High Level Solution Options Change Pack

# Communication Detail

|  |  |
| --- | --- |
| Comm Reference: | 3087.1 - RT - PO |
| Comm Title: | Creation of a UK Link API to consume daily weather data for Demand Estimation processes |
| Comm Date: | 12/09/2022 |

**Change Representation**

|  |  |
| --- | --- |
| Action Required: | For Approval |
| Close Out Date: | 27/09/2022 |

# Change Detail

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| --- | --- |
| Xoserve Reference Number:  | XRN5472 – Creation of a UK Link API to consume daily weather data for Demand Estimation processes |
| \*ChMC Constituency Impacted: | Distribution Networks, Shippers |
| Change Owner:  | Paul Orsler |
| Background and Context: | See Below |

# Solution Options

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| --- | --- |
| Solution Option Summary: | **Overview of Impacts**This Change Pack has not identified any direct Shipper or Distribution Network technical or operational impacts. Our analysis has solely identified impacts to CDSP systems and processes, which are discrete to the CDSP and are necessary to ensure requirements relating to the ongoing delivery of Demand Estimation services can be satisfied to DSC customers. **Change Background**The current CDSP Weather Data Service Provider has given notice that it will not be able to support the current mechanism (FTP) of delivering daily weather data (forecasts and observations) to UK Link beyond March 2023. The weather data is delivered from the current providers legacy systems which are being phasing out and replaced with APIs. The primary benefit of making this change is to maintain the relationship with the current weather data service provider thereby securing the delivery of the CDSP's UNC Section H / DSC obligations associated with the calculation of a daily CWV. In addition, making this change will move the current process away from an outdated mechanism for transferring/digesting data to a more flexible approach, which will be in line with how many data and technology companies now operate. The change also provides more stable support level arrangements (older legacy systems have less people/expertise available to call upon which can impact the ability of the CDSP in undertaking critical Demand Estimation services).**Solution Overview**To support the desired outcome for customers, a single solution option has been identified. This option seeks to improve the CDSP Demand Estimation capability, ensuring that CDSP continues to be able to undertake key industry activities that require weather data to be made available and used in analytical processes. This solution leverages existing SAP PO and Demand Estimation technology, and supplements this by using Azure functionality to retrieve data via new APIs, allowing the data to be translated and absorbed in Demand Estimation processes. Further detail on the proposed High Level Solution Option is available [**here**](https://umbraco.xoserve.com/media/43622/xrn5472-weather-data-api-hlso-v10.pptx)  |
| Proposed Implementation Date: | 1st April 2023 |
| Xoserve preferred option:(including rationale) | Single Solution Option as defined above |
| DSG preferred solution option:(including rationale) | N/A |
| Consultation closeout: | 27/09/2022 |

# Service Lines and Funding – for each option

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| --- | --- |
| Service Line(s) Impacted - New or existing | Service Area 5 – Demand Estimation Obligations  |
| Level of Impact | Low |
| Impacts on UK Link Manual/ Data Permissions Matrix  | None Identified  |

Industry Response Solution Options Review

**No representations received**

**Section F: Approved Solution Option**

**F1: Approved Solution Option**

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| --- | --- |
| XRN Reference: | XRN5472 |
| Solution Details: | Option 1 - Use Azure Functions to convert and transfer data into UKLink |
| Implementation Date: | TBC |
| Approved By: | Change Management Committee |
| Date of Approval: | 12/10/2022 |

Change Management Committee Outcome

|  |  |  |  |
| --- | --- | --- | --- |
| Change Status: | [x]  Approve | [ ]  Reject | [ ]  Defer |
| Industry Consultation: | [x]  10 Working Days | [ ]  15 Working Days |
| [ ]  20 Working Days | [ ]  Other [Specify Here] |
| DSC Consultation Issue: | [x]  Yes | [ ]  No |
| Date Issued: | 12/09/2022 |
| Comms Ref(s): | 3087.1 - RT - PO |
| Number of Responses: | No Representations received |
| Solution Voting: | [x]  Shipper | Approve |
| [ ]  National Grid Transmission | Please select. |
| [x]  Distribution Network Operator | Approve |
| [ ]  IGT | Please select. |
| Meeting Date: | 12/10/2022 |
| Release Date: | Release: Adhoc tbc |