

DIP CR Final Assessment Report

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](#)¹.

This document is a Data Integration Platform (DIP) Change Request (CR) Final Assessment Report for 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. It also summarises the Workgroup views and the views of respondents to the DIP CR Consultation.
- [Attachment A](#) contains the proposed redlined changes to deliver the DIP CR solution.
- [Attachment B](#) contains the full responses received to the DIP CR Consultation.



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



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'](#)² 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 and costs

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

2. Background and Issue

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.

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](#)³:

- 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.

Desired outcomes

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

³ <https://www.mhhsprogramme.co.uk/api/documentlibrary/Design Documents/MHHS-E2E002 Requirements v3.5.xlsx>

3. Solution

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).

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.

Proposed redlining

The proposed redlining for DSD002 Annex 2 can be found in Attachment A.

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 Attachment 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	-

Applicable DIP Objectives

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.	Positive	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.	Positive	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	-

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	30 April 2025
DIP CR presented for decision	1 May 2025
Decision published	2 May 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.

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6. Industry Views

This section summarises the responses received to the DIP CR Consultation. The full responses can be found in Attachment B.

Four responses were received, all in support of the DIP CR. Responses were received from three Distributors and one Code Body.

Summary of DCR0002 DIP CR Consultation Responses				
Question	Yes	No	Neutral/No Comment	Other
Do you agree with the DCR0002 proposed solution?	4	0	0	0
Do you agree that the draft redlining delivers the intent of DCR0002?	2	2	0	0
Will DCR0002 impact your organisation?	1	3	0	0
Will your organisation incur any costs in implementing DCR0002?	0	4	0	0
Do you agree with the proposed implementation approach for DCR0002?	4	0	0	0
Do you have any further comments on DCR0002?	2	2	0	0

Under further comments a respondent highlighted concerns over potential additional inconsistencies between the MHHS Programme NFRs and the DIP Rules. The DIP Manager understands these concerns and has initiated a review and traceability exercise.

Two respondents also noted that some terminology is not consistent between the DIP Rules, MHHS documentation, and other Industry Codes. For example, the DIP Rules refer to Distribution Network Operators (DNOs) rather than Licensed Distribution System Operators (LDSOs), and Smart and Advanced Metering Services rather than Smart Advanced Meter Operator Agents. The terminology in the DIP Rules is based on the role names within the DIP itself, which has come from the MHHS design.

The DIP Manager will raise the issue of terminology at the DCAB for discussion and will consider completing an impact assessment for these differences. Any changes to terminology will be progressed as a separate DIP CR.

Comments on the proposed redlining

Two respondents did not agree that the draft redlining delivered the intent of DCR0002, and their specific comments are addressed below.

Comments on the DCR0002 Proposed Redlining		
Document & Location	Comment	Elexon's Response
DSD002 Annex 2 11.4.3	This section refers to the obligation impacting BSC's Data Acquisition Hub (DAH) whereas the E2E002 Non-Functional Requirements E2E1009 refers to this obligation impacting VAS, MDS, LSS and ISD. We are not clear why this change has been made. Suggest that this paragraph references BSC Central Systems to align to wider BSC and DIP drafting.	The reference to The BSC's Data Acquisition Hub (DAH) is to align with the DIP User role as listed in DSD002 2.1.1 ⁴ . The DAH is how the BSC Central Systems will connect to the DIP and encompasses VAS, MDS, LSS and ISD.
DSD002 Annex 2 11.4.4	This section refers to Registration Services. This term is not used in the rest of the BSC (or REC). Suggest this should use standard terminology e.g. Supplier Meter Registration Service to align to BSCP706.	The reference to Registration Service (REGS) is to align with the DIP User role as listed in DSD002 2.1.1 .
DSD002 Annex 2 11.4.4	We would request clarity on the inclusion of this section as our understanding is that the SLA's are embedded within Code documents and should not be within the DIP Rules.	All relevant NFRs identified by the MHHS Programme design should be included in the DIP Rules within DSD002 Annex 2 (with irrelevant NFRs being those relating to migration, for example), so that all DIP Users can see what requirements must be met. This includes the asynchronous response times.

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⁴ <https://bscdocs.elexon.co.uk/data-integration-platform/dsd002-dip-connection-and-operation#2-2.1>

7. Recommendations

The DIP Manager decision panel is invited to:

- **AGREE** that DCR0002 :
 - DOES better facilitate DIP Applicable Objective (a); and
 - DOES better facilitate DIP Applicable Objective (b);
- **APPROVE** DCR0002;
- **APPROVE** an Implementation Date of **26 June 2025**;
- **APPROVE** the proposed DSD amendments; and
- **APPROVE** the DCR0002 Final Assessment Report.

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