

DSC Change Proposal Document

Customers to fill out all of the information in the sections coloured
 Xoserve to fill out all of the information in the sections coloured

A1: General Details

| | | | |
|---------------------------------|--|--|---|
| Change Reference: | XRN 5142 | | |
| Change Title: | New Allowable Values for DCC Service Flag in DXI File From DCC | | |
| Date Raised: | 13/03/2020 | | |
| Sponsor Representative Details: | Organisation: | Northern Gas Networks | |
| | Name: | Helen Chandler | |
| | Email: | HChandler@northerngas.co.uk | |
| | Telephone: | 07580 704 123 | |
| Xoserve Representative Details: | Name: | Emma Smith | |
| | Email: | Emma.smith@xoserve.com | |
| | Telephone: | | |
| | Business Owner: | | |
| Change Status: | <input type="checkbox"/> Proposal | <input type="checkbox"/> With DSG | <input type="checkbox"/> Out for Review |
| | <input type="checkbox"/> Voting | <input checked="" type="checkbox"/> Approved | <input type="checkbox"/> Rejected |

A2: Impacted Parties

| | | |
|---------------------|--|--|
| Customer Class(es): | <input type="checkbox"/> Shipper | <input type="checkbox"/> Distribution Network Operator |
| | <input type="checkbox"/> NG Transmission | <input type="checkbox"/> IGT |
| | <input type="checkbox"/> All | <input checked="" type="checkbox"/> Other (DCC, CDSP) |

A3: Proposer Requirements / Final (redlined) Change

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|--------------------|--|
| Problem Statement: | <p>The allowable values for the 'DCC Service Flag' data item in the DXI File Format, E46 record, need to be updated to be in line with those proposed by SEC MP077 'DCC Service Flagging'. The new DCC Service Flag states should align to what is written in the SEC and allow Users to tell the difference between Devices on a Smart Metering System (SMS) that are Active, installed but not commissioned or decommissioned.</p> <p>The SEC proposal is seeking to remove the allowable values of "S" - Suspended and "W" – Withdrawn and replace them with values of "N" – Non-Active and "I" – InstalledNotCommissioned.</p> |
|--------------------|--|

| | | | | | | | | | | | | | | |
|---|---|---------------------------------|--------|--|--|--|---|--------|---------------|---------------------------------|---------------|----------------------|--|--------------------------|
| | Field Name | Optionalit y | Type | Length | Description | | | | | | | | | |
| | Transaction Type | Mandatory | Text | 3 | Value: E46 | | | | | | | | | |
| | Outcome Code | Mandatory | Text | 2 | Details whether the request has been accepted or rejected. AC – Accepted RJ – Rejected. | | | | | | | | | |
| | Meter Point Reference | Mandatory | Number | 10 | | | | | | | | | | |
| | DCC Service Flag | Mandatory | Text | 1 | Service flag provided by the DCC. The allowable values are: <table><tr><td>A</td><td>Active</td></tr><tr><td>SN</td><td>SuspendedNon-Active</td></tr><tr><td>WI</td><td>Withdrawn</td></tr><tr><td></td><td>InstalledNotCommissioned</td></tr></table> | | A | Active | SN | Suspended Non-Active | WI | Withdrawn | | InstalledNotCommissioned |
| | A | Active | | | | | | | | | | | | |
| | SN | Suspended Non-Active | | | | | | | | | | | | |
| | WI | Withdrawn | | | | | | | | | | | | |
| | InstalledNotCommissioned | | | | | | | | | | | | | |
| DCC Service Effective From Date | Mandatory | Date | 8 | The date the DCC Service Flag (provided above) is effective from. Format : YYYYMMDD | | | | | | | | | | |
| SEC MP077 is currently out for Refinement (Workgroup) Consultation, and is not yet an approved modification; however, we do not foresee any reason this will not be approved. The proposal is currently seeking a June 2021 implementation. | | | | | | | | | | | | | | |
| Proposed Release: | June 2021, or the closest available release to MP077 implementation | | | | | | | | | | | | | |
| Proposed Consultation Period: | <input type="checkbox"/> 10 Working Days | | | <input type="checkbox"/> 15 Working Days | | | | | | | | | | |
| | <input type="checkbox"/> 20 Working Days | | | <input type="checkbox"/> Other [Specify Here] | | | | | | | | | | |

A4: Benefits and Justification

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|-----------------------|---|
| Benefit Description: | The DXI File, E46 record, will not be rejected due to different allowable values in the DCC Service Flag field and the information provided will be more accurate regarding the status of an installed Smart Meter. |
| | <i>What, if any, are the tangible benefits of introducing this change? What, if any, are the intangible benefits of introducing this change?</i> |
| Benefit Realisation: | Upon receipt of the first DXI file from the DCC post implementation |
| | <i>When are the benefits of the change likely to be realised?</i> |
| Benefit Dependencies: | SEC Change Board approval of MP077 |
| | <i>Please detail any dependencies that would be outside the scope of the change, this could be reliance on another delivery, reliance on some other event that the projects has not got direct control of.</i> |

A5: Final Delivery Sub-Group (DSG) Recommendations – Removed

(see Section C for DSG recommendations)

A6: Service Lines and Funding

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|--|--|--------------------|---------------------------|
| Service Line(s) Impacted - New or existing | Service Area 16: GT and IGT Non Code Direct Service | | |
| Level of Impact | Major/ Minor/ Unclear/ None | | |
| If None please give justification | | | |
| Impacts on UK Link Manual/ Data Permissions Matrix | | | |
| Level of Impact | Major/ Minor/ Unclear/ None | | |
| If None please give justification | | | |
| Funding Classes : | Customer Classes/ Funding | Delivery of Change | On-going Budget Amendment |
| | <input type="checkbox"/> Shipper | XX % | XX % |
| | <input type="checkbox"/> National Grid Transmission | XX % | XX % |
| | <input type="checkbox"/> Distribution Network Operator | XX % | XX % |
| | <input type="checkbox"/> IGT | XX % | XX % |
| | <input type="checkbox"/> Other <please specify> | XX % | XX % |
| ROM or funding details: | | | |
| Funding Comments: | | | |

A7: ChMC Recommendation

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|----------------|---|---------------------------------|---|
| Change Status: | <input checked="" type="checkbox"/> Approve | <input type="checkbox"/> Reject | <input checked="" type="checkbox"/> Defer |
|----------------|---|---------------------------------|---|

| | | |
|-------------------------|------------------------------|--|
| DSC Consultation Issue: | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
|-------------------------|------------------------------|--|

A8: DSC Voting Outcome – Solution Review

| | | |
|------------------------|---|---|
| Industry Consultation: | <input checked="" type="checkbox"/> 10 Working Days | <input type="checkbox"/> 15 Working Days |
| | <input type="checkbox"/> 20 Working Days | <input type="checkbox"/> Other [Specify Here] |
| Date Issued: | 17/08/2020 | |
| Comms Ref(s): | 2654.2 – KL – PO | |

| | | | |
|----------------------|---|------------------------------|--|
| Number of Responses: | 2 approval responses | | |
| Solution Voting: | <input checked="" type="checkbox"/> Shipper | Approve | |
| | <input type="checkbox"/> National Grid Transmission | Please select. | |
| | <input checked="" type="checkbox"/> Distribution Network Operator | Defer | |
| | <input checked="" type="checkbox"/> IGT | Defer | |
| Meeting Date: | 09/09/2020 | | |
| Release Date: | Release: TBC | | |
| Overall Outcome: | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes | This was pulled from June 21 Release and will be brought back to ChMC once SEC MOD approved. |

A8: ChMC Recommendation – Detailed Design

| | | | |
|-------------------------|---|---|--------------------------------|
| Change Status: | <input checked="" type="checkbox"/> Approve | <input type="checkbox"/> Reject | <input type="checkbox"/> Defer |
| Industry Consultation: | <input checked="" type="checkbox"/> 10 Working Days | <input type="checkbox"/> 15 Working Days | |
| | <input type="checkbox"/> 20 Working Days | <input type="checkbox"/> Other [Specify Here] | |
| DSC Consultation Issue: | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Date Issued: | 15/03/2021 | | |
| Comms Ref(s): | 2788.5 - MT - PO | | |
| Number of Responses: | No responses received | | |
| Solution Voting: | <input checked="" type="checkbox"/> Shipper | Approve | |
| | <input type="checkbox"/> National Grid Transmission | Please select. | |
| | <input checked="" type="checkbox"/> Distribution Network Operator | Approve | |
| | <input checked="" type="checkbox"/> IGT | Approve | |
| Meeting Date: | 07/04/2021 | | |
| Release Date: | Release: November 21 | | |

Section D: High Level Solution Options

D1: Solution Options

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| <p>Solution Option Summary:</p> | <p><u>Overview</u></p> <p>As part of Modification proposal MP077 of the Smart Energy Code, energy suppliers have identified a need to update the current allowable DCC service flag values in both gas and electricity central systems.</p> <p>The allowable values for the 'DCC Service Flag' data item in the DXI File Format, E46 record, need to be updated to be in line with the proposal. In addition, changes will need to be made to UK Link Systems to ensure all downstream processes that currently utilise the existing DCC service flag values are able to reflect the new allowable values proposed under the SEC modification.</p> <p>The SEC proposal is seeking to remove the allowable values of "S" - Suspended and "W" – Withdrawn and replace them with values of "N" – Non-Active and "I" – InstalledNotCommissioned.</p> <p>Further information on the SEC modification proposal can be found here</p> <p><u>Change Solution Overview:</u></p> <p>Xoserve have identified a solution option that will enable the new allowable DCC service flag values to be accepted in to the UK Link systems. The solution option will also include a data preparation and cleansing activity in readiness for the new values to take effect.</p> <p>For more information on the process and system impacts that have been identified, please see the High Level Solution Option (HLSO) here.</p> |
| <p>Xoserve preferred option: (including rationale)</p> | <p>Xoserve have identified 1 solution option to deliver the requirements and will support implementation of this option subject to SEC Panel approval.</p> |
| <p>DSG preferred solution option: (including rationale)</p> | <p>TBC – HLSO will be discussed at DSG 24th August 2020</p> |
| <p>Consultation closeout:</p> | <p>31/08/2020</p> |

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| Impact on Service Line(s) and funding (A6) for each Solution Option: | <p>Service Area 16: Provision of Supply Point Information Services and Other Services Required to be Provided Under Condition of the GT Licence.</p> <ul style="list-style-type: none">- ASGT NC SA16 – 14- ASiGT NC SA16-07 |
|--|---|

Section E: Industry Response

Solution Options Review

E1: Organisation's preferred solution option

| | | |
|---|--|--------------------------------|
| User Contact Details: | Organisation: | EDF |
| | Name: | Eleanor Laurence |
| | Email: | eleanor.laurence@edfenergy.com |
| | Telephone: | 07875117771 |
| Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc. | We fully support this change driven from the SEC solution and just want to note that go-live dates for both elec & gas should be aligned so that data flows through from DCC to parties via CDSP freely and accurately | |
| Implementation Date: | Approve | |
| Xoserve preferred solution option: | Approve | |
| DSG preferred solution option: | Approve | |
| Publication of consultation response: | N/A | |

E2: Xoserve's Response

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|---|---|
| Xoserve Response to Organisations Comments: | Thank you for your representation. This will be fed into the Change Management Committee meeting for approval |
|---|---|

E1: Organisation's preferred solution option

| | | |
|---|---|-----------------------------|
| User Contact Details: | Organisation: | Northern Gas Networks |
| | Name: | Helen Chandler |
| | Email: | hchandler@northerngas.co.uk |
| | Telephone: | 07580704123 |
| Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc. | <p>As this proposal is still with SEC can I please question the timing of this change?</p> <p>Also, we understand that should this be implemented there will be changes made to the UK Link system. However, as this is a short-term solution with no long-term benefit to the DNs we believe that the costs for this change should be shared across parties.</p> | |

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| | |
| Implementation Date: | Approve |
| Xoserve preferred solution option: | Approve |
| DSG preferred solution option: | Approve |
| Publication of consultation response: | N/A |

E2: Xoserve' s Response

| | |
|---|---|
| Xoserve Response to Organisations Comments: | Thank you for your representation. This will be fed into the Change Management Committee meeting for approval |
|---|---|

Section G: Change Pack

G1: Communication Detail

| | |
|-----------------|--|
| Comm Reference: | 2788.5 - MT - PO |
| Comm Title: | XRN5142 - New Allowable Values for DCC Service Flag in DXI File From DCC – Detailed Design Change Pack |
| Comm Date: | 15/03/2021 |

G2: Change Representation

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|------------------|--------------------|
| Action Required: | For representation |
| Close Out Date: | 29/03/2021 |

G3: Change Detail

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|-----------------------------|---|
| Xoserve Reference Number: | XRN5142 |
| Change Class: | Functional System |
| ChMC Constituency Impacted: | Shipper Class A; Shipper Class B; Shipper Class C; DNs and IGTs |
| Change Owner: | Paul Orsler Customer Change Manager paul.orsler@xoserve.com 0121 229 2696 |
| Background and Context: | <p>A Modification MP077, to the Smart Energy Code (SEC), has been raised as Suppliers identified a need to update the current allowable Data Communications Company (DCC) Service Flag values in both gas and electricity central systems.</p> <p>The allowable values for the 'DCC Service Flag' data item in the .DXI File Format, E45 record and .DXR File Format, E46 record need to be updated to be in line with the proposal. In addition, changes will need to be made to UK Link Systems to ensure all downstream processes that utilise the existing DCC Service Flag values are able to reflect the new allowable values proposed under the SEC modification.</p> <p>The SEC proposal is seeking to remove the allowable values of 'S' - Suspended and 'W' – Withdrawn and introduce new values of 'N' – Non-Active and 'I' – Installed Not Commissioned.</p> <p>For the avoidance of doubt the DCC Service Flag of 'A' – Active will remain.</p> <p>The SEC modification was approved in January 2021 for implementation in November 2021. (Link to SEC Modification MP077) - for awareness, an equivalent change will be made to the</p> |

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| | Data Transfer Catalogue (administered under the Master Registration Agreement) to reflect the changes in values that are required to align electricity industry Codes. |
|--|--|

G4: Change Impact Assessment Dashboard (UK Link)

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|-----------------|--|
| Functional: | Supply Point Administration |
| Non-Functional: | Daily and Quarterly Delta files to IGTs |
| Application: | SAP ISU, SAP BW and AMT Marketflow |
| User(s): | Shipper Class A; Shipper Class B; Shipper Class C and IGTs |
| Documentation: | None |
| Other: | None |

| Files | | | | |
|---|---------------|--------|----------------------|----------------------------|
| File | Parent Record | Record | Data Attribute | Hierarchy or Format Agreed |
| CFR CRS NMR NRF SNR TRF TRS | S75 | S98 | DCC_SERVICE _FLAG | Format |
| MRI PAC | U06 | S98 | DCC_SERVICE _FLAG | Format |
| DXI | E45 | E45 | DCC_SERVICE _FLAG | Format |
| DXR | E46 | E46 | DCC_SERVICE _FLAG | Format |
| IDL | IDL | B43 | DCC_SERVICE _FLAG | Format |
| IQL | IQL | B43 | DCC_SERVICE _FLAG | Format |

G5: Change Design Description

OVERVIEW

The SEC Modification MP077 will remove the current DCC Service Flag values 'S' – Suspended and 'W' – Withdrawn. Two new values will be introduced 'I' – Installed Not Commissioned and 'N' – Non-Active. The DCC Service Flag 'A' – Active will remain unchanged.

For the avoidance of doubt, the DCC identifies which Service Flag is applicable to each Supply Meter Point. The CDSP does not apply any validation logic (except to validate that the allowable value is either 'A', 'N', or 'I') to the Service Flag and simply stores and shares the Service Flag value it is provided with by the DCC.

ENDURING PROCESS

There are no changes to how the DCC Service Flag is stored in UK Link nor are there any changes to existing processes that reflect this data, however, the following processes and files will be updated to allow the new values to be recorded and shared, in line with existing industry practices.

When a DCC Service Flag is set or amended a notification is not issued through any reporting / dashboards you receive / have access to. Any reports / dashboards will be updated to include the new values, 'I' and 'N', when they have been set by the DCC.

DCC Files

The .DXI (DCC Status Update) file, sent from the DCC to the CDSP, will contain one of the following DCC Service Flags within the E45 record

- 'A' – Active
- 'I' – Installed Not Commissioned
- 'N' – Non-Active

AMT Marketflow and UK Link will be updated to allow these new values to be accepted.

The .DXR (DCC Status Update Response) file is issued, by the CDSP to the DCC, to either accept or reject the .DXI transaction. The E46 record includes the DCC Service Flag provided in the inbound file and will be updated, in AMT Marketflow and UK Link, to allow the new values to be populated.

Following implementation of this change if a .DXI file is issued, by the DCC, with a DCC Service Flag value of 'S' or 'W' the record will be rejected with the existing rejection code DCC00001 - DCC Service Flag value not recognised.

The amended records, E45 and E46, have been attached for reference:

- [E45](#)
- [E46](#)

Data Enquiry Screen (DES)

The DCC Service Flag will continue to be shown in the Meter Asset Data screen. When a DCC Service Flag is set or updated, following an accepted .DXI file, the relevant value ('A', 'I' or 'N') will be shown.

Shipper Files

The S98 (Smart Data) record will be updated, via AMT Marketflow, to allow the new values to be populated. The S98 record is included the below files;

- .CFR - Confirmation Response file
- .CRS - SSMP Confirmation Response file
- .MRI - Meter Reading and Access Instructions file
- .NMR - Nomination Response file
- .NRF - Nomination Referral Response file
- .PAC - Pre-Transfer Asset Changes file
- .SNR - SSMP Nomination Response file
- .TRF - Supply Meter Point Ownership Notification file
- .TRS - SSMP Transfer of Ownership Notification file

There are no changes being made as to when the S98 is populated in these files. The S98 record is populated based on the Meter Mechanism Code and Smart Meter System Operator (SMSO).

Shippers will need to be able to accept the new values ('I' and 'N') that are issued in these files to prevent transactions and the associated updates from being processed in their systems.

The amended S98 file record can be found [here](#) for reference.

The .CRS file, .SNR file and .TRS file each contain the S98 record. The file formats, with the updated S98 records, have also been attached for reference:

- [.CRS](#)
- [.SNR](#)
- [.TRS](#)

IGT Files

The B43 (MPO Updates to IGT) record will be updated, via AMT Marketflow for the .IDL file and SAP BW for the .IQL file, to allow the new values to be issued.

When a DCC Service Flag is set or amended, following an accepted .DXI file, an update will be included in the daily .IDL File.

IGTs will need to be able to accept the new values ('I' and 'N') that are issued in these files to prevent transactions and the associated updates from being processed in their systems.

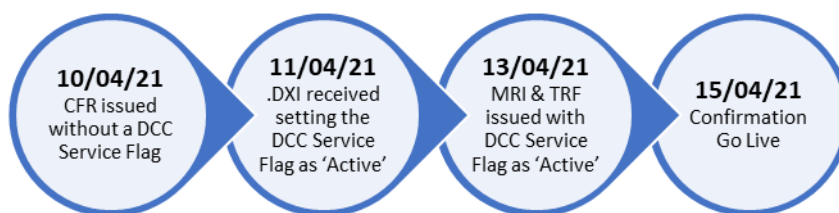
The file formats have been attached with the amended B43 record for reference:

- [IDL](#)
- [IQL](#)

Shipper Transfer Scenario

Please be aware that if the DCC Service Flag is set or amended after we have issued the .CFR file and before the .TRF and .MRI files are issued the latest DCC Service Flag, provided in the .TRF and .MRI files, will be different than the DCC Service Flag provided in the .CFR file.

An example is shown below



There are no changes to this process, this can occur currently and has been highlighted for awareness only.

UPDATE OF EXISTING DCC FLAGS

As part of the SEC Modification MP077 the DCC will be assessing their portfolio and updating any DCC Service Flags currently set to 'A', 'S' or 'W' where appropriate. There are circa. 4million Supply Meter Points with a 'DCC Service Flag' of 'A' held in UK Link which will be assessed and potentially could be updated by the DCC.

For the avoidance of doubt there are currently no Supply Meter Points with a DCC Service Flag of 'S' or 'W' held in UK Link.

Any Supply Meter Points that has their DCC Service Flag updated as part of this activity will be updated in UK Link. The amended value will be shown in the Data Enquiry Screen (DES) and an update will be included in the .IDL (Daily Delta file) issued to IGTs.

No notification will be issued through any reporting / dashboards you receive / have access to however these will be updated to include the new values, 'I' and 'N', when they have been set.

Potential disparity between the DCC Service Flag held in UK Link

Due to the potentially high volumes of updates required to existing DCC Service Flags there may be a disparity between the DCC Service Flag held in UK Link and the DCC Service Flag held by the DCC whilst the updates are being processed in UK Link. The CDSP will be working with the DCC to manage this activity and limit any disparity created.

Must Reads

Following the implementation of XRN5036 - Updates to must read process ([Link to XRN5036 Change Proposal](#)), Must Read Contacts, in CMS, are not generated for DN's where the site meets one of the following criteria

- 1) A mechanism code of NS, S1 or S2
- 2) An AMR device indicator
- 3) An DCC Service Flag of 'active'

Any Supply Meter Points, that do not meet any of the other criteria and have their DCC Service Flag changed from 'Active' to 'Installed Not Commissioned' or 'Non-Active' will no longer be excluded from having a Must Read Contact raised.

IGT's were not included in the change (XRN5036) and therefore there will be no change to the generation of Must Read Contacts.

Pre notes remain unchanged and are still issued to Shippers when the Supply Meter Points meets the Must Read criteria.

For awareness, GT's may experience an increase in their Must Read Contacts following this activity.

Shipper Transfer Scenario

As with the current solution, please be aware that if the DCC Service Flag is set or amended after we have issued the .CFR file and before the .TRF and .MRI files are issued the latest DCC Service Flag, provided in the .TRF and .MRI files, will be different than the DCC Service Flag provided in the .CFR file.

There are no changes to this process, this can occur currently and has been highlighted for awareness only.

G6: Associated Changes

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

G7: DSG

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|-----------------------------|---|
| Target DSG discussion date: | 22 nd March 2021 |
| Any further information: | To discuss any comments from change pack reps |

G8: Implementation

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|-----------------|---------------|
| Target Release: | November 2021 |
| Status: | Approved |

Please see the following page for representation comments template; responses to uklink@xserve.com

Section G: Change Pack

G1: Communication Detail

| | |
|-----------------|--|
| Comm Reference: | 2859.4 - MT - PO |
| Comm Title: | XRN5142 - New Allowable Values for DCC Service Flag in DXI File From DCC – Detailed Design |
| Comm Date: | 12/07/2021 |

G2: Change Representation

| | |
|------------------|-----------------|
| Action Required: | For Information |
|------------------|-----------------|

| | |
|-----------------|------------|
| Close Out Date: | 26/07/2021 |
|-----------------|------------|

G3: Change Detail

| | |
|-----------------------------|---|
| Xoserve Reference Number: | XRN5142 |
| Change Class: | Functional System |
| ChMC Constituency Impacted: | Shipper Class A; Shipper Class B; Shipper Class C; DNs and IGTs |
| Change Owner: | Paul Orsler Customer Change Manager paul.orsler@xoserve.com 0121 229 2696 |
| Background and Context: | <p>Please Note: This is a revision of the Detail Design Change Pack that was issued in March 2021 (2788.5 – MT – PO).</p> <p>The changes within this Change Pack relate to the CRS, SNR and TRS File Formats which were updated as part of the XRN5341 Change Pack (2827.4–RT–PO) that was approved at the June 2021 Change Management meeting.</p> <p>The changes to these 3 File Formats have been to include the previously approved File Format updates for this change onto the version of the File Format updated as part of Change Pack 2827.4 – RT–PO. No other changes have been made to these File Formats.</p> <p>All changes from the previous version of the detailed design have been highlighted in green. All other details remain unchanged but have been retained for your information.</p> <p>This revision is for information only and, therefore, we are not seeking representations for discussion at ChMC in August 2021, however, please submit any questions or comments through the normal channels.</p> <p>A Modification MP077, to the Smart Energy Code (SEC), has been raised as Suppliers identified a need to update the current allowable Data Communications Company (DCC) Service Flag values in both gas and electricity central systems.</p> <p>The allowable values for the 'DCC Service Flag' data item in the .DXI File Format, E45 record and .DXR File Format, E46 record need to be updated to be in line with the proposal. In addition, changes will need to be made to UK Link Systems to ensure all downstream processes that utilise the existing DCC Service Flag values are able to reflect the new allowable values proposed under the SEC modification.</p> <p>The SEC proposal is seeking to remove the allowable values of 'S' - Suspended and 'W' – Withdrawn and introduce new values of 'N' – Non-Active and 'I' – Installed Not Commissioned.</p> <p>For the avoidance of doubt the DCC Service Flag of 'A' – Active will remain.</p> |

| | |
|--|---|
| | <p>The SEC modification was approved in January 2021 for implementation in November 2021. (Link to SEC Modification MP077) - for awareness, an equivalent change will be made to the Data Transfer Catalogue (administered under the Master Registration Agreement) to reflect the changes in values that are required to align electricity industry Codes.</p> |
|--|---|

G4: Change Impact Assessment Dashboard (UK Link)

| | |
|-----------------|--|
| Functional: | Supply Point Administration |
| Non-Functional: | Daily and Quarterly Delta files to IGTs |
| Application: | SAP ISU, SAP BW and AMT Marketflow |
| User(s): | Shipper Class A; Shipper Class B; Shipper Class C and IGTs |
| Documentation: | None |
| Other: | None |

| Files | | | | |
|---|---------------|--------|----------------------|----------------------------|
| File | Parent Record | Record | Data Attribute | Hierarchy or Format Agreed |
| CFR CRS NMR NRF SNR TRF TRS | S75 | S98 | DCC_SERVICE _FLAG | Format |
| MRI PAC | U06 N90 | S98 | DCC_SERVICE _FLAG | Format |
| DXI | E45 | E45 | DCC_SERVICE _FLAG | Format |
| DXR | E46 | E46 | DCC_SERVICE _FLAG | Format |
| IDL | IDL | B43 | DCC_SERVICE _FLAG | Format |
| IQL | IQL | B43 | DCC_SERVICE _FLAG | Format |

G5: Change Design Description

OVERVIEW

The SEC Modification MP077 will remove the current DCC Service Flag values 'S' – Suspended and 'W' – Withdrawn. Two new values will be introduced 'I' – Installed Not Commissioned and 'N' – Non-Active. The DCC Service Flag 'A' – Active will remain unchanged.

For the avoidance of doubt, the DCC identifies which Service Flag is applicable to each Supply Meter Point. The CDSP does not apply any validation logic (except to validate that the allowable value is either 'A', 'N', or 'I') to the Service Flag and simply stores and shares the Service Flag value it is provided with by the DCC.

ENDURING PROCESS

There are no changes to how the DCC Service Flag is stored in UK Link nor are there any changes to existing processes that reflect this data, however, the following processes and files will be updated to allow the new values to be recorded and shared, in line with existing industry practices.

When a DCC Service Flag is set or amended a notification is not issued through any reporting / dashboards you receive / have access to. Any reports / dashboards will be updated to include the new values, 'I' and 'N', when they have been set by the DCC.

DCC Files

The .DXI (DCC Status Update) file, sent from the DCC to the CDSP, will contain one of the following DCC Service Flags within the E45 record

- 'A' – Active
- 'I' – Installed Not Commissioned
- 'N' – Non-Active

AMT Marketflow and UK Link will be updated to allow these new values to be accepted.

The .DXR (DCC Status Update Response) file is issued, by the CDSP to the DCC, to either accept or reject the .DXI transaction. The E46 record includes the DCC Service Flag provided in the inbound file and will be updated, in AMT Marketflow and UK Link, to allow the new values to be populated.

Following implementation of this change if a .DXI file is issued, by the DCC, with a DCC Service Flag value of 'S' or 'W' the record will be rejected with the existing rejection code DCC00001 - DCC Service Flag value not recognised.

The amended records, E45 and E46, have been attached for reference.

- [E45](#)
- [E46](#)

Data Enquiry Screen (DES)

The DCC Service Flag will continue to be shown in the Meter Asset Data screen. When a DCC Service Flag is set or updated, following an accepted .DXI file, the relevant value ('A', 'I' or 'N') will be shown.

Shipper Files

The S98 (Smart Data) record will be updated, via AMT Marketflow, to allow the new values to be populated. The S98 record is included the below files;

- .CFR - Confirmation Response file
- .CRS - SSMP Confirmation Response file
- .MRI - Meter Reading and Access Instructions file
- .NMR - Nomination Response file
- .NRF - Nomination Referral Response file
- .PAC - Pre-Transfer Asset Changes file
- .SNR - SSMP Nomination Response file
- .TRF - Supply Meter Point Ownership Notification file
- .TRS - SSMP Transfer of Ownership Notification file

There are no changes being made as to when the S98 is populated in these files. The S98 record is populated based on the Meter Mechanism Code and Smart Meter System Operator (SMSO).

Shippers will need to be able to accept the new values ('I' and 'N') that are issued in these files to prevent transactions and the associated updates from being processed in their systems.

The amended S98 file record can be found [here](#) for reference.

The .CRS file, .SNR file and .TRS file each contain the S98 record. The file formats, with the updated S98 records, have also been attached for reference.

- [.CRS](#)
- [.SNR](#)
- [.TRS](#)

IGT Files

The B43 (MPO Updates to IGT) record will be updated, via AMT Marketflow for the .IDL file and SAP BW for the .IQL file, to allow the new values to be issued.

When a DCC Service Flag is set or amended, following an accepted .DXI file, an update will be included in the daily .IDL File.

IGTs will need to be able to accept the new values ('I' and 'N') that are issued in these files to prevent transactions and the associated updates from being processed in their systems.

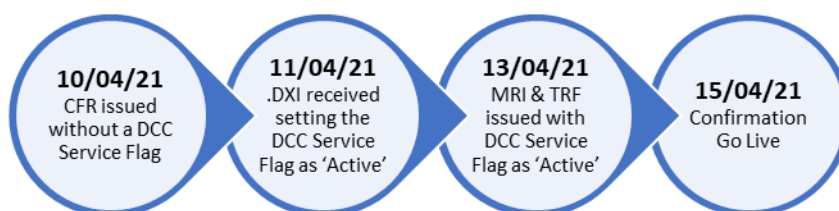
The file formats have been attached with the amended B43 record for reference.

- [IDL](#)
- [IQL](#)

Shipper Transfer Scenario

Please be aware that if the DCC Service Flag is set or amended after we have issued the .CFR file and before the .TRF and .MRI files are issued the latest DCC Service Flag, provided in the .TRF and .MRI files, will be different than the DCC Service Flag provided in the .CFR file.

An example is shown below



There are no changes to this process, this can occur currently and has been highlighted for awareness only.

UPDATE OF EXISTING DCC FLAGS

As part of the SEC Modification MP077 the DCC will be assessing their portfolio and updating any DCC Service Flags currently set to 'A', 'S' or 'W' where appropriate. There are circa. 4million Supply Meter Points with a 'DCC Service Flag' of 'A' held in UK Link which will be assessed and potentially could be updated by the DCC.

For the avoidance of doubt there are currently no Supply Meter Points with a DCC Service Flag of 'S' or 'W' held in UK Link.

Any Supply Meter Points that has their DCC Service Flag updated as part of this activity will be updated in UK Link. The amended value will be shown in the Data Enquiry Screen (DES) and an update will be included in the .IDL (Daily Delta file) issued to IGTs.

No notification will be issued through any reporting / dashboards you receive / have access to however these will be updated to include the new values, 'I' and 'N', when they have been set.

Potential disparity between the DCC Service Flag held in UK Link

Due to the potentially high volumes of updates required to existing DCC Service Flags there may be a disparity between the DCC Service Flag held in UK Link and the DCC Service Flag held by the DCC whilst the updates are being processed in UK Link. The CDSP will be working with the DCC to manage this activity and limit any disparity created.

Must Reads

Following the implementation of XRN5036 - Updates to must read process ([Link to XRN5036 Change Proposal](#)), Must Read Contacts, in CMS, are not generated for DN's where the site meets one of the following criteria

- 4) A mechanism code of NS, S1 or S2
- 5) An AMR device indicator
- 6) An DCC Service Flag of 'active'

Any Supply Meter Points, that do not meet any of the other criteria and have their DCC Service Flag changed from 'Active' to 'Installed Not Commissioned' or 'Non-Active' will no longer be excluded from having a Must Read Contact raised.

IGT's were not included in the change (XRN5036) and therefore there will be no change to the generation of Must Read Contacts.
Pre notes remain unchanged and are still issued to Shippers when the Supply Meter Points meets the Must Read criteria.

For awareness, GT's may experience an increase in their Must Read Contacts following this activity.

Shipper Transfer Scenario

As with the current solution, please be aware that if the DCC Service Flag is set or amended after we have issued the .CFR file and before the .TRF and .MRI files are issued the latest DCC Service Flag, provided in the .TRF and .MRI files, will be different than the DCC Service Flag provided in the .CFR file.

There are no changes to this process, this can occur currently and has been highlighted for awareness only.

G6: Associated Changes

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

G7: DSG

| | |
|-----------------------------|---|
| Target DSG discussion date: | 26 th July 2021 |
| Any further information: | As this change pack is for information discussion at DSG is for clarification purposes only and will not seek any recommendations |

G8: Implementation

| | |
|-----------------|---------------|
| Target Release: | November 2021 |
| Status: | Approved |

Please see the following page for representation comments template; responses to uklink@xoserve.com



Appendix 1

Change Prioritisation Variables

Xoserve uses the following variables set for each and every change within the Xoserve Change Register, to derive the indicative benefit prioritisation score, which will be used in conjunction with the perceived delivery effort to aid conversations at the DSC ChMC and DSC Delivery Sub Groups to prioritise changes into all future minor and major releases.

| | | |
|--|--|---|
| Change Driver Type | <input type="checkbox"/> CMA Order <input type="checkbox"/> EU Legislation <input type="checkbox"/> BEIS <input type="checkbox"/> SPAA Change Proposal <input checked="" type="checkbox"/> Other (please provide details below) SMART Energy Code Change MP077 | <input type="checkbox"/> MOD / Ofgem <input type="checkbox"/> License Condition <input checked="" type="checkbox"/> ChMC endorsed Change Proposal <input type="checkbox"/> Additional or 3 rd Party Service Request |
| Please select the customer group(s) who would be impacted if the change is not delivered | <input checked="" type="checkbox"/> Shipper Impact <input type="checkbox"/> Xoserve Impact | <input checked="" type="checkbox"/> iGT Impact <input type="checkbox"/> National Grid Transmission Impact <input checked="" type="checkbox"/> Network Impact |
| Associated Change reference Number(s) | N/A | |
| Associated MOD Number(s) | SEC MP077 | |
| Perceived delivery effort | <input type="checkbox"/> 0 – 30 <input checked="" type="checkbox"/> 60 – 100 | <input type="checkbox"/> 30 – 60 <input type="checkbox"/> 100+ days |
| Does the project involve the processing of personal data? <i>'Any information relating to an identifiable person who can be directly or indirectly identified in particular by reference to an identifier' – includes MPRNS.</i> | <input type="checkbox"/> Yes (If yes please answer the next question) <input checked="" type="checkbox"/> No | |
| A Data Protection Impact Assessment (DPIA) will be required if the delivery of the change involves the processing of personal data in any of the following scenarios: | <input type="checkbox"/> New technology <input type="checkbox"/> Mass data <input type="checkbox"/> Fundamental changes to Xoserve business <input type="checkbox"/> Other (please provide details below) <i>(If any of the above boxes have been selected then please contact The Data Protection Officer (Kevin-Eltoft-Prest) to complete the DPIA. Kevin-Eltoft-Prest. Information can be found: https://xoserve.sharepoint.com/dept/tech/infosec/Documents/Forms/AllItems.aspx)</i> | |
| Change Beneficiary <i>How many market participant or segments stand to benefit from the introduction of the change?</i> | <input checked="" type="checkbox"/> Multiple Market Participants <input type="checkbox"/> All industry UK Gas Market participants <input type="checkbox"/> One Market Group | <input checked="" type="checkbox"/> Multiple Market Group <input type="checkbox"/> Xoserve Only <input type="checkbox"/> One Market Participant |
| Primary Impacted DSC Service Area | Service Area 16: Provision of Supply Point Information Services and Other Services Required to be Provided Under Condition of the GT Licence | |
| Number of Service Areas Impacted | <input type="checkbox"/> All <input type="checkbox"/> Five to Twenty <input checked="" type="checkbox"/> One <input type="checkbox"/> Two to Five | |

| | | | |
|---|--|--|--|
| Change Improvement Scale? <i>How much work would be reduced for the customer if the change is implemented?</i> | <input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low | | |
| Are any of the following at risk if the change is not delivered? | | | |
| <input type="checkbox"/> Safety of Supply at risk <input type="checkbox"/> Customer(s) incurring financial loss <input type="checkbox"/> Customer Switching at risk | | | |
| Are any of the following required if the change is delivered? | | | |
| <input checked="" type="checkbox"/> Customer System Changes Required <input type="checkbox"/> Customer Testing Likely Required <input checked="" type="checkbox"/> Customer Training Required | | | |
| Known Impact to Systems / Processes | | | |
| Primary Application impacted | <input checked="" type="checkbox"/> BW <input checked="" type="checkbox"/> ISU <input type="checkbox"/> CMS <input type="checkbox"/> AMT <input type="checkbox"/> EFT <input type="checkbox"/> IX <input type="checkbox"/> Gemini <input type="checkbox"/> Birst <input type="checkbox"/> Other <i>(please provide details below)</i> | | |
| Business Process Impact | <input type="checkbox"/> AQ <input checked="" type="checkbox"/> SPA <input type="checkbox"/> RGMA <input type="checkbox"/> Reads <input type="checkbox"/> Portal <input type="checkbox"/> Invoicing <input type="checkbox"/> Other <i>(please provide details below)</i> | | |
| Are there any known impacts to external services and/or systems as a result of delivery of this change? | <input type="checkbox"/> Yes <i>(please provide details below)</i> <input checked="" type="checkbox"/> No | | |
| Please select customer group(s) who would be impacted if the change is not delivered. | <input checked="" type="checkbox"/> Shipper impact <input checked="" type="checkbox"/> Network impact <input checked="" type="checkbox"/> iGT impact <input type="checkbox"/> Xoserve impact <input type="checkbox"/> National Grid Transmission Impact | | |
| Workaround currently in operation? | | | |
| Is there a Workaround in operation? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If yes who is accountable for the workaround? | <input type="checkbox"/> Xoserve <input type="checkbox"/> External Customer <input type="checkbox"/> Both Xoserve and External Customer | | |
| What is the Frequency of the workaround? | N/A | | |
| What is the lifespan for the workaround? | N/A | | |
| What is the number of resource effort hours required to service workaround? | N/A | | |
| What is the Complexity of the workaround? | <input type="checkbox"/> Low <i>(easy, repetitive, quick task, very little risk of human error)</i> <input type="checkbox"/> Medium <i>(moderate difficult, requires some form of offline calculation, possible risk of human error in determining outcome)</i> <input type="checkbox"/> High <i>(complicate task, time consuming, requires specialist resources, high risk of human error in determining outcome)</i> | | |
| Change Prioritisation Score | | | |

Document Control

Version History

| Version | Status | Date | Author(s) | Summary of Changes |
|---------|----------|----------|----------------|--|
| 1 | Draft | 27/04/18 | Anesu Chivenga | |
| 1.1 | approved | 27/12/19 | Pooja Patel | Updates have been made to the DPIA information |
| | | | | |

Version Control

Document

| Version | Status | Date | Author(s) | Remarks |
|---------|-----------------|------------|-------------------------------|---|
| 0.1 | Draft | 18/09/2019 | Jamiee LeResche | Initial draft of CP for review |
| 0.2 | Draft | 26/09/2019 | Simon Harris Kirsty Dudley | Additional information and comments made, responded with slight amendments |
| 1.0 | Approved | 30/09/2019 | Simon Harris | Final CP ready for submission to PMO |
| 2.0 | With DSG | 14/04/2020 | Jai Le Resche | Updated with ChMC outcome from the meeting on 8 th April |
| 3.0 | Voting | 10/09/2020 | Rachel Taggart | Added the Solution Review Change Pack & updated with ChMC outcome from the meeting on 9 th September |
| 4.0 | For Approval | 31/03/2021 | Rachel Taggart | Detail Design Change Pack added |
| 5.0 | Approved | 12/04/2021 | Rachel Taggart | Outcome from ChMC on 7th April added |
| 6.0 | For Information | 04/08/2021 | Rachel Taggart | Updated Detail Design Change Pack added |