Detailed Design Change Pack

# Communication Detail

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| Comm Reference: |  3050.2 - RT - PO |
| Comm Title: | XRN5186 Modification 0701: Aligning Capacity booking under the UNC and arrangements set out in relevant NExAs |
| Comm Date: | 13/06/2022 |

**Change Representation**

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| Action Required: | For representation |
| Close Out Date: | 27/06/2022 |

# Change Detail

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| Xoserve Reference Number:  | XRN5186 |
| Change Class: | Functional System |
| \*ChMC Constituency Impacted: | Shipper UsersDistribution Network Operators (DNOs) |
| Change Owner:  | Ellie Rogersellie.rogers@xoserve.com |
| Background and Context: | Modification 0701 was raised to improve visibility where a consumer has entered into a bi-lateral Network Exit Agreement (NExA) with the relevant Distribution Network Operator (DNO) and to link capacity increases with the NExA so that the allowed capacity does not exceed the capacity as agreed in the NExA. XRN5186 was raised to deliver the requirements of Modification 0701. At a high level, XRN5186 seeks to:* Enhance what is held in Data Enquiry Service (DES) for NExA sites. Following implementation of the Retail Energy Code (REC) version 3 DES will be incorporated into the Gas Enquiry Service (GES) which will be managed by the Retail Energy Code Company (RECCo). CDSP will be working with RECCo to ensure that the changes to DES are managed through their process/es.
* Cap the Provisional Maximum Supply Offtake Quantity (PMSOQ) of NExA sites at the NExA value (to prevent the PMSOQ from exceeding the NExA Supply Offtake Quantity (SOQ))
* Ensure any capacity amendments for Class 1 or 2 sites are referred to the relevant DNO
* Ensure approved capacity only comes into effect where it is within the capacity set out within the NExA
* Notify DNOs where the Rolling AQ for Class 3 and 4 sites comes within 90 % of the NExA SOQ

Modification 0701 has been approved by the UNC Panel and is awaiting implementation. XRN5186 is required to put in place the solution to deliver Modification 0701. Please note that XRN5186 does not apply to any NTS or CSEP sites. |

# Change Impact Assessment Dashboard (UK Link)

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| Functional: | Supply Point Administration (SPA) |
| Non-Functional: | None |
| Application: | SAP ISU, SAP BW, SAP BO, SAP PO, AMT, DES |
| User(s): | Shipper Users; DNOs |
| Documentation: | Shipper Rejection Codes; .PMN file |
| Other: | None |

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| Files |
| File | Parent Record | Record | Data Attribute | Hierarchy or FormatAgreed |
| PMN | K70 | K70 | PMSOQ\_CAPPED\_ INDICATOR\_NEXA | Format |

# Change Design Description

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| To ensure that the allowed capacity does not exceed the capacity agreed in the NExA changes have been made to the following processes.**NExAs with an effective date in the future**A NExA can be created or amended, following agreement with the DNO and consumer, that has an effective date in the future. To prevent the allowed capacity from exceeding the capacity in the NExA all processes and validations, mentioned below, will also consider a NExA with a future effective date. There is a maximum period of 6 months, in line with the validity of a Supply Point Offer, for which a future dated NExA can be added to UK Link. **Setting up or Amending an existing NExA**The following validations will take place before a NExA is added or updated in UK Link: 1. The effective date of the NExA is within 6 months
2. The NExA SOQ and Supply Point Hourly Quantity (SHQ) values are valid by ensuring that:
	1. The SOQ is greater than 4 x SHQ
	2. The SOQ is not greater than 24 x SHQ
3. The NExA SHQ and SOQ does not exceed the current SOQ or SHQ
4. Where there is an inflight process the NExA SHQ or SOQ do not exceed the requested SOQ or SHQ. The following in flight processes are considered:
	1. Registration Process (this includes both CSS and Non CSS registration processes)
	2. Change of Class or capacity change requests via the .SPC file
	3. Ratchet process
5. There is not a site takeover from IGT to DNO (partial or full) or DNO to IGT

Where the above conditions are not met the CDSP will not create/update the NExA and will notify the DNO.DNOs will be required to provide the NExA SOQ and SHQ values for all existing NExAs held in UK Link. The above validations will be completed prior to the details being uploaded. Please note, the process to update NExAs centrally was implemented under [XRN5146 - Data Cleanse of NExA information within UK Link and the Data Enquiry Service (DES)](https://www.xoserve.com/change/change-proposals/xrn-5146-data-cleanse-of-nexa-information-within-uk-link-and-the-data-enquiry-service-des/). **Data Enquiry Service (DES)**There is currently a flag held in DES to show when a Supply Meter Point has a NExA however to provide visibility of the capacity allowed by the NExA new additional fields will be added to Portfolio view* NExA Valid From Date: This will be the date that the NExA has come into effect or, in cases where the NExA has been amended, the date the NExA was updated in UK Link
* NExA Valid To Date: This will be the end date of the NExA
* NEXA SOQ: This will be the SOQ stated in the NExA
* NEXA SHQ: This will be the SHQ stated in the NExA

**New Validations**New validations will be added to several processes to ensure that capacity does not exceed the capacity stated in the NExA. The validations will check against any current or future dated NExA (as above a NExA can be held in UK Link with an effective date 6 months in the future).Where the requested capacity exceeds the NExA SOQ or SHQ the request will be rejected. There are two new rejection codes NEX00001 -> Requested DMSOQ is greater than NExA SOQNEX00002 -> Requested DMSHQ is greater than NExA SHQFor completeness where both SOQ and SHQ exceed the NExA values then NEX00001 and NEX00002 will be issued. The Shipper Rejection Codes have been attached below[Shipper Rejection Code](https://umbraco.xoserve.com/media/43347/shipper-rejection-codes-v12fa.xlsx)Please note that the attached version of the Shipper Rejection Codes includes changes to the description of a Rejection Code as part of XRN5091 (Deferral of creation of Class change reads at transfer of ownership).Nomination (.NOM) / Detailed Registration Nomination (.NOM) / Shared Supply Meter Points Nomination (.SNO)The SOQ and SHQ requested through the .NOM file or .SNO file will be validated against the NExA SOQ and SHQ. Where either or both values exceed the NExA the file will be rejected. For Shared Supply Points the sum of the requested SOQ and SHQ together with the existing SOQ and SHQ of all other Supply Meter Points within the Shared Supply will be validated against the NExA values. If the nomination passes validations, including the new validations above, the Nomination will be referred to the DNO. DNOs will assess the referral and respond to the referral following the existing BAU referral process.For completeness there are no changes to the referral process only the triggering of a referral to include Supply Meter Points with a NExA.Confirmation (.CNF) / Confirmation for Shared Supply Meter Points (.CSS)A confirmation received for a Supply Meter Point in Class 1 or Class 2 with a NExA the requested SOQ and SHQ, from the Nomination, will be validated against the NExA SOQ and SHQ. Where either or both values exceed the NExA the file will be rejected. For Shared Supply Points the sum of the requested SOQ and SHQ together with the existing SOQ and SHQ of all other Supply Meter Points within the Shared Supply will be validated against the NExA values. To note – as an offer can be valid for 6 months validations have been added to the confirmation process to ensure no changes have occurred since the Nomination was originally accepted. Base Registration Nomination (.BRN)Settlement details received via the .BRN file, for a Supply Meter Point in Class 1 or Class 2 with a NExA the requested SOQ and SHQ, from the Nomination, will be validated against the NExA SOQ and SHQ. Where either or both values exceed the NExA the file will be rejected. To note – as an offer can be valid for 6 months validations have been added to the Settlement Detail process to ensure no changes have occurred since the Nomination was originally accepted. Base Registration Nomination Association .ASNBefore associating settlement details received via a .BRN file, validation will be added to check that the requested SHQ and/or SOQ accepted as part of the Nomination do not exceed the NExA values. If the requested SHQ and/or SOQ exceed the NExA values these settlement details will not be associated to the registration. If valid settlement details are not available default values will be associated to the registration. Before applying default values, a validation step will be added to check that the default SOQ or SHQ values (only the SOQ will be available and validated where the default Class is Class 4) do not exceed the NExA values. Where the default values exceed the NExA;1. Where the default Class is Class 1 the SHQ and SOQ will be capped at the NExA SOQ and SHQ values
2. Where the default Class is Class 4 the registration will go live with the Non-Daily Metered (NDM) SOQ which exceeds the NExA SOQ. The DNO will be notified through the NDMSOQ report detailed later in this Detailed Design Change Pack.

Capacity Amendments (.SPC)A capacity amendment for a Supply Meter Point with a NExA will be referred to the DNO using the existing referral process. There are no changes to the referral process only the triggering of a referral to include Supply Meter Points with a NExA.If the capacity amendment referral is accepted by the DNO an additional check will be made to ensure the requested SOQ and SHQ values do not exceed the NExA SOQ and SHQ. Where either or both values exceed the NExA value the file will be rejected. Change of Class (.SPC)Where a change in class request to Class 1 or 2, received via the .SPC file, the requested SOQ and SHQ values will be validated against the NExA SOQ and SHQ. Where either or both values exceed the NExA the file will be rejected. **Ratchet Process** When a ratchet has been identified the PMSOQ and Current Year Minimum (CYM) SOQ are calculated. Where there is a NExA present the following steps have been added to ensure the calculated PMSOQ and CYMSOQ do not exceed the NExA SOQ 1. If the calculated PMSOQ is lower than the NExA SOQ no changes are made to the calculated PMSOQ
2. If the calculated PMSOQ is higher than the NExA SOQ, the PMSOQ will be capped at the NExA SOQ
3. If the calculated CYMSOQ is lower than the NExA SOQ no changes are made to the calculated CYMSOQ
4. If the calculated CYMSOQ is higher than the NExA SOQ, the CYMSOQ will be capped at the NExA SOQ

For completeness there are no changes to how a ratchet is identified, how the PMSOQ is calculated, how the CYMSOQ is calculated or how the ratchet charges are issued. To ensure DNOs are aware of when the PMSOQ is capped at the NExA SOQ a new field, PMSOQ\_CAPPED\_INDICATOR\_NEXA, has been added to the .PMN file (Ratchet SOQ Breach File). This indicator will be used when the PMSOQ has been capped at the NExA SOQ (when the calculated PMSOQ value was higher than the NExA SOQ as above).The updated file format is attached:[PMN\_Ratchet\_PMSOQ\_Breach\_File(.PMN)](https://umbraco.xoserve.com/media/43349/pmn_ratchet_pmsoq_breach_file-pmn-v2fa.pdf)**Reporting** There is reporting required for DNO’s which will notify them when activity has taken place on a Supply Meter Point with a NExA to allow them to assess if the NExA requires any amendments. These reports will be issued by email when the activity occurs.The reports will be generated in UK Link and sent to DNOs via email using password protected attachments. The flow of the reports will be SAP ISU -> SAP BW -> SAP BO -> SAP PO. The passwords that will be used will be Castle Codes which are already held by CDSP. CDSP will be reaching out to the DNOs for the best email id where the reports will be sent. If the email id is not obtained, the reports will be sent to the DSC Contract or Change Manager.NDMSOQ reportAs NExAs can be present for Supply Meter Points in Class 3 or Class 4 a report will be issued to the DNO when the NDMSOQ meets or exceeds 90% of the current NExA SOQ. Change of Class reportA report will be issued to the DNO when a change of Class occurs from Class 3 or Class 4 to Class 1 or Class 2;1. following a change of Class request using the .SPC file
2. following registration where a nomination has not been received (and therefore not referred to the DNO). For completeness this includes
	1. CSS registrations where there is a change of Shipper, a change of Supplier, a change of both Shipper and Supplier or where there are no changes to registered parties
	2. Non CSS registrations
	3. Initial registrations (Greenfield and Brownfield sites)

 For awareness there will be no report issued where there is a change of Class between Classes 1 and 2 or Classes 3 and 4. Where the change of Class is from Classes 1 or 2 to Classes 3 or 4 DNOs will not be notified either. **NExA portfolio** An ad hoc report can be requested by a DNO or Shipper to obtain the NExA details for all Supply Meter Points in their ownership. Please note that for Shippers any future dated NExA’s will be omitted from the report to ensure they only receive details of NExAs that are within their ownership.  |

# Associated Changes

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| Associated Change(s) and Title(s): | None |

# DSG

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| Target DSG discussion date: | 19/04/2022 |
| Any further information: | To discuss any comments provided from the Detailed Design Change Pack representations |

# Implementation

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| Target Release: | TBC |
| Status: | For Approval |

**Industry Response Detailed Design Review**

**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: | Wales & West Utilities |
| Name: | Richard Pomroy |
| Email: | Richard.pomroy@wwutilities.co.uk |
| Telephone: | 07812973337 |
| Representation Status: | Publish |
| Representation Publication: | Publish |
| Representation Comments: | WWU supports this change and have no comments |
| Confirm Target Release Date? | Yes | «h1\_userDataAlternative» |

**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

**Change Management Committee Outcome**

**A9: ChMC Recommendation – Detailed Design**

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| 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: | 13/06/2022 |
| Comms Ref(s): | 3050.2 - RT - PO |
| Number of Responses: | 1 |
| Solution Voting: | [ ]  Shipper | Please select. |
| [ ]  National Grid Transmission | Please select. |
| [x]  Distribution Network Operator | Approve |
| [ ]  IGT | Please select. |
| Meeting Date: | 13/07/2022 |
| Release Date: | June 23 |

Please send the completed representation response to uklink@xoserve.com

Version Control

# Document

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| --- | --- | --- | --- | --- |
| Version | Status | Date | Author(s) | Remarks |
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