

## DIP CR Consultation

### DCR0002 'Change to Non-Functional Requirements'

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#### About This Document

You can find the definitions of the terms and acronyms used in this document in the [DIP Glossary](#)<sup>1</sup>.

The purpose of this Data Integration Platform (DIP) Change Request (CR) Consultation is to invite DIP Users and other interested parties to provide their views on the impacts and the merits of DCR0002. The DIP Manager will then consider the consultation responses before making a decision on whether or not to approve DCR0002.

There are three parts to this document:

- This is the main document. It provides a summary of the solution, impacts, anticipated costs, and proposed implementation approach.
- [Attachment A](#)<sup>2</sup> contains the proposed redlined changes to deliver the DIP CR solution.
- [Attachment B](#)<sup>3</sup> contains the specific questions on which we seek your views. Please use this form to provide your response to these questions, and to record any further views or comments you wish to be considered.



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<sup>1</sup> <https://bscdocs.elexon.co.uk/data-integration-platform/dsd007-dip-glossary>

<sup>2</sup> [https://elexon.sharepoint.com/:w/s/DataIntegrationPlatformDIP/EQVYCcwZTxVAo4N\\_3GczXQUBZW0H7KDf\\_wT8-cehnWJpPAA?e=faS9DW](https://elexon.sharepoint.com/:w/s/DataIntegrationPlatformDIP/EQVYCcwZTxVAo4N_3GczXQUBZW0H7KDf_wT8-cehnWJpPAA?e=faS9DW)

<sup>3</sup> <https://elexon.sharepoint.com/:w/s/DataIntegrationPlatformDIP/EcwPPY-j6FdDuf1hCRCT6LoBRT6WgNQ-PwHCv-uzYaQ2Mg?e=hovSs5>



## Not sure where to start?

We suggest reading the following sections:

- Have 5 minutes? Read section 1
- Have 15 minutes? Read sections 1, and 5
- Have 30 minutes? Read all sections
- Have longer? Read all sections and the annexes and attachments

## Background and Issue

This DIP CR proposes to update the DIP Rules to align with the changes made to the Market-wide Half Hourly Settlement (MHHS) Programme design following the approval of MHHS Programme Change Request CR054 'Change to Non-Functional Requirements (NFRs) for LDSOs'. CR054 related to several requirements for Registration Services, Unmetered Supplier Operators (UMSOs), and Distribution Network Operators (DNOs). Following CR054, an update to the DIP Rules is required to avoid confusion and unnecessary testing costs for DIP Users.

## Solution

This DIP CR proposes amendments to [DSD002 Annex 2 'Detailed DIP Operational Requirements'](#)<sup>4</sup> to detail the asynchronous response time requirements for DIP User systems, the BSC's Data Acquisition Hub (DAH), Registration Services (REGS), Unmetered Supplies Operators (UMSO) and Distributors (DNO/iDNO).

## Impacts

Roles performing NFR checks should take note of this change. However, DCR0002 will not impact DIP Users as it simply seeks to align the DIP Rules with the MHHS Design. There are no new obligations created and therefore no actual impact to parties. This DIP CR will amend DSD002 Annex 2 only. There are no impacts to the DIP system or DIP arrangements.

| Cost Estimates |                    |              |                                   |
|----------------|--------------------|--------------|-----------------------------------|
| Organisation   | Implementation (£) | On-going (£) | Impacts                           |
| DIP Manager    | <1k                | N/A          | Updates to one DSD                |
| Industry       | N/A                | N/A          | No new requirements for DIP Users |
| Total          | <1k                | 0            | -                                 |

## DIP CR Progression

This DIP CR is being progressed as a Tier Two DIP CR, as there are no material impacts.

DIP Manager initially recommends an Implementation Date of **26 June 2025**. This would align with an existing Standard BSC Release, which would provide cost and time savings for Exelon.

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<sup>4</sup> <https://bscdocs.exelon.co.uk/data-integration-platform/dsd002-annex-2-detailed-dip-operational-requirements>

## 2. Background and Issue

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### What is the issue?

MHHS Programme Change Request CR054 'Change to Non-Functional Requirements for LDSOs' proposed to amend several NFRs within the MHHS design. The MHHS Change Request was approved under MHHS Programme Governance, and the MHHS design was amended, necessitating this DIP CR to update the DIP Rules to align.

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### Background

Non-Functional Requirements (NFRs) are criteria that relate to how a system behaves rather than being directly related to its functionality. These system attributes indicate how well the system functions, such as measures of security, reliability, and usability.

During various Market-wide Half Hourly Settlement (MHHS) Programme workshops and sessions it was acknowledged that some of the NFRs developed as part of the MHHS design were incorrect. For example, the NFRs referred to 'all services', despite different services requiring different volumetrics. Any DIP User system must require a lower volumetric to be tested than the DIP itself, as the DIP would be processing the totality of DIP User messages.

CR054 was raised to address the NFR issues for LDSOs. Specifically, it sought make changes to the following [MHHS E2E Non-Function Requirements](#)<sup>5</sup>:

- E2E1004 'Message Throughput':
  - Amended to apply the participant's portfolio coefficient (based on the size of the service's MPAN portfolio divided by the total number of MPANs), and to exclude PUB-13, PUB-014, PUB-021, REP002, REP002A, REP900, REP901 where used in Distribution Use of System Billing by Distributors;
- E2E1005 'Message Throughput (Secure Active)':
  - Amended to update the required processing capacity and to remove reference to annual volumes;
- E2E1007 'Message Throughput (Transition)':
  - Removed as it has been superseded by E2E1011;
- E2E1009 'Level 4 Processing Times (Asynchronous)':
  - Amended to exclude PUB-13, PUB-014, PUB-021, REP002, REP002A, REP900, REP901 where used in Distribution Use of System Billing by Distributors;
- E2E1011 'Message Throughput (Migration)':
  - Amended to reference the Migration Thresholds Document (DEL1648). Which defines the maximum Migration volumes (and the resulting DIP message volumes) for each Registration Service.

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### Desired outcomes

This DIP CR aims to align the DIP Rules with the MHHS design.

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<sup>5</sup> <https://www.mhhsprogramme.co.uk/api/documentlibrary/Design Documents/MHHS-E2E002 Requirements v3.5.xlsx>

## 3. Solution

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### Proposed solution

This DIP CR proposes changes to [DSD002 Annex 2](#) to align with the changes to the MHHS design that were approved as part of CR054. Some of the CR054 updates relate to transition requirements that are not required within the DIP Rules. Additionally, a number of the CR054 changes relate to the requirements that were missing from the DIP Rules, so those changes were made as part of DCR0001. Please see Annex 1 for a breakdown of how the updates for CR054 have been translated into the DIP Rules.

The amendments included as part of this DIP CR are:

- The addition of a new paragraph (11.4.2) detailing the asynchronous response time requirements for DIP User systems;
- The addition of a new paragraph specifying the asynchronous response time requirements for the BSC's Data Acquisition Hub (DAH); and
- The addition of a new paragraph specifying the asynchronous response time requirements for Registration Services (REGS), Unmetered Supplies Operators (UMSO) and Distributors (DNO/iDNO).

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### Proposer's rationale

The NFRs as agreed upon in the MHHS Design Artefacts should be reflected in the DIP Rules to ensure that the DIP Rules are correct. This should be done in a timely manner to avoid confusion for DIP Users.

#### DIP CR Consultation Question

Do you agree with the DCR0002 proposed solution?

*Please provide your rationale.*

We invite you to give your views using the response form in Attachment B

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### Proposed redlining

The proposed redlining for DSD002 Annex 2 can be found in [Attachment A](#).

#### DIP CR Consultation Question

Do you agree that the draft redlining delivers the DCR0002 proposed solution?

*If 'No', please provide your rationale.*

We invite you to give your views using the response form in Attachment B

## 4. Impacts and Costs

### DIP User impacts

The DIP CR will not impact DIP Users as it simply seeks to align the DIP Rules with the MHHS Design, there are no new obligations created and therefore no actual impact to parties.

### DIP impacts

This DIP CR will amend [DSD002 Annex 2](#) only. There are no impacts to the DIP system or DIP arrangements.

| Impact on DIP Rules                               |   |
|---|---|
| DIP Document                                      | Impact                                      |
| DSD002 A2 'Detailed DIP Operational Requirements' | Amended as per <a href="#">Attachment A</a> |

### DIP Manager impacts

There are no anticipated impacts to the DIP Manager.

### Industry Code impacts

There are no anticipated impacts to other Industry Codes or any changes to Industry Codes that are in progress.

### DIP CR Cost estimation

As DCR0002 intends to align the DIP Rules with the updated NFRs that have been available to MHHS Programme Participants via the MHHS Design Artefacts, and should have already been built to, there are no expected costs to industry. The only cost will be for the DIP Manager, associated with the DSD update.

| Cost Estimates |                    |              |                                   |
|----------------|--------------------|--------------|-----------------------------------|
| Organisation   | Implementation (£) | On-going (£) | Impacts                           |
| DIP Manager    | <1k                | N/A          | Updates to one DSD                |
| Industry       | N/A                | N/A          | No new requirements for DIP Users |
| Total          | <1k                | 0            | -                                 |

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## Applicable DIP Objectives

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The DIP Manager believes that this DIP CR will have the following impacts on the Applicable DIP Objectives:

| Impacts to Applicable DIP Objectives   |                 |  |
|--|-----------------|--|
| Applicable DIP Objective   | Impact          | Rationale  |
| (a) Provide accurate and timely support for the sharing of applicable market data.   | <b>Positive</b> | Ensuring the DIP Rules are accurate ensures they support sharing of applicable market data in a timely manner by ensuring all DIP users are operating to the same specification. |
| (b) Further consumer interests through the appropriately governed sharing of data.   | <b>Positive</b> | Updating these NFRs will ensure that the governance around the sharing of data (the DIP Rules) is appropriate.   |
| (c) Facilitate competitive change and innovation through the efficient and economic delivery of reliable and adaptable services. | Neutral         | -  |

### DIP CR Consultation Question

Will DCR0002 impact your organisation?

*If 'Yes', please provide a description of the impact(s) on your organisation and any activities which you will need to undertake between the approval of DCR0002 and the DCR0002 Implementation Date (including any necessary changes to your systems, documents and processes). Where applicable, please state which of the roles that you operate as will be impacted and any differences in the impacts between each role.*

Will your organisation incur any costs in implementing DCR0002?

*If 'Yes', please provide details of these costs, how they arise and whether they are one-off or on-going costs.*

We invite you to give your views using the response form in Attachment B

## 5. DIP CR Progression



### DIP CR Materiality Criteria?

The criteria for a DIP CR to be considered as material, and therefore a Tier One DIP CR, includes:

- an implementation cost greater than £500,000 for the DIP Manager and/or £250,000 for DIP Users
- placing new obligations on DIP Users and/or the DIP Manager that will require a change to the DIP User's business operating model
- an Implementation Date more than 24 months after the date on which the decision is made.

### Change Tier

The DIP Manager believes that DCR0001 has no material impact and should therefore be considered a Tier Two DIP CR.

### Progression Timeline

This DIP CR must be implemented prior to M10, but there is benefit to the DIP Rules being correct and aligned to the MHHS Design Artefacts as soon as possible.

| Progression Timetable           |                              |
|---------------------------------|------------------------------|
| Event                           | Date                         |
| Initial Assessment published    | 28 February 2025             |
| Initial Assessment re-published | 19 March 2025                |
| Industry Consultation           | 19 March 2025 – 9 April 2025 |
| Final Assessment published      | 17 April 2025                |
| DIP CR presented for decision   | 24 April 2025                |
| Decision published              | 25 April 2025                |
| Proposed Implementation Date    | 26 June 2025                 |

### Implementation

DIP Manager recommends an Implementation Date for DCR0002 of 26 June 2025.

The proposed Implementation date would align with an existing Standard BSC Release, which would provide cost and time savings for Elexon.

#### DIP CR Consultation Question

Do you agree with the proposed implementation approach for DCR0002?  
*Please provide your rationale.*

We invite you to give your views using the response form in Attachment B

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## 6. Annex 1: Traceability Matrix

The below table details how the amendments made by CR054 to the [MHHS E2E Non-Function Requirements](#) have been translated into the DIP Rules.

| MHHS Design Requirement                           | Amendment proposed by CR054   | Translation into DIP Rules   |
|---|---|--|
| E2E1004<br>'Message Throughput'                   | <ul style="list-style-type: none"> <li>Amended to exclude PUB-13, PUB-014, PUB-021, REP002, REP002A, REP900, REP901 where used in Distribution Use of System (DUoS) Billing by LDSOs</li> <li>Amended to apply the participant's portfolio coefficient (based on the size of the services MPAN portfolio divided by the total number of MPANS, i.e. the percentage of the total number of MPANS)</li> </ul> | Updated as part of DCR0001, now in <a href="#">paragraph 9.8 of DSD002 Annex 2</a> <sup>6</sup>  |
| E2E1005<br>'Message Throughput (Secure Active)'   | <ul style="list-style-type: none"> <li>Amended to update the required processing capacity</li> <li>Amended to remove reference to annual volumes</li> </ul>   | Updated as part of DCR0001, now in <a href="#">paragraph 9.8 of DSD002 Annex 2</a>   |
| E2E1007<br>'Message Throughput (Transition)'      | <ul style="list-style-type: none"> <li>Removed as it has been superseded by E2E1011</li> </ul>  | No update required – transition arrangements are not within the scope of the DIP Rules – the DIP Rules relate to enduring arrangements only. |
| E2E1009 'Level 4 Processing Times (Asynchronous)' | <ul style="list-style-type: none"> <li>Amended to exclude PUB-13, PUB-014, PUB-021, REP002, REP002A, REP900, REP901 where used in Distribution Use of System (DUoS) Billing by LDSOs</li> </ul>   | Proposed as part DCR0002, paragraph 11.4 of DSD002 Annex 2 (see <a href="#">Attachment A</a> ).  |
| E2E1011<br>'Message Throughput (Migration)'       | <ul style="list-style-type: none"> <li>Amended to reference the Migration Thresholds Document (DEL1648). Which defines the maximum Migration volumes (and the resulting DIP message volumes) for each LDSOs Registration Service</li> </ul>   | No update required – migration arrangements are not within the scope of the DIP Rules – the DIP Rules relate to enduring arrangements only.  |

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<sup>6</sup> <https://bscdocs.elaxon.co.uk/data-integration-platform/dsd002-annex-2-detailed-dip-operational-requirements#9-9.8>