provides customers with a steer on potential impacts to industry parties that are not directly linked to DSC. Please note that this is perceived impacts and are not fully known or is an extensive list.  We encourage all industry participants to review the contents within this document and make their own determinations on potential impacts as the CDSP would not have full visibility or understanding of such. |
|  |
| **PAC only: Oversight of SMPs paused from the Must Read process**   1. New report/s available on the PARR, providing oversight into the effects of the implementation of MOD IGT159V. |
|  |
|  |
| **Assumptions** |
|  |
| Below are any assumptions that have been made in the course of carrying out this High-Level Solution Option (HLSO) Impact Assessment. |
|  |
| |  |  |  | | --- | --- | --- | | **Ref** | **Assumption** | **Notes** | | A1 | **CMS system:** Where there is a change of ownership (e.g., SoLR), any in-flight must read contacts will remain in the process and no update made to the contact detail or progression of the contact. | * CMS solution assumption * UKLINK will test for a ‘change of’ event (as prescribed by MOD IGT159V) and exclude/pause such SMPs from showing in the Notification report. | | A2 | **Gas Enquiry System (GES):** There is no requirement to be able to view a meter issue flag, as pertaining to MOD IGT159V, on GES. | * Project assumption. | | A3 | **Ofgem SoLR Appointment Date:** This option will use the CSS Registration process to test for a SoLR actual change of Shipper date, and not an Ofgem SoLR Appointment Date. | * Whilst the Ofgem SoLR Appointment Date is the legal date from which a gaining Shipper acquires a site, it is the CSS Registration process that records the actual date of a site switch in central systems. | | A4 | **Implementation Activities:** There is no requirement for any data migration activity ahead of implementation and new functionality is to be used going forwards | * Should customers require additional support outside of that accounted for within this solution option then this will require additional impact assessment | |
|  |

|  |
| --- |
|  |
| **Dependencies/Dependents** |
|  |
| Below are any dependencies for and against this Solution Option that have been made in the course of carrying out this High-Level Solution Option (HLSO) Impact Assessment. |
|  |
| |  |  |  | | --- | --- | --- | | **Ref** | **Dependency** | **Notes** | | D1 | Delivery of this change is dependent on co-ordination between CMS, UK Link and DDP deliveries. |  | |
|  |

|  |
| --- |
|  |
| **Risks** |
|  |
| Below are any risks that have been identified in the course of carrying out this High Level Solution Option (HLSO) Impact Assessment. |
|  |
| |  |  |  |  | | --- | --- | --- | --- | | **Ref** | **Risk** | **Notes** | **Mitigation** | | R1 | DDP has a set number of annual release windows. If XRN5605 is not able to be delivered inside one such release window, then DDP standalone delivery costs will be higher than DDP standard release window costs (circa 100,000 GBP to 170,000 GBP). | XRN5605 will be competing with other Nov 23 release XRNs. | Give DDP the earliest opportunity to plan for XRN5605, to confirm into their 2023 release schedule. | |
|  |

|  |
| --- |
|  |
| **Governance Approach** |
|  |
| **Service Line amendments (from the original XRN5605 Change Proposal)**  The current must read process is detailed within various Service Lines within Service Area 4 – Meter Read/Asset processing and Service Area 22 - Specific Services.  Service Lines already exist to manage the must read process. **At this stage, it is not anticipated that further changes to those Service Lines will be required.** |
|  |
|  |
| **Delivery Approach** |
|  |
| 1. XRN5605 is proposed to be delivered across all component parts in November 2023 via a scheduled CMS release, a standalone UKLINK release, and a scheduled DDP release (see Risk R1) and subject to the acceptance of any new customer file formats. 2. It is planned for the UKLINK release to coincide with a scheduled release of CMS. 3. It is planned for the UKLINK release to coincide with a scheduled release of DDP. 4. The delivery methodology is planned to be a mixture of Waterfall and Agile techniques. |
|  |
|  |
| **Additional Information** |
| None for this option. |

|  |
| --- |
|  |
|  |
|  |
| **Solution Overview** |
|  |
| Solution Option 2 aims to deliver all customer requirements as per Option 1. |
| **Summary of the solution option being proposed.**  The summary of Solution Option 2 is as per Option 1 however under Option 2, Customers will use newly defined Industry Flows (i.e., new record format and new files) into UKLINK, via the IX to flag/unflag SMPs. |

**2: Option 2 – XRN5605 uses Industry Flows**

|  |
| --- |
|  |
| **Constituency Impact Overview** |
|  |
| Below provides a high-level view of impacts per DSC Customers and industry parties, more details and reasoning for such are outlined in the later sections.  Please note that the below is the view of the CDSP following analysis to date on the solution option being proposed. It is encouraged for representatives to carry out their own assessment and where possible provide feedback if they feel the below is not a true representation of the impacts that would be felt if the proposed solution option were to be progressed with and implemented. |
|  |
| |  |  |  | | --- | --- | --- | | Gauge with solid fill  High | N/A |  | |  |  | | Speedometer Middle with solid fill  Medium | **Shippers**  **Independent Gas Transporters (IGTs)** | |  |  | | Speedometer Low with solid fill  Low | **Performance Assurance Committee (PAC)** | |
|  |

|  |  |
| --- | --- |
|  | |
| **Solution Impact Summary** | |
|  | |
| The below provides a high-level summary of the proposed solution option, additional details for each are provided in subsequent sections. | |
|  | |
| CDSP Impact: | **Medium** |
| Customer Impact: | **Medium** |
| Release Type: | **Standalone** |
| Cost Estimate: | **98,000 GBP to 197,000 GBP** |
| Customer Requirement Coverage: | **100%** |
|  | |

|  |
| --- |
|  |
| **Estimated Cost Breakdown** |
|  |
| Estimated costs provided are indicative and based on high level analysis to date and may be subject to change if the solution moves further through change development. |
|  |
| |  |  |  | | --- | --- | --- | | **Development / Implementation Costs** | | | | **Element** | **Lower** | **Upper** | | Design | 13,000 GBP | 26,000 GBP | | Delivery | 76,000 GBP | 152,000 GBP | | Customer Contingency @10% | 9,000 GBP | 19,000 GBP | | **Total** | **98,000 GBP** | **197,000 GBP** | |
|  |
| |  |  |  | | --- | --- | --- | | **Ongoing Costs** | | | | **Element** | **Lower** | **Upper** | | Service & Operate\* | Tbc | Tbc | | Contracting & Assurance | N/A | N/A | | Other | N/A | N/A | | **Total** | **Tbc** | **Tbc** | |
| \*There may be a small impact to the Operate element of the CDSP service as a result of delivering this change. This will be defined during Detailed Design and agreed as a part of the BER for the change / release. |

|  |
| --- |
|  |
| **CDSP Technical Overview** |
|  |
| The CDSP systems impacted by the proposed solution are outlined below with details on how they are affected and what is involved. |
| 1. **CMS**     1. **CMS is not involved in the receiving direct customer requests to flag/unflag for meter issue.**    2. **No new CMS Contact Code.**    3. **New API/s to receive flag/unflag request from UKLINK.**    4. For any in-flight must read contacts, the flagging or unflagging of the SMP will result in an update to the must read contact with this information. This aligns to the proposed enhancements to the Must Reads process, as part of CMS Rebuild.    5. In-flight must read contacts that have the meter issue flag getting set will not auto close but IGTs can request Contact closure.    6. For in-flight must read contacts, the Shipper or IGT will be informed, via updated downloadable Must read list/report, that an ‘exclusion’ flag has been set/unset for an SMP for information, and to avoid unnecessary attempts to procure a read.    7. A monthly view of the IGT Closed Must Read contacts, including those which have failed the standard validation window of 25 Supply Point System Business Days (SPSBDs) after the read has been obtained. 2. **UK LINK and SAP Business Warehouse**    1. **New industry flow/s for IGTs/Shippers to flag/unflag meter issue status, between Customers and UKLINK.**        1. **New file record format/s.**       2. **Processing new file/record format/s through the CDSP estate**       3. **New response message issued back to customers.**    2. **New API/s to send flag/unflag request to CMS.**    3. New business rules, as per MOD IGT159V, to exclude/pause SMPs from the monthly must read Notification report.    4. Data export from SAP Business Warehouse to DDP. 3. **DDP**    1. Data import from UKLINK/SAP Business Warehouse.    2. Addition of new PARR report/s to support MOD IGT159V – to be defined/designed in conjunction with the Performance Assurance Committee (PAC) during the project Detailed Design Phase.    3. New Shipper meter issues report for IGT sites in the Shipper’s portfolio.    4. New SMP details page for IGTs.    5. Changes/adjustments to existing online Must Read Customer dashboards which are already available on DDP. |
|  |

|  |
| --- |
|  |
| **Impacted / Consequential Processes** |
|  |
| The industry processes that are impacted by the proposed solution are outlined below, which could include DSC and non-DSC provided services.  **IGT and Shipper: Must Read process**   1. **Triggering of a new Industry Flow to flag/unflag a meter issue.** 2. **Receiving a new Industry Flow response to a flag/unflag request.** 3. Submitting party is able to view meter issue flag status. 4. Non-submitting party is able to view meter issue flag status. 5. Monthly must read Notification report is exclusive of SMPs, as prescribed by MOD IGT159V business rules (e.g., SMP has a meter issue flagged).   **IGT only: Must Read process**   1. A view to the IGT of reads, outside of the standard validation window of 25 SPSBDs after the read has been obtained, which have failed validation. According to MOD IGT159V, “IGTs cannot charge for a read submitted more than 25 SPSBDs after being obtained”. |
|  |
|  |
|  |
| **Perceived Impacts to Industry Parties** |
|  |
| Below provides customers with a steer on potential impacts to industry parties that are not directly linked to DSC. Please note that this is perceived impacts and are not fully known or is an extensive list.  We encourage all industry participants to review the contents within this document and make their own determinations on potential impacts as the CDSP would not have full visibility or understanding of such. |
|  |
| **PAC only: Oversight of SMPs paused from the Must Read process**   1. New report/s available on the PARR, providing oversight into the effects of the implementation of MOD IGT159V. |
|  |
|  |
| **Assumptions** |
|  |
| Below are any assumptions that have been made in the course of carrying out this High Level Solution Option (HLSO) Impact Assessment. |
|  |
| |  |  |  | | --- | --- | --- | | **Ref** | **Assumption** | **Notes** | | A1 | **CMS system:** Where there is a change of ownership (e.g., SoLR), any in-flight must read contacts will remain in the process and no update made to the contact detail or progression of the contact. | * CMS solution assumption * UKLINK will test for a ‘change of’ event (as prescribed by MOD IGT159V) and exclude/pause such SMPs from showing in the Notification report. | | A2 | **Gas Enquiry System (GES):** There is no requirement to be able to view a meter issue flag, as pertaining to MOD IGT159V, on GES. | * Project assumption. | | A3 | **Ofgem SoLR Appointment Date:** This option will use the CSS Registration process to test for a SoLR actual change of Shipper date, and not an Ofgem SoLR Appointment Date. | * Whilst the Ofgem SoLR Appointment Date is the legal date from which a gaining Shipper acquires a site, it is the CSS Registration process that records the actual date of a site switch in central systems. | | A4 | **Implementation Activities:** There is no requirement for any data migration activity ahead of implementation and new functionality is to be used going forwards | * Should customers require additional support outside of that accounted for within this solution option then this will require additional impact assessment | |
|  |

|  |
| --- |
|  |
| **Dependencies/Dependents** |
|  |
| Below are any dependencies for and against this Solution Option that have been made in the course of carrying out this High Level Solution Option (HLSO) Impact Assessment. |
|  |
| |  |  |  | | --- | --- | --- | | **Ref** | **Dependency** | **Notes** | | D1 | Delivery of this change is dependent on co-ordination between CMS, UK Link and DDP deliveries. |  | | D2 | The delivery timeline of XRN5605 will be dependant upon the agreed notice period for the introduction of new industry files. | Assumption that customers will require the standard notice period for developing industry flows with the CDSP. | |
|  |

|  |
| --- |
|  |
| **Risks** |
|  |
| Below are any risks that have been identified in the course of carrying out this High Level Solution Option (HLSO) Impact Assessment. |
|  |
| |  |  |  |  | | --- | --- | --- | --- | | **Ref** | **Risk** | **Notes** | **Mitigation** | | R1 | DDP has a set number of annual release windows. If XRN5605 is not able to be delivered inside one such release window, then DDP standalone delivery costs will be higher than DDP standard release window costs (circa 100,000 GBP to 170,000 GBP). | XRN5605 will be competing with other Nov 23 release XRNs. | Give DDP the earliest opportunity to plan for XRN5605, to confirm into their 2023 release schedule. | |
|  |

|  |
| --- |
|  |
| **Governance Approach** |
|  |
| **Service Line amendments (from the original XRN5605 Change Proposal)**  The current must read process is detailed within various Service Lines within Service Area 4 – Meter Read/Asset processing and Service Area 22 - Specific Services.  Service Lines already exist to manage the must read process. At this stage, it is not anticipated that further changes to those Service Lines will be required. |
|  |
|  |
| **Delivery Approach** |
|  |
| 1. In this option, based on the assumption that Customers will require the standard notice period for developing industry flows with the CDSP, XRN5605 could not be delivered in 2023 and would be subject to further planning. 2. It is planned for the UKLINK release to coincide with a scheduled release of CMS. 3. It is planned for the UKLINK release to coincide with a scheduled release of DDP. 4. The delivery methodology is planned to be a mixture of Waterfall and Agile techniques. |
|  |

|  |
| --- |
|  |
| **Additional Information** |
| None for this option. |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **3: Option 3 – XRN5605 uses Industry Flows with SFTP**   |  | | --- | |  | | |  | | --- | | **Solution Overview** | |  | | Solution Option 3 aims to deliver all customer requirements as per Option 1. | | **Summary of the solution option being proposed.**  The summary of Solution Option 3 is as per Option 1 however, under Option 3 customers will use a newly defined sFTP service, (i.e., the CDSP will use the MOVEit tool) into UKLINK to flag/unflag SMPs. | | |  | | |  | | --- | |  | | **Constituency Impact Overview** | |  | | Below provides a high-level view of impacts per DSC Customers and industry parties, more details and reasoning for such are outlined in the later sections.  Please note that the below is the view of the CDSP following analysis to date on the solution option being proposed. It is encouraged for representatives to carry out their own assessment and where possible provide feedback if they feel the below is not a true representation of the impacts that would be felt if the proposed solution option were to be progressed with and implemented. | |  | | |  |  |  | | --- | --- | --- | | Gauge with solid fill  High | **Shippers**  **Independent Gas Transporters (IGTs)** |  | |  |  | | Speedometer Middle with solid fill  Medium | N/A | |  |  | | Speedometer Low with solid fill  Low | **Performance Assurance Committee (PAC)** | | |  | | | |  |  | | --- | --- | |  | | | **Solution Impact Summary** | | |  | | | The below provides a high-level summary of the proposed solution option, additional details for each are provided in subsequent sections. | | |  | | | CDSP Impact: | **Medium** | | Customer Impact: | **Large** | | Release Type: | **Standalone** | | Cost Estimate: | **93,000 GBP to 187,000 GBP** | | Customer Requirement Coverage: | **100%** | |  | |  |  | | --- | |  | | **Estimated Cost Breakdown** | |  | | Estimated costs provided are indicative and based on high level analysis to date and may be subject to change if the solution moves further through change development. | |  | | |  |  |  | | --- | --- | --- | | **Development / Implementation Costs** | | | | **Element** | **Lower** | **Upper** | | Design | 13,000 GBP | 25,000 GBP | | Delivery | 72,000 GBP | 145,000 GBP | | Customer Contingency @ 10% | 8,000 GBP | 17,000 GBP | | **Total** | **93,000 GBP** | **187,000 GBP** | | |  | | |  |  |  | | --- | --- | --- | | **Ongoing Costs** | | | | **Element** | **Lower** | **Upper** | | Service & Operate | Tbc | Tbc | | Contracting & Assurance | N/A | N/A | | Other | N/A | N/A | | **Total** | **Tbc** | **Tbc** | | |  |   \*There may be a small impact to the Operate element of the CDSP service as a result of delivering this change. This will be defined during Detailed Design and agreed as a part of the BER for the change / release.   |  | | --- | |  | | **CDSP Technical Overview** | |  | | The CDSP systems impacted by the proposed solution are outlined below with details on how they are affected and what is involved. | | 1. **CMS**     1. **CMS is not involved in the receiving direct customer requests to flag/unflag for meter issue.**    2. **CMS does not notify relevant parties where a flag is added or removed.**    3. **New API/s to receive flag/unflag request from UKLINK.**    4. For any in-flight must read contacts, the flagging or unflagging of the SMP will result in an update to the must read contact with this information. This aligns to the proposed enhancements to the Must Reads process, as part of CMS Rebuild.    5. In-flight must read contacts that have the meter issue flag getting set will not auto close but IGTs can request Contact closure.    6. For in-flight must read contacts, the Shipper or IGT will be informed, via updated downloadable Must read list/report, that an ‘exclusion’ flag has been set/unset for an SMP for information, and to avoid unnecessary attempts to procure a read.    7. A view to the IGT of reads, outside of the standard validation window of 25 Supply Point System Business Days (SPSBDs) after the read has been obtained, which have failed validation. 2. **UK LINK and SAP Business Warehouse**    1. **New industry flow/s for IGTs/Shippers to flag/unflag meter issue status, between Customers and UKLINK.**        1. **New file record format/s.**    2. **Set-up a new sFTP/MOVEit facility to allow files to be exchanged between the Customer and the CDSP in order to flag/unflag SMP meter issue flags.**       1. **New file validations.**    3. **Process to test and commission A new sFTP/MOVEit service between the CDSP and each party.**    4. New API/s to send flag/unflag request to CMS.    5. New business rules, as per MOD IGT159V, to exclude/pause SMPs from the monthly must read Notification report.    6. Data export from SAP Business Warehouse to DDP.   **Note: Option 3 assumes the creation of a new industry flow between Customer and the CDSP, as does Option 2. The difference between the two options is that Option 2 uses the standard IX transfer mechanism to support the interface, whilst Option 3 uses sFTP.**   1. **DDP**    1. Data import from UKLINK/SAP Business Warehouse.    2. Addition of new PARR report/s to support MOD IGT159V – to be defined/designed in conjunction with the Performance Assurance Committee (PAC) during the project Detailed Design Phase.    3. New Shipper meter issues report for IGT sites in the Shipper’s portfolio.    4. New SMP details page for IGTs.    5. Changes/adjustments to existing online Must Read Customer dashboards which are already available on DDP. | |  |  |  | | --- | |  | | **Impacted / Consequential Processes** | |  | | The industry processes that are impacted by the proposed solution are outlined below, which could include DSC and non-DSC provided services.  **IGT and Shipper: Must Read process**   1. **Using a sFTP/MOVEit facility to request the flag/unflag of a meter issue.** 2. **Receiving a response message for the request sent.** 3. Submitting party is able to view meter issue flag status. 4. Non-submitting party is able to view meter issue flag status. 5. Monthly must read Notification report is exclusive of SMPs, as prescribed by MOD IGT159V business rules (e.g., SMP has a meter issue flagged).   **IGT only: Must Read process**   1. A view to the IGT of reads, outside of the standard validation window of 25 SPSBDs after the read has been obtained, which have failed validation. According to MOD IGT159V, “IGTs cannot charge for a read submitted more than 25 SPSBDs after being obtained”. | |  | |  | |  | | **Perceived Impacts to Industry Parties** | |  | | Below provides customers with a steer on potential impacts to industry parties that are not directly linked to DSC. Please note that this is perceived impacts and are not fully known or is an extensive list.  We encourage all industry participants to review the contents within this document and make their own determinations on potential impacts as the CDSP would not have full visibility or understanding of such. | |  | | **PAC only: Oversight of SMPs paused from the Must Read process**   1. New report/s available on the PARR, providing oversight into the effects of the implementation of MOD IGT159V. | |  | |  | | **Assumptions** | |  | | Below are any assumptions that have been made in the course of carrying out this High Level Solution Option (HLSO) Impact Assessment. | |  | | |  |  |  | | --- | --- | --- | | **Ref** | **Assumption** | **Notes** | | A1 | **CMS system:** Where there is a change of ownership (e.g., SoLR), any in-flight must read contacts will remain in the process and no update made to the contact detail or progression of the contact. | * CMS solution assumption * UKLINK will test for a ‘change of’ event (as prescribed by MOD IGT159V) and exclude/pause such SMPs from showing in the Notification report. | | A2 | **Gas Enquiry System (GES):** There is no requirement to be able to view a meter issue flag, as pertaining to MOD IGT159V, on GES. | * Project assumption. | | A3 | **Ofgem SoLR Appointment Date:** This option will use the CSS Registration process to test for a SoLR actual change of Shipper date, and not an Ofgem SoLR Appointment Date. | * Whilst the Ofgem SoLR Appointment Date is the legal date from which a gaining Shipper acquires a site, it is the CSS Registration process that records the actual date of a site switch in central systems. | | A4 | sFTP: Set-up of new sFTP between a new Customer and the CDSP. | * New entrant/customer sFTP set-up will require a process to test and commission the service. * This may incur a cost as part of the onboarding process | | A5 | **Implementation Activities:** There is no requirement for any data migration activity ahead of implementation and new functionality is to be used going forwards | * Should customers require additional support outside of that accounted for within this solution option then this will require additional impact assessment | | |  |  |  | | --- | |  | | **Dependencies/Dependents** | |  | | Below are any dependencies for and against this Solution Option that have been made in the course of carrying out this High Level Solution Option (HLSO) Impact Assessment. | |  | | |  |  |  | | --- | --- | --- | | **Ref** | **Dependency** | **Notes** | | D1 | UKLINK is anticipated to design/deliver alongside the ‘CMS Rebuild’ project. |  | | D2 | UKLINK is anticipated to design/deliver alongside one of the scheduled DDP releases. |  | | D3 | The delivery timeline of XRN5605 will be dependant upon the agreed notice period for the introduction of new industry files. | Assumption that customers will require the standard notice period for developing industry flows with the CDSP. | | D4 | sFTP: Set-up of new sFTP between customers and the CDSP. | Each Customer’s sFTP set-up will require a test and commission process. | | |  |  |  | | --- | |  | | **Risks** | |  | | Below are any risks that have been identified in the course of carrying out this High Level Solution Option (HLSO) Impact Assessment. | |  | | |  |  |  |  | | --- | --- | --- | --- | | **Ref** | **Risk** | **Notes** | **Mitigation** | | R1 | DDP has a set number of annual release windows. If XRN5605 is not able to be delivered inside one such release window, then DDP standalone delivery costs will be higher than DDP standard release window costs (circa 100,000 GBP to 170,000 GBP). | XRN5605 will be competing with other Nov 23 release XRNs. | Give DDP the earliest opportunity to plan for XRN5605, to confirm into their 2023 release schedule. | | |  |  |  | | --- | |  | | **Governance Approach** | |  | | **Service Line amendments (from the original XRN5605 Change Proposal)**  The current must read process is detailed within various Service Lines within Service Area 4 – Meter Read/Asset processing and Service Area 22 - Specific Services.  Service Lines already exist to manage the must read process. At this stage, it is not anticipated that further changes to those Service Lines will be required. | |  |  |  | | --- | |  | | **Delivery Approach** | |  | | 1. In this option, based on the assumption that Customers will require the standard notice period for developing industry flows with the CDSP, XRN5605 could not be delivered in 2023 and would be subject to further planning. 2. It is planned for the UKLINK release to coincide with a scheduled release of CMS. 3. It is planned for the UKLINK release to coincide with a scheduled release of DDP. 4. The delivery methodology is planned to be a mixture of Waterfall and Agile techniques. | |  |  |  | | --- | |  | | **Additional Information**  None for this option. | |  | | **Appendix 1 - Discounted Solution Options** | | |

|  |
| --- |
| **Solution Overview** |
|  |
| **Solution Option 4 – XRN5605 uses UK LINK Portal** |
|  |
| 1. **CMS**    1. New API/s to process flag/unflag information from UKLINK.    2. For any in-flight must read contacts, the flagging or unflagging of the SMP will result in an update to the must read contact with this information. This aligns to the proposed enhancements to the Must Reads process, as part of the CMS Rebuild project.    3. In-flight must read contacts that have the meter issue flag getting set will not auto close but IGTs can request contact closure.    4. For in-flight must read contacts, the Shipper or IGT will be informed, via updated downloadable Must read list/report, that an ‘exclusion’ flag has been set/unset for an SMP for information, and to avoid unnecessary attempts to procure a read.    5. New API/s to send SMP flag/unflag information to UKLINK.    6. A view to the IGT of reads, outside of the standard validation window of 25 Supply Point System Business Days (SPSBDs) after the read has been obtained, which have failed validation. 2. **UK LINK and SAP Business Warehouse**    1. **New UK LINK Portal screens and access authorisations to allow Customers to flag/unflag/view meter issue status flag.**    2. New business rules, as per MOD IGT159V, to exclude/pause SMPs from the monthly must read Notification report.    3. Data export from SAP Business Warehouse to DDP. 3. **DDP**    1. Data import from UKLINK/SAP Business Warehouse.    2. Addition of new PARR report/s to support MOD IGT159V – to be defined/designed in conjunction with the Performance Assurance Committee (PAC) during the project Detailed Design Phase.    3. Changes/adjustments to existing online Must Read Customer dashboards which are already available on DDP.    4. New Shipper meter issues report for IGT sites in the Shipper’s portfolio.    5. New SMP details page for IGTs. |
|  |
|  |
| **Discounted Justification** |
|  |
| * Use of UK Portal represents a form of redundancy (i.e., application proliferation) where Customers would use CMS for some part of the Must Reads process, whilst using UK Portal for other parts of the Must Reads process. UK Portal will require new changes and features, several of which are already part of Option 1 (use CMS) : * development of new screen/s * assessment of User authorisation/s * assessment of bulk-loading SMP issue flag * training / User work instructions * More opportunity for Customers to see ‘more than one version of the truth’ between UK Portal, CMS and DDP.   **Appendix 2 - Glossary** |
| **Glossary** |
|  |
| |  |  | | --- | --- | | **Term/Acronym** | **Definition** | | DSC | Data Services Contract | | CDSP | Central Data Service Provider | | AMR | Automated Meter Reading | | DCC | Data Communications Company | | UNC | Uniform Network Code | | API | Application Program Interface | | SAP | System Applications and Products in data processing | | REC | Retail Energy Code | | CMS | Contact Management System | | DDP | Data Discovery Platform | | sFTP | Secure File Transfer Protocol | | CSS | Central Switching Service | |
|  |

**Version Control**

|  |
| --- |
|  |
| **Document** |
|  |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **#** | **Date** | **Author** | **Status** | **Update** | | 1.3 | 12 May 23 | Richard Hadfield | Updated |  | | 1.2 | 11 May 23 | Rajiv Patel | Final |  | |
|  |

|  |
| --- |
|  |
| **Template** |
|  |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **#** | **Date** | **Author** | **Status** | **Update** | | 1.0 | 01 Apr 23 | Simon Harris | Live | Baselined HLSO Template. | |  |  |  |  |  | |
|  |