



**MHHS
PROGRAMME**
Industry-led, Elexon facilitated

MHHS Data Integration Platform (DIP) - Market Participant Portal User Guide

Document owner
Avanade

Document number
DIP-D26

Version
V0.4

Status:
Draft

Date
12/05/2025

Change Record

	Author	Version	Change Detail
19/09/2023	Dolapo Adeyemi	V0.1	Initial release
28/02/2025	Edward Bowyer	V0.2	Uplift
28/03/2025	Paul Daniels	V0.3	Administrative updates prior to upload to Programme Collaboration Base
12/05/2025	Edward Bowyer	V0.4	Amended with review comments

Reviewers

Reviewer	Role
Rob Golding	Reviewer
James Stokes	Reviewer
Chris Wood	Reviewer
Kevan Gleeson	Reviewer
Smitha Pichrikat	Approver
Richard Bragg	Reviewer

Background and Context

- The Office of Gas and Electricity Markets (Ofgem) appointed Elexon Limited as the Senior Responsible Owner (SRO) with responsibility for management and delivery of the Market-wide Half Hourly Settlement (MHHS) implementation
- The MHHS Data Integration Platform (DIP) will be provided by Elexon to allow electricity suppliers and consumers to submit and receive half-hourly metering data and other related messages to be used in the MHHS settlement process
- Elexon has selected Avanade UK to design, build, test, implement and operate the DIP in the role of DIP Service Provider (DIP SP)

Purpose of the Portal User Guide

- Streamlined Navigation: Facilitate easy access and efficient navigation of the Data Integration Platform (DIP) portal for market participants.
- Role-Tailored Guidance: Provide role-specific instructions and best practices to empower users based on their specific market roles.
- Enhanced Integration: Equip market participants with the knowledge and tools needed to maximize data integration capabilities within the energy market through the DIP portal.

User Roles and Permissions

Introduction

Welcome to the Data Integration Platform (DIP) Portal User Guide for Market Participants. This guide is designed to assist you to navigate and utilize the DIP portal effectively.

The DIP portal serves as a central hub for data integration and management, enabling seamless communication and interaction within the energy market. Whether you're a participant organization or a DIP connection provider, this guide will provide you with instructions, tips, and best practices to make the most of this powerful platform.

Portal User Guide User Roles and Accessibility

The DIP uses a Role-Based Access Control (RBAC) system, and the following table provides an overview of the types of roles.

Each role is independent, with a flat hierarchy. One or more role can be applied, in any combination.

Section	User Role	Actions / Description
1	User Admin	Manage organisation members, manage DIP IDs, view audit records, create DIP IDs from ISD data and request new DIP role codes.
2	Certificate Admin	Create and Manage Certificates and API Keys.
3	Message Admin	View message channels, message tracking, processing, replay and requeue and DIP ID configuration.
4	Analytics Reader	View DIP Performance reports.

Portal User Guide Overview

The Portal User Guide is a comprehensive resource for new market participants that provides guidance on how to navigate and use the Data Integration Platform (DIP) portal effectively. It combines the business-as-usual aspects of the DIP once onboarding is completed and is tailored to provide role-specific instructions and best practices. Please consult the [E2E onboarding guide](#) for detailed steps assisting the onboarding onto the DIP.

The following table provides the overview of the sections within the guide to help users know where to start.

Section	Section Header	Description
1	Navigation: All Market Participant Users	General login and navigation for all users
2	Market Participant User Admin	Actions performed by this role
3	Market Participant Certificate Admin	Actions performed by this role
4	Market Participant Message Admin	Actions performed by this role
5	Market Participant Analytics Reader	Actions performed by this role
Addendum	FAQs	A list of common questions and advice needed
Addendum	Contact and Support	Contact details

Navigation: All Market Participant Roles

Preparation

Before accessing the DIP Portal:

1. All organisation must have been fully onboarded – see [E2E onboarding guide](#) for how to onboard onto the DIP.
2. Your MP User Admin has invited you to the DIP using your enterprise email.
3. Visit the appropriate DIP Portal from the selection of URLs below.

DIP Portal URLs

Each environment has a different colour header banner to help visually differentiate, as the table below illustrates.

Environment	URL
SIT	https://portal.sit.energydataintegrationplatform.co.uk
SIT-B	https://portal.sitb.energydataintegrationplatform.co.uk
UIT	https://portal.uit.energydataintegrationplatform.co.uk
PRD	https://portal.energydataintegrationplatform.co.uk

SECTION 1 – Sign-in to the DIP

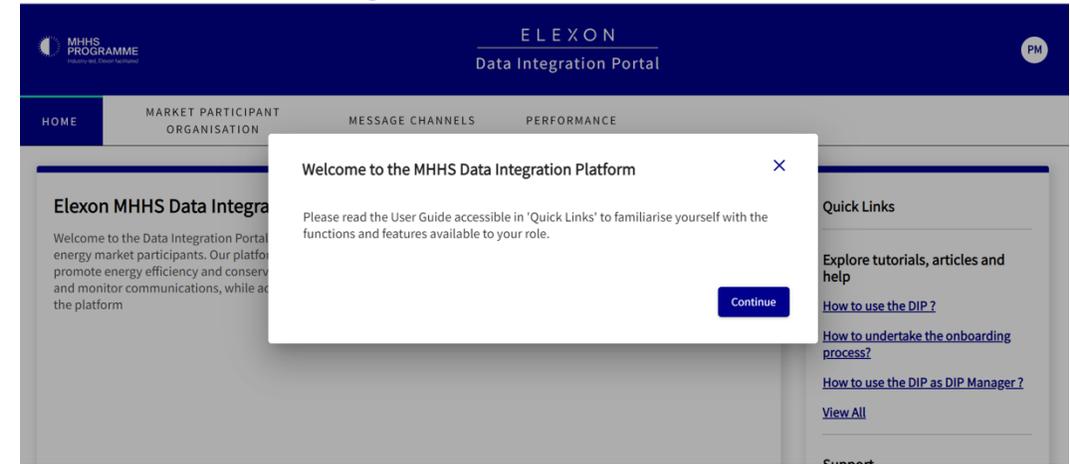
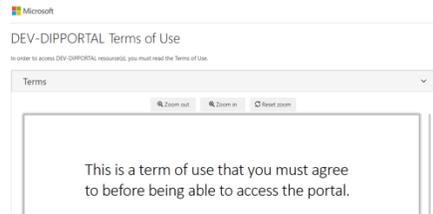
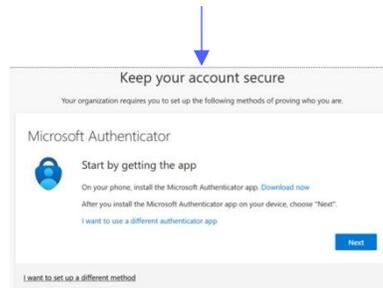
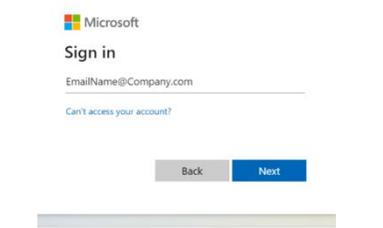
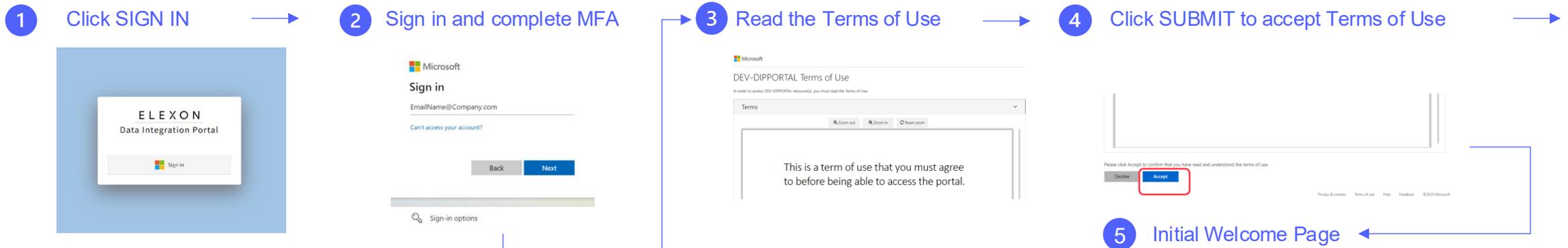
The initial Sign-in to the DIP

Sign in to DIP:

1. You will be able to use your enterprise email address to sign in, provided your MP User Admin has invited you.
2. Set up your authenticator tool on your mobile, Microsoft Authenticator is recommended

Sign-in to the DIP

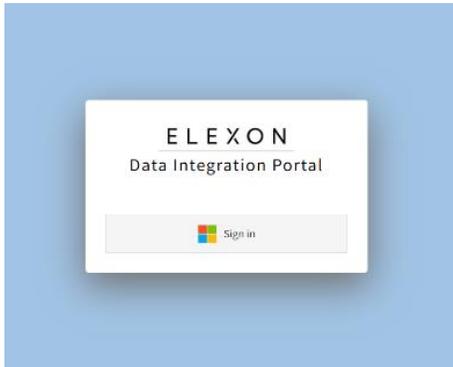
Please follow steps 1-5 below to complete your sign in.



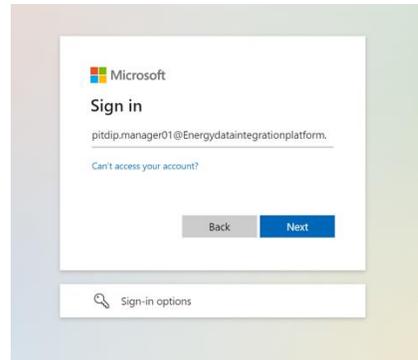
Future Logins

To Login to the DIP: Complete Steps 1-4 of the set up

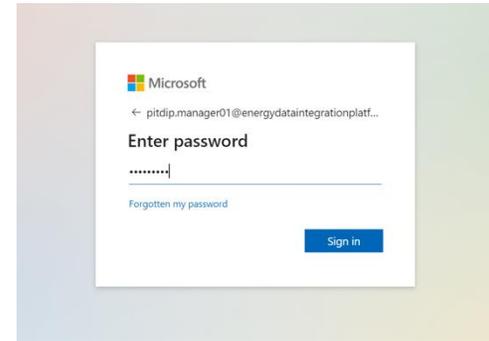
1 Click SIGN IN



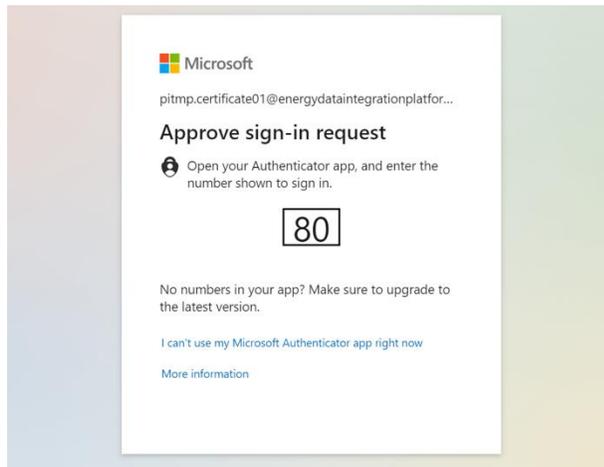
2 Sign in with your email



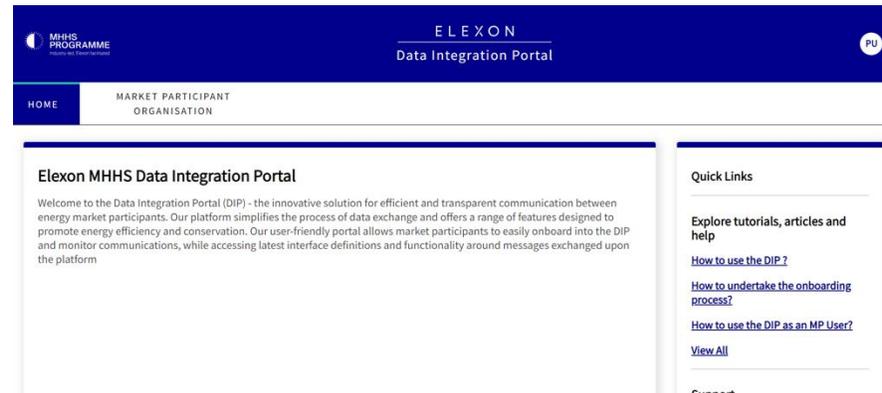
3 Enter your password



4 Type in MFA number on your mobile-phone (MS authenticator) once prompted

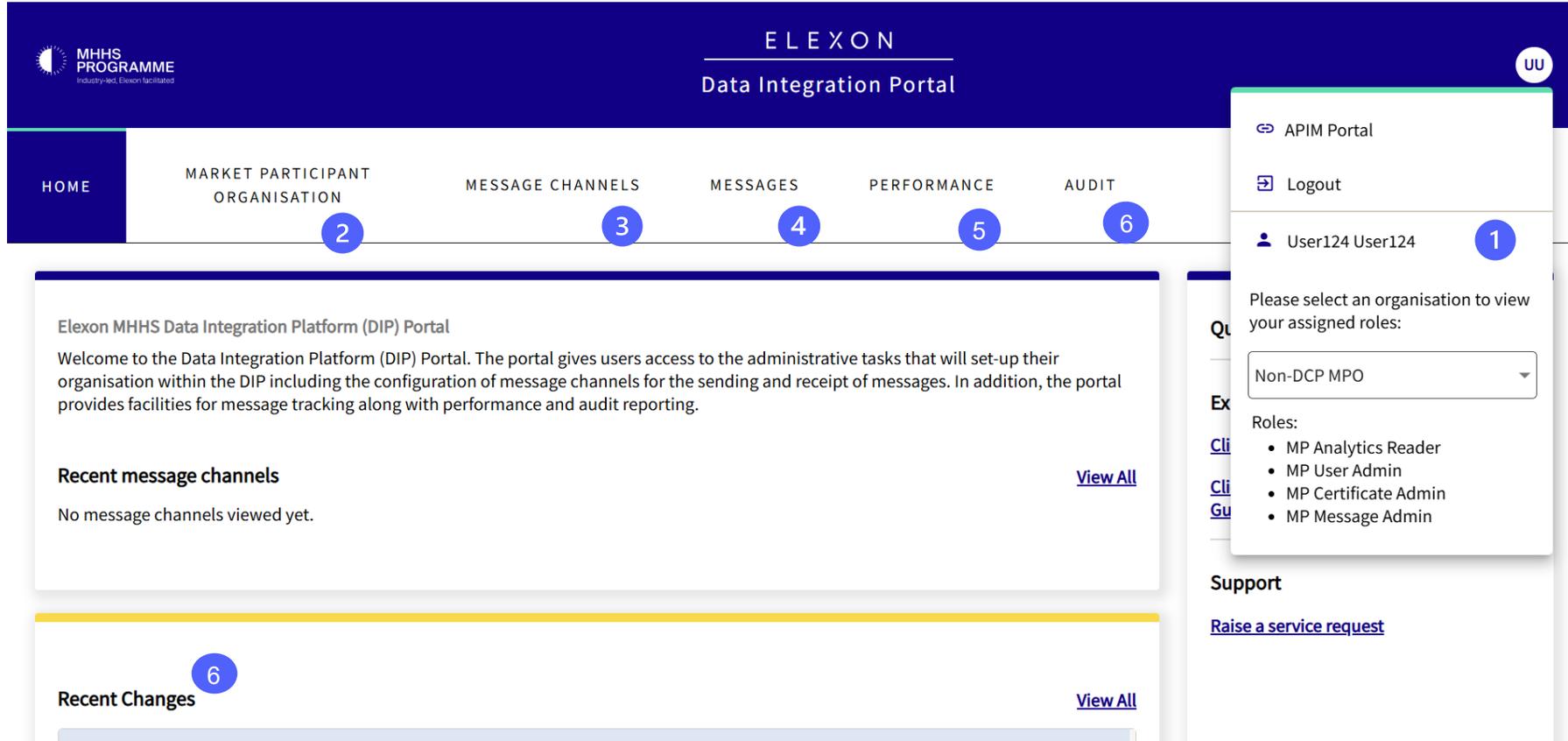


5 Home Page



Home Page

Depending on your assigned roles you will have different navigation menus available to you, this overview shows a user with all roles assigned.



- | | | | | | |
|---|--|---|---|---|--|
| <p>1 User Profile:
<i>All Roles</i></p> <ol style="list-style-type: none"> 1. Access the APIM Portal 2. Log out of your account 3. View assigned roles | <p>2 Market participant organisation:
<i>All Roles</i></p> <ol style="list-style-type: none"> 1. View and manage Organisation. 2. Manage DIP / DCP IDs 3. Manage certificates | <p>3 Message Channels:
<i>MP Message Admin</i></p> <ol style="list-style-type: none"> 1. Explore Message channels, interface schema and data dictionary 2. Replay and Requeue messages 3. Manage DIP / DCP IDs | <p>4 Messages:
<i>MP Message Admin and Analytics Reader</i></p> <ol style="list-style-type: none"> 1. Browse Messages transaction logs | <p>5 Performance
<i>MP Analytics Reader</i></p> <ol style="list-style-type: none"> 1. View Performance reports | <p>6 Audit
<i>MP User Admin</i></p> <ol style="list-style-type: none"> 1. View audit records on what has been changed, by who, compare records. |
|---|--|---|---|---|--|

Market Participant User Admin

MP User Admin Actions

This section will describe the following actions available to users with the MP User Admin role:

- Invite new members, assign them roles, extend access and offboard.
- Manage DIP and manage access within your organisation
- Nominate a DIP Connection Provider per DIP ID
- Request DIP Connection Provider status and create DCP IDs
- View audit records logs

SECTION 2 – Market Participant Organisation View

All actions apart from the Audit are available from the Market Participant Organisation view, if you are a member of multiple organisations, or a DCP, you will have to select from a list which organisations to load into view.

1 Company houses number and Description will have been verified by the initial MP User Admin who undertakes the initial onboarding. If these need to be updated for any reason, please contact support.

Example MPO

You can view your organisation details below. Please ensure that you keep this information accurate and up-to-date.

[Request DIP Connection Provider Status](#)

Company Number: 313234
Role Codes: MSS, ADS, MDR, MDS, LDSO, EES, REGS, UMSO, UMSDS, VAS, SUP, ISD, MSA, LSS, SDS
DCP Status: Disabled

Description: An example non-DCP Market Participant Organisation, to demonstrate functionalities.

Whitelisted Domains: pit.testmp.co.uk, dcpit.testmp.co.uk

DIP IDs Members [Create New DIP ID](#) [Filter](#)

You can view the status of your DIP IDs below. Please ensure that you keep this information accurate and up-to-date.

DIP ID	DIP Role Code	MPID	MP Role Code	DCP Organisation	DCP ID	Effective From Date (MPR)	Effective To Date (MPR)	Actions
1000000018	MSA	ERTY	T	MPO DCP Org	9000000002	2024-08-08	2025-12-31	Edit Delete
1100000017	ADS	ACDS	O	N/A	N/A	2024-01-01	2025-08-01	Edit Delete
1200000022	MSS	ASDF	S	N/A	N/A	2024-01-01	2025-08-06	Edit Delete
1200000042	MSS	MSSS	S	N/A	N/A	2024-10-02	2025-10-02	Edit Delete
1200000047	MSS	MSS1	S	Unassigned	N/A	2025-01-08	9999-12-31	Edit Delete
1400000012	SDS	ASDM	N	N/A	N/A	2024-08-07	2025-12-31	Edit Delete
1400000024	SDS	SLAL	N	N/A	N/A	2024-10-01	2025-11-28	Edit Delete

Showing items 1 - 10 of 21 | Show 10 | 20 | 50 | All

3 The active Role Codes for the organisation, as calculated from constituent DIP IDs

2 As a security measure, Only users who have a Whitelisted Domain can be invited as a member of an organisation. These will have been confirmed at the onboarding stage. If any additional domains are required, please contact support.

SECTION 2 – Market Participant Organisation View continued – Umbrella organisations

The Market Participant View also highlights any hierarchical organisational structure.

An Umbrella Organisation can be configured by a DIP Admin, selecting one or more Child Organisations.

If you believe there are any miss-configurations in your Umbrella Organisation, or you would like to be setup, please contact support.

1 An example Umbrella Organisation

Example Umbrella Organisation

You can view your organisation details below. Please ensure that you keep this information accurate and up-to-date.

[Request DIP Connection Provider Status](#)

Company Number	Role Codes	DCP Status
242352	MDS, MSS, ADS	Disabled

Description
test parent

Whitelisted Domains
pit.testtmp.co.uk

Child Organisation
[MPO Child1](#)
1
[MPO Child2](#)

DIP IDs Members Create New DIP ID Filter Search

You can view the status of your DIP IDs below. Please ensure that you keep this information accurate and up-to-date.

DIP ID	DIP Role Code	MPID	MP Role Code	DCP Organisation	DCP ID	Effective From Date (MPR)	Effective To Date (MPR)	Actions
1201987992	MDS	HGJ	n/a	Unassigned	N/A	2024-06-27	2025-06-27	Edit Delete
1481645611	ADS	YYYY	O	Unassigned	N/A	2024-07-16	2025-07-16	Edit Delete
1509574836	MSS	HGHJ	S	Unassigned	N/A	2024-06-28	2025-06-28	Edit Delete

2 An example Child Organisation

MPO Child1

You can view your organisation details below. Please ensure that you keep this information accurate and up-to-date.

[Request DIP Connection Provider Status](#)

Company Number	Role Codes	DCP Status
242353	SUP	Disabled

Description
child 1 org

Whitelisted Domains
pit.testtmp.co.uk

Umbrella Organisation
[Example Umbrella Organisation](#)
2

DIP IDs **Members** Create Member Filter Search

You can view the details of your members and roles below. Please ensure that you keep this information accurate and up-to-date.

First Name	Last Name	Email ID	Role	Expiry Date	Actions
Sixty	oneuser	user61@pit.testtmp.co.uk	MP User Admin	2025-06-26	Edit Extend Offboard
Sixty	user	user60@pit.testtmp.co.uk	MP Analytics Reader	2025-06-27	Edit Extend Offboard
User	thirtyeight	user38@pit.testtmp.co.uk	MP User Admin	2025-12-19	Edit Extend Offboard
User	fortysix	user46@pit.testtmp.co.uk	MP Certificate Admin	2025-06-20	Edit Extend Offboard

3 Members from an Umbrella Organisation are not directly editable in the Child

3 Members of an Umbrella Organisation automatically inherit the roles and permissions they have assigned over all the configured Child Organisations. If a role is added or removed against a user of the Umbrella organisation, it will be added or removed from each Child.

SECTION 2 – Member management

1 Create Member brings up the popup window to invite a new user. If you tick the 'Member of All DIP IDs' checkbox, the user will have access to all existing and any newly created DIP IDs of your organisation. If you prefer to have more granular access, you can specify specific DIP IDs, useful for large organisations or those invited in DCP users to manage a provided for DIP ID to greater extent than the basic DCP nomination provides, for example pairing and event code subscriptions. These can be updated later.

You must select one or more roles for the new member. It is advised that each Market Participant has at least 2 User Admin, 2 Certificate Admin and 2 Message Admin's to ensure cover is provided during potential situations of absence. It is also acceptable for one person to hold multiple roles. Please ensure you have cover for all potential access needs.

2 Everything other than the Email address can be edited. Please create a new account if there is a change of Email for one of your members.

First Name	Last Name	Email ID	Role	Expiry Date	Actions
User	OneSixtyTwo	User162@pit.testmp.co.uk	MP Message Admin	2025-04-03	Edit Extend Offboard
non	dcp	user103@pit.testmp.co.uk	MP User Admin MP Analytics Reader	2025-08-05	Edit Extend Offboard
user	onetwentytwo	user122@pit.testmp.co.uk	MP Message Admin	2025-07-09	Edit Extend Offboard
user	onetwentyfour	user124@pit.testmp.co.uk	MP User Admin	2025-10-03	Edit Extend Offboard
user	onesevencight	user178@pit.testmp.co.uk	MP Message Admin	2025-07-09	Edit Extend Offboard

4 Offboard allows you to remove a user completely from your organisation.

3 Attestation ensures only appropriate access; each user who requires access needs to be extended, in 6-month increments. If a user's access expires and is still required, please contact support to reactivate. You will receive email notifications to keep you informed of expiring users.

SECTION 2 – DIP ID Management

1 Create new DIP ID brings up the popup window to create a DIP ID from existing approved Role Codes in the ISD (in Non-production environments). The DIP ID will be taken from ISD if already assigned or calculated automatically following the sequence for that role code.

MSS, ADS, MDR, MDS, LDSO, EES, REGS, UMSO, UMSDS, VAS, SUP, ISD, MSA, LSS, SDS

Create a new DIP ID

Please select the MPID and DIP Role Code combination for you new DIP ID, please note only those you have been market-qualified for are listed and not already loaded into the DIP.

MPID: ASDZ | DIP Role Code: ADS | DIP ID: 1100000018

Request a new DIP Role for an MPID

Cancel Confirm

ELEXON
Data Integration Portal

HOME MARKET PARTICIPANT ORGANISATION AUDIT

Example MPO

You can view your organisation details below. Please ensure that you keep this information accurate and up-to-date.

Request DIP Connection Provider Status

Company Number: 313234 | Role Codes: MSS, ADS, MDR, MDS, LDSO, EES, REGS, UMSO, UMSDS, VAS, SUP, ISD, MSA, LSS, SDS | DCP Status: Disabled

Description: An example non-DCP Market Participant Organisation, to demonstrate functionalities.

Whitelisted Domains: pit.testmp.co.uk, dcpvit.testmp.co.uk, mailinator.com

DIP IDs Members

Create New DIP ID Filter Search

You can view the status of your DIP IDs below. Please ensure that you keep this information accurate and up-to-date.

DIP ID	DIP Role Code	MPID	MP Role Code	DCP Organisation	DCP ID	Effective From Date (MPR)	Effective To Date (MPR)	Actions
1000000018	MSA	ERTY	T	MPO DCP Org	9000000002	2024-08-08	2025-12-31	Edit Delete
1100000017	ADS	ACDS	O	N/A	N/A	2024-01-01	2025-08-01	Edit Delete
1200000022	MSS	ASDF	S	N/A	N/A	2024-01-01	2025-08-06	Edit Delete
1200000042	MSS	MSSS	S	N/A	N/A	2024-10-02	2025-10-02	Edit Delete
1200000047	MSS	MSS1	S	Unassigned	N/A	2025-01-08	9999-12-31	Edit Delete
1400000012	SDS	ASDM	N	N/A	N/A	2024-08-07	2025-12-31	Edit Delete
1400000024	SDS	SLAL	N	N/A	N/A	2024-10-01	2025-11-28	Edit Delete

Showing items 1 - 10 of 21 Show 10 20 50 All

2 DIP IDs at-a-glance, showing key information. Click on the row of a DIP ID to be taken to the detail view.

1 Alternatively, if you tick the 'Request a new DIP Role for an MPID' you may request a new Role Code MPID combination. On submission, you'll see a new entry in the pending DIP ID Approvals table, awaiting a DIP Manager to Approve or Reject.

Request a new qualification

Please select the MPID and DIP Role Code combination you wish to request. A DIP Manager will be notified to approve or reject your request, if approve you will then be able to create a new DIP ID.

MPID: EXMP | DIP Role Code: MSS

Request a new DIP Role for an MPID

Cancel Confirm

Pending DIP ID Approvals

Type	Details	Actions
DIP ID Request	EXMP - MSS	Approve Reject

Showing items 1 - 1 of 1 Show 10 All

Only DIP Admins can approve or reject DIP ID requests

3 Effective To dates are set by the DIP Manager if not present in the ISD, if a DIP ID has an Effective To date in the past, it is no longer active and will not be able to send or receive messages within the DIP.

If you believe a DIP ID is incorrectly dated, please contact support.

SECTION 2 – DIP ID Details

1 The Members listed are those which have access to this specific DIP ID, for example as an MP Message Admin they can configure Webhook URLs for this DIP ID, MP Certificate Admins would be able to generate API keys for it.

If the Offboard option is greyed out, they have been set as 'Members of all DIP IDs' at their profile level.

2 Add Member allows you to explicitly add members who are not 'Members of all DIP IDs' to the DIP ID being viewed.

1 members selected Clear Selection Filter Search

First Name	Last Name	Email ID	Role
Example	User	Example@pit.testmp.co.uk	MP Message Admin

Cancel Add Member(s)

First Name	Last Name	Email	Role	Actions
user	oneseventyseven	user177@pit.testmp.co.uk	MP Certificate Admin	Offboard
Example	User	Example@pit.testmp.co.uk	MP Message Admin	Offboard

Showing items 1 - 8 of 8 Show 10 All

Market Participants > Example MPO > DIP ID 1200000049

DIP ID: 1200000049

Details

Company Number	MPID	Market Participant Role Code	DIP Role Code	DIP ID	Effective From Date (MPR)	Effective To Date (MPR)
313234	EXMP	S	MSS	1200000049	2025-03-04	2026-02-25

Members

First Name	Last Name	Email	Role	Actions
User	OneSixtyTwo	User162@pit.testmp.co.uk	MP Message Admin	Offboard
non	dcp	user103@pit.testmp.co.uk	MP User Admin MP Analytics Reader	Offboard
user	onetwentyfour	user124@pit.testmp.co.uk	MP User Admin	Offboard
user	onetwentytwo	user@pit.testmp.co.uk	MP Message Admin	Offboard
user	onetwentytwo	user122@pit.testmp.co.uk	MP Message Admin	Offboard
user	oneseveneight	user178@pit.testmp.co.uk	MP Message Admin	Offboard
user	oneseventyseven	user177@nit.testmp.co.uk	MP Certificate Admin	Offboard

Showing items 1 - 7 of 7 Show 10 All

3 Nominate DIP Connection Provider allows you to delegate an Organisation and DCP ID to connect to the DIP on your behalf. This allows the DCP to send and receive messages on your behalf, configuring the nominated DCP ID, view sent messages and replay and requeue received messages.

By selecting to Whitelist DCP domains, you can then invite members from the DCP organisation into your own to provide them greater access and control over those with the basic DCP functionality, for example certificate management tasks, API Key generation or setting up pairings or event code subscriptions.

Nominate DIP Connection Provider for DIP ID 1200000049

Market Participant: MPO DCP Org

DCP ID: 900000003

Whitelist DCP's domains?
This will allow you to invite members of the DCP organisation into yours and assign them roles.

Cancel Nominate

Market Participants > Example MPO > DIP ID 1200000049

DIP ID: 1200000049

Details

Company Number	MPID	Market Participant Role Code	DIP Role Code	DIP ID	Effective From Date (MPR)	Effective To Date (MPR)	DIP Connection Provider
313234	EXMP	S	MSS	1200000049	2025-03-04	2026-02-25	MPO DCP Org

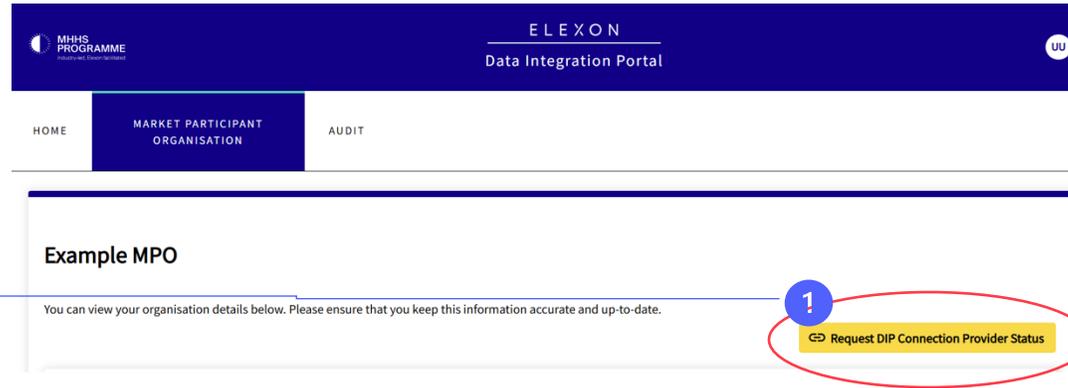
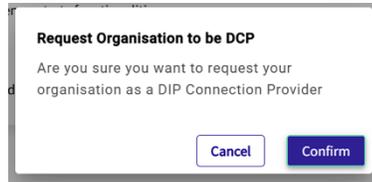
DIP Connection Provider DIP ID: 9000000028

Revoke DIP Connection Provider

You can revoke a DCP at anytime, but if you have invited any of the DCP's members into your own organisation, you will have to offboard them separately.

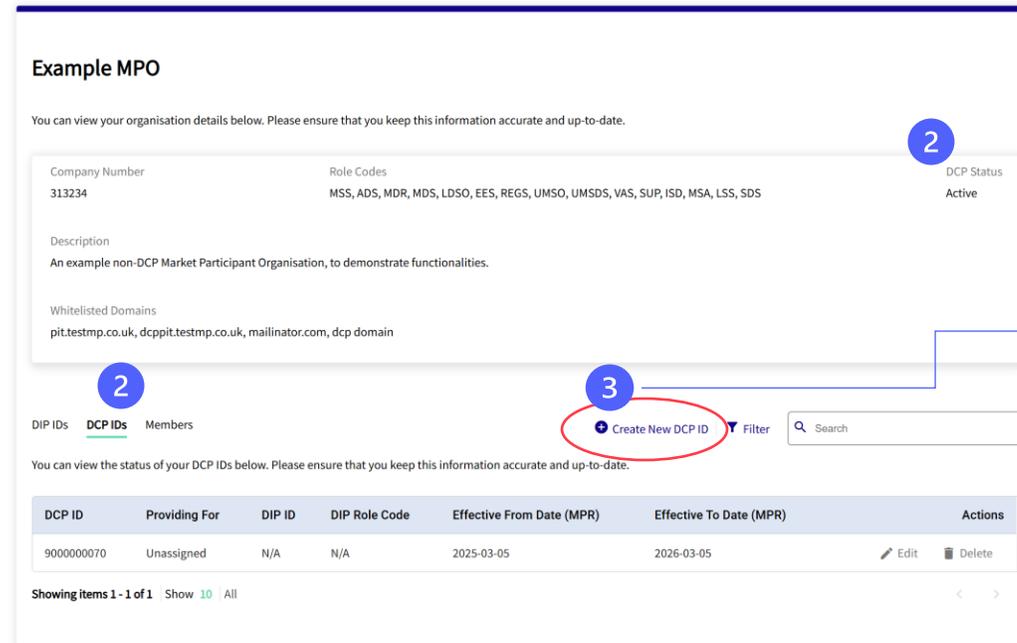
SECTION 2 – DCP ID Management

1 To request to become a DCP, simply click Request DIP Connection Provider Status and then confirm the popup, at which point your DCP status will update to 'Pending' awaiting approval from a DIP Manager.



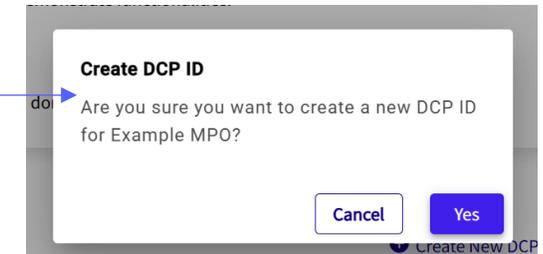
3 Create New DCP ID allows you to create new DCP IDs. Once created they can be shared with an MPO you'd like to provide for so they can nominate the DCP ID. The relationship again, be initiated from the DIP ID.

2 Once approved, your DCP status will be updated to Active and the DCP ID tab will be visible, listing all the DCP IDs for the selected organisation



Once linked to a DIP ID, if for any reason it is revoked, it cannot be used again, and a new one must be created.

DCP IDs are automatically active with one year, once nominated and setup is successful, please contact support to extend the effective to dates.



SECTION 2 – Audit view

1 The Audit view provides a log of all activity performed, by whom and at what time on the selected organisation, between the selected date range.

There are a maximum of 50 records returned in a single query, so if you don't see a particular record you're looking for, try and narrow down the timeframe.

2 The search allows you to search any value in the data model, any user or action. It is especially powerful for finding who made the change by searching the updated value.

The screenshot shows the ELEXON Data Integration Portal interface. At the top, there is a navigation bar with 'HOME', 'MARKET PARTICIPANT ORGANISATION', and 'AUDIT' tabs. Below the navigation bar, there is a search bar and a table of audit records. The table has columns for Name, Changed By, Action Performed, Date And Time, and Actions. The Actions column contains 'Compare' and 'View' links. A 'Confirm' button is visible next to the search bar. A search bar is also present below the table.

Name	Changed By	Action Performed	Date And Time	Actions
Example MPO	user124@pit.testmp.co.uk	DIP Updated	2025-03-05 17:50	Compare View
Example MPO	edward.bowyer@avanade.com	DCP Status Updated	2025-03-05 17:50	Compare View
Example MPO	user124@pit.testmp.co.uk	DCP Status Updated	2025-03-05 17:48	Compare View
Example MPO	user124@pit.testmp.co.uk	User Deleted	2025-03-05 17:31	Compare View
Example MPO	user124@pit.testmp.co.uk	User Deleted	2025-03-05 16:51	Compare View
Example MPO	edward.bowyer@avanade.com	DIP Updated	2025-03-05 16:20	Compare View
Example MPO	edward.bowyer@avanade.com	DIP Updated	2025-03-05 16:09	Compare View

3 The Compare option provides a highlighted view of all properties which have been updated since the last change

```
Comparison Result
timestamp
  Old Value: "2025-03-05T17:50:21.000Z"
  New Value: "2025-03-05T17:50:41.000Z"
marketParticipantDetail.dipParticipants
  Old Value: "9000000070"
  New Value: "9000000070"
marketParticipantDetail.lastChange.changedBy
  Old Value: "edward.bowyer@avanade.com"
  New Value: "user124@pit.testmp.co.uk"
marketParticipantDetail.lastChange.action
  Old Value: "dcpStatusUpdated"
  New Value: "dipUpdated"
marketParticipantDetail.lastChange.timestamp
  Old Value: "1741197018"
  New Value: "1741197037"
```

4 The View option provides a snapshot in time of the entire organisation data model.

```
Raw JSON
{
  id: "383"
  timestamp: "2025-03-05T17:31:54.000Z"
  marketParticipantDetail:
    id: "383"
    version: 15
    name: "Example MPO"
    description: "An example non-DCP Market Participant Organisation, to demonstrate functionalities."
    onboardingStatus: 5
    dcpStatus: 0
    companyId: "313234"
    child_organisations: null
    parent_organisation: null
    deleted: false
    certificatesQuota: 0
}
```

Market Participant Certificate Admin

MP Certificate Admin Actions

This section will describe the following actions available to users with the MP Certificate Admin role:

- Manage API Keys
- Create certificates
- Reissue certificates
- Revoke certificates
- Add a new domain
- Verify a domain
- Reassert an existing domain

SECTION 3 – Generate API Keys

API keys are required to send messages to the DIP, they're assigned at a DIP ID level and can be used across all interfaces for that DIP ID. If a DIP ID uses a DCP ID, the API keys are still generated for the DIP ID.

To generate an API key for a DIP ID, first navigate to the DIP ID detail view, from the MPO view.

- 1 For a new DIP ID, you will have to generate the API keys by pressing the Generate button.

Market Participants > Example MPO > DIP ID 1200000049

DIP ID: 1200000049

Details

Company Number	MPID	Market Participant Role Code	DIP Role Code	DIP ID	Effective From Date (MPR)	Effective To Date (MPR)	DIP Connection Provider
313234	EXMP	S	MSS	1200000049	2025-03-04	2026-02-25	MPO DCP Org

DIP Connection Provider DIP ID
9000000028

This DIP ID has no API Keys generated, please use the button to generate

Market Participants > Example MPO > DIP ID 1200000049

DIP ID: 1200000049

Details

Company Number	MPID	Market Participant Role Code	DIP Role Code	DIP ID	Effective From Date (MPR)	Effective To Date (MPR)	DIP Connection Provider
313234	EXMP	S	MSS	1200000049	2025-03-04	2026-02-25	MPO DCP Org

DIP Connection Provider DIP ID
9000000028

API Keys

Primary Key

Secondary Key

- 2 The Show button unhides the related API key and enables the Copy and Regenerate buttons. Copy will save the API key to your clipboard, while Regenerate creates a new API Key, while invalidating the previous API Key. It is good practice to swap to the Secondary key while regenerating to ensure no loss of service.

API Keys themselves do not expire, but it is recommended they're updated regularly.

All certificate management actions are available from the Certificates tab in the MPO view

1 The Create Certificate button allows you to create a new certificate. During onboarding the initial MP Certificate Admin will have created a certificate and it is a rare scenario that two are required, one example is if you require a separate mTLS certificate to Signing certificate.

There is a quota of 2 certificates per Market Participant Organisation, if you require more please contact support.

Please consult the [E2E Onboarding guide](#) for in-depth guidance on certificate creation.

Example MPO

You can view your organisation details below. Please ensure that you keep this information accurate and up-to-date.

Company Number	Role Codes	DCP Status
313234	MSS, ADS, MDR, MDS, LDSO, EES, REGS, UMSO, UMSDS, VAS, SUP, ISD, MSA, LSS, SDS	Active

Description
An example non-DCP Market Participant Organisation, to demonstrate functionalities.

Whitelisted Domains
pit.testmp.co.uk, dcppit.testmp.co.uk, mailinator.com, dcp domain

DIP IDs DCP IDs **Certificates**

Currently Active Certificates

You can view the status of your current active certificates below. Please ensure that you keep this information accurate and up-to-date.

Certificate Serial Number	Status	Created Date	Expiry Date	Created By	Common Name	Type	Actions
01401C4A241728D285A61281791A8291	ISSUED	2024-11-15	2025-11-15	user124@pit.testmp.co.uk	energydip-dev.383.testmp.co.uk	mTLS & Signing	Reissue Download Revoke

Certificates History

Certificate Serial Number	Status	Created Date	Expiry Date	Created By	Common Name	Type
01157EAB6F7C3A1A763D9C8340690798	EXPIRED	2025-01-18	2025-11-22	user124@pit.testmp.co.uk	energydip-dev.383.company3.testmp.co.uk	mTLS & Signing

Showing items 1 - 1 of 1 Show 10 All

2 Reissue a certificate to generate an alternative serial for the same certificate, for example if you want to setup for separate pieces of hardware to differentiate.

3 Download saves a copy of the certificate securely to your local machine. Please ensure secure practices when sharing or moving the downloaded certificate.

4 Revoke will irreversibly invalidate a serial number, this cannot be undone, so proceed with caution and consult support and/or GlobalSign if unsure.

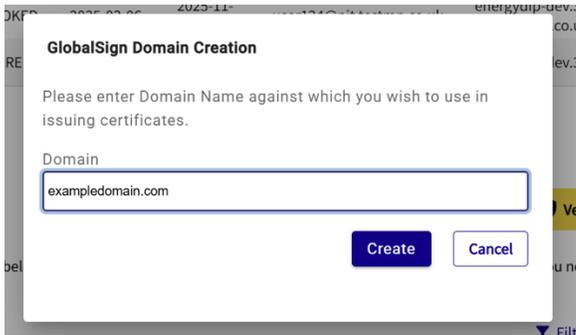
5 Certificate History lists all the revoked or expired certificates. MP Certificate Admins will receive expiration reminder emails when certificates are coming closer to expiration, ensuring they are updated in a timely manor and there is no loss of service.

SECTION 3 – Domain management

All domain management actions are available from the Certificates tab in the MPO view

1 The Domains list shows all the domains the organisation has currently added, Pending means they still need to be verified through the DNS method, while verified means they're available to be used in certificate creation. If a domain is expired, it must be reverified before it can be used in generating new certificates.

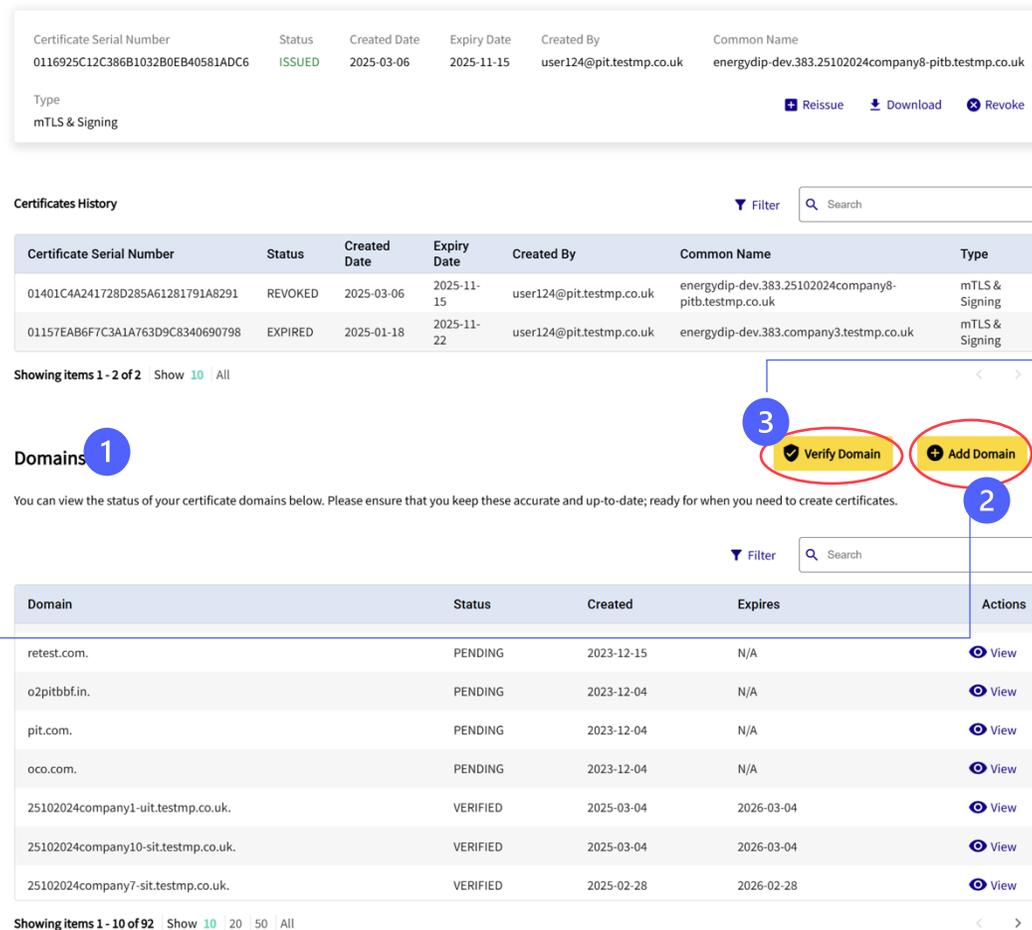
2 Add Domain opens a popup to add a new domain, once added it can then be used in the verification process, see 3.



GlobalSign Domain Creation

Please enter Domain Name against which you wish to use in issuing certificates.

Domain



Certificates History

Certificate Serial Number	Status	Created Date	Expiry Date	Created By	Common Name	Type
0116925C12C386B1032B0EB40581ADC6	ISSUED	2025-03-06	2025-11-15	user124@pit.testmp.co.uk	energydip-dev.383.25102024company8-pitb.testmp.co.uk	mTLS & Signing
01401C4A241728D285A61281791A8291	REVOKED	2025-03-06	2025-11-15	user124@pit.testmp.co.uk	energydip-dev.383.25102024company8-pitb.testmp.co.uk	mTLS & Signing
01157EAB6F7C3A1A763D9C8340690798	EXPIRED	2025-01-18	2025-11-22	user124@pit.testmp.co.uk	energydip-dev.383.25102024company3.testmp.co.uk	mTLS & Signing

Showing items 1 - 2 of 2 Show 10 | All

Domains

You can view the status of your certificate domains below. Please ensure that you keep these accurate and up-to-date; ready for when you need to create certificates.

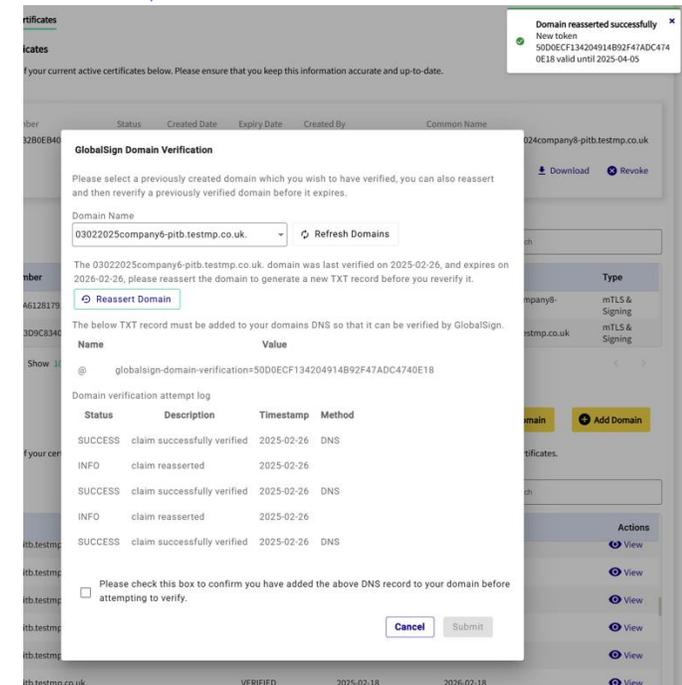
Domain	Status	Created	Expires	Actions
retest.com.	PENDING	2023-12-15	N/A	<input type="button" value="View"/>
o2pitbbfin.	PENDING	2023-12-04	N/A	<input type="button" value="View"/>
pit.com.	PENDING	2023-12-04	N/A	<input type="button" value="View"/>
oco.com.	PENDING	2023-12-04	N/A	<input type="button" value="View"/>
25102024company1-uit.testmp.co.uk.	VERIFIED	2025-03-04	2026-03-04	<input type="button" value="View"/>
25102024company10-sit.testmp.co.uk.	VERIFIED	2025-03-04	2026-03-04	<input type="button" value="View"/>
25102024company7-sit.testmp.co.uk.	VERIFIED	2025-02-28	2026-02-28	<input type="button" value="View"/>

Showing items 1 - 10 of 92 Show 10 | 20 | 50 | All

3 Verify Domain assists with the verification of a new or existing Domain if it has expired.

If you wish to reverify a domain, click the Reassert Domain button, this will generate a new value to update the TXT record with, in the domains DNS setup.

Please see the [E2E Onboarding guide](#) for detailed instructions on domain verification.



GlobalSign Domain Verification

Please select a previously created domain which you wish to have verified, you can also reassert and then reverify a previously verified domain before it expires.

Domain Name

The 03022025company6-pitb.testmp.co.uk. domain was last verified on 2025-02-26, and expires on 2026-02-26, please reassert the domain to generate a new TXT record before you reverify it.

The below TXT record must be added to your domains DNS so that it can be verified by GlobalSign.

Name	Value
@	globalsign-domain-verification=50D0ECF134204914892F47ADC4740E18

Domain verification attempt log

Status	Description	Timestamp	Method
SUCCESS	claim successfully verified	2025-02-26	DNS
INFO	claim reasserted	2025-02-26	
SUCCESS	claim successfully verified	2025-02-26	DNS
INFO	claim reasserted	2025-02-26	
SUCCESS	claim successfully verified	2025-02-26	DNS

Please check this box to confirm you have added the above DNS record to your domain before attempting to verify.

Navigation: Market Participant Message Admin

MP Message Admin Actions

This section will describe the following actions available to users with the MP Message Admin role:

- Configure Webhook URLs
- Configure DIP IDs Event Code subscriptions and pairings
 - Opt Out Preference
 - SDS – MDR pairing
- Replay and Requeue messages
- View message channels and interface schema / data dictionary
- View message transaction logs

SECTION 4 – Webhook URL Configurations

Webhook URLs can either be configured per message channel in the message channel view, or more efficiently in the DIP ID detail view for each interface, which is shown in this example.

It is recommended to configure Webhooks for all messages that apply to your specific market role and then use the opt out of receiving certain event codes, if applicable. This ensures that DIP includes the recipient in the secondary addressing stage; otherwise, the message is not replayable and traceable for the recipient.

Market Participants > Self Messaging > DIP ID 1100000013

DIP ID: 1100000013

[Nominate DIP Connection Provider](#)

Company Number	MPID	Market Participant Role Code	DIP Role Code	DIP ID	Effective From Date (MPR)	Effective To Date (MPR)
24252628	SELF	O	ADS	1100000013	2024-08-01	2025-02-28

Interface Configuration

Please select an interface to configure for this DIP ID

Interface: IF-015 - Configured

Status Configuration

The Status endpoint is where you receive status messages when sending to the DIP, this configuration is shared by all Interfaces

Status URL:

Max Message Count:

Max Payload Size Kb:

Publication Configuration

The Publication endpoint is where you receive messages sent to you from the DIP and is configured specific to each DIP ID

Publication URL:

Max Message Count:

Max Payload Size Kb:

1 The DIP ID details screen allows an MP Message Admin to easily see the configuration status of this DIP ID for each of the interfaces it communicates on through the colour-coded Interface selection drop down.

Interface Configuration

Please select an interface to configure for this DIP ID

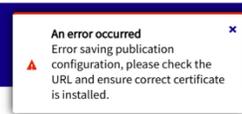
Interface

- IF-015 - Configured
- IF-003 - Configured
- IF-006 - Configured
- IF-008 - Configured
- IF-013 - Configured
- IF-014 - Not configured
- IF-015 - Configured

2 When setting Webhook URLs it is important to first install the correct organisation certificate on the endpoint, as the DIP performs verification before saving a Status or Publication URL.

Each interface has its own Publication configuration, the Status configuration is shared by all interfaces for the viewed DIP ID.

3 As the Status configuration is used by all interfaces this DIP ID sends messages on, take caution when Clearing as will block any status messages being sent until a new configuration is saved.



Some Role Codes can opt-out of receiving certain Event Codes on specific interfaces as defined in DES138. These are configured on the DIP ID detail view by MP Message Admins.

- 1 Not all the Role Codes can opt out of all Event Codes

Opt Out Preferences

Providing the ability to selectively Opt-Out of receiving messages for specific Event Codes on Interface IF-006 for this DIP ID

Select Event code

[MeterInstall]

Event Code	Preference	Time Range	Description
[MeterInstall]	Opt In	N/A	N/A

It is not currently possible to Opt Out of [MeterInstall] on interface IF-006 for MSS DIP IDs.

Market Participants > Example MPO > DIP ID 1500000024

DIP ID: 1500000024

Details

Company Number	MPID	Market Participant Role Code	DIP Role Code	DIP ID	Effective From Date (MPR)	Effective To Date (MPR)	DIP Connection Provider
313234	ASDV	n/a	MDR	1500000024	2024-08-07	2025-08-31	

DIP Connection Provider DIP ID
900000006

Interface Configuration

This DIP ID uses a DCP and cannot be directly configured, please configure through the DCP DIP ID in DIP Connection provider listed above

Please select an interface to opt out of messages

Interface
IF-006

Opt Out Preferences

Providing the ability to selectively Opt-Out of receiving messages for specific Event Codes on Interface IF-006 for this DIP ID

Select Event code

[MeterInstall]

Event Code [MeterInstall]

+ Opt out

- 2 Applicable DIP IDs may opt of out receiving certain Event Codes during the set window.

MDR 1500000024 2024-08-07

Opt out of [MeterInstall]

Opt-Out of receiving messages

Effective From
2025-03-06 18:23

Effective To
2026-03-06 18:23

Cancel Confirm

Event Code [MeterInstall]

Preference	Time Range	Actions
Opt Out	2025-03-07 10:40 - 2026-03-07 10:40	Edit Clear

Please note, only one OFF preference can be saved per Event Code

SECTION 4 – DIP ID SDS – MDR pairing

The Smart Data Services role has the option to nominate independent Meter Data Retrievals Roles to use a standard set of messages (IF-061 Onwards), to interact with different Smart Data Services, without the need for a bespoke integration between each MDR-SDS pairing. Each MDR-SDS pairing can choose to exchange messages directly between themselves or via utilising the DIP. The SDS role as the qualification has the control over setting these pairings and is only available to organisations with a DIP ID of the SDS role. This functionality is optional and will not affect the existing setup of the Webhook. An SDS is allowed to pair with multiple MDR's. Only onboarded and qualified MDRs can be paired with.

- 1 When setting up a pairing, select the MDR to pair to, along with the desired time frame. Once out of the time range, the pairing will no longer be active.

Create participant pairing

Are you sure you want to create the pairing to "Self Messaging - 1500000023" with Role Code "MDR" from this DIP ID?

Existing pairings

Remote DIP ID: 1500000023

Market Participant Organisation: Self Messaging

Role Code: MDR

Effective from: 2025-03-07

Effective to: 2026-03-07

Market Participants > Example MPO > DIP ID 1400000012

DIP ID: 1400000012

Details

Company Number	MPID	Market Participant Role Code	DIP Role Code	DIP ID	Effective From Date (MPR)	Effective To Date (MPR)
313234	ASDM	N	SDS	1400000012	2024-08-07	2025-12-31

DIP Connection Provider DIP Connection Provider DIP ID 9000000034

Interface Configuration

This DIP ID uses a DCP and cannot be directly configured, please configure through the DCP DIP ID in DIP Connection provider listed above

Please select an interface to opt out of messages

Interface

DIP ID Pairings

Use the below form to manage pairings for this DIP ID to MDR participants

Existing pairings 2

This DIP ID is currently not paired to any MDR participants

Create New Pairing

Use the below form to create a new pairing for this DIP ID to a MDR participant

DIP ID

Effective From

1

2

Existing pairings

<p>Remote DIP ID: 1500000023</p> <p>Market Participant Organisation: Self Messaging</p> <p>Role Code: MDR</p> <p>Effective from: 2020-09-15</p> <p>Effective to: 2024-12-22</p> <p style="text-align: right;"><input type="button" value="Remove"/></p>	<p>Remote DIP ID: 1364722164</p> <p>Market Participant Organisation: TestCompanyToday</p> <p>Role Code: MDR</p> <p>Effective from: 2025-03-07</p> <p>Effective to: 2025-04-24</p> <p style="text-align: right;"><input type="button" value="Remove"/></p>	<p>Remote DIP ID: 1500000030</p> <p>Market Participant Organisation: MP Role Org1</p> <p>Role Code: MDR</p> <p>Effective from: 2025-03-07</p> <p>Effective to: 2025-05-31</p> <p style="text-align: right;"><input type="button" value="Remove"/></p>	<p>Remote DIP ID: 1958476288</p> <p>Market Participant Organisation: VAL-007</p> <p>Role Code: MDR</p> <p>Effective from: 2025-03-07</p> <p>Effective to: 2025-06-28</p> <p style="text-align: right;"><input type="button" value="Remove"/></p>
---	---	---	--

Existing pairings effective dates are colour-coded based on the closeness to expiration. If you need to extend a pairing, create a new pairing for the DIP ID with new dates and overwrite the pairing.

There is not limit on the effective dates.

Update participant pairing

Are you sure you want to OVERWRITE the pairing to "Self Messaging - 1500000023" with Role Code "MDR" from this DIP ID?

SECTION 3 – Replay and Requeue messages

The View and Requeue Messages component provides the ability to query for received messages by DIP ID on an interface. Once results are returned, the messages can be viewed in the browser (known as replay) or requeued in which they will be resent to the currently configured Publication configuration. The functionality is available on the DIP ID detail screen, after selecting an interface (as shown) or the message channel detail view, once an organisation and then DIP ID is selected.

- 1 Select the date range to load received messages between. If you select a range which falls out of the environment's retention period, an error message will inform you.

There is a limit of 100 records being returned at a time, so if you don't see the specific record you're searching for, please narrow down your search criteria.

Messages are only be retained for 30 days for Requeue within the Portal.

If older messages are required to be replayed, please use the Requeue API from the Data Dictionary and interface schema portal, desc

Interface Configuration
Please select an interface to configure for this DIP ID
Interface: IF-019 - Configured

Publication Configuration [Edit] [Clear]
The Publication endpoint is where you receive messages sent to you from the DIP and is configured specific to each DIP ID
Publication URL: https://energydip-dev.384.25102024company5-pitb.testmp.co.uk/api/webhook
Max Message Count: 10
Max Payload Size Kb: 1

Opt Out Preferences
Providing the ability to selectively Opt-Out of receiving messages for specific Event Codes on Interface IF-019 for this DIP ID
Select Event code: [Dropdown]

View and Requeue Messages
Please select your criteria to load messages for the selected DIP ID
Date From: 2025-03-16 17:02 [Calendar] Date To: 2025-03-18 17:02 [Calendar] [Confirm]

1

3 [Requeue] [Filter] [Search]

Transaction ID	MPAN	Raw Message Details
<input type="checkbox"/> T-IF-019-2300000018-SUP-20250317-65693C1F82CF3000		View Details
<input type="checkbox"/> T-IF-019-2300000018-SUP-20250317-656944ED7D4F3000		View Details
<input checked="" type="checkbox"/> T-IF-019-2300000018-SUP-20250317-656944F39575B000		View Details
<input checked="" type="checkbox"/> T-IF-019-2300000018-SUP-20250317-656944F5A58F3000		View Details
<input checked="" type="checkbox"/> T-IF-019-2300000018-SUP-20250317-656944F77B75B000		View Details
<input checked="" type="checkbox"/> T-IF-019-2300000018-SUP-20250317-656944F8D88F3000		View Details
<input type="checkbox"/> T-IF-019-2300000018-SUP-20250317-656944FA28B5B000		View Details

Showing items 1 - 10 of 15 Show 10 20 All

- 2 View Details allows you to review the message JSON, including the Common and Custom blocks

```
Raw Message
payload:
  CommonBlock:
    S0:
      interfaceID: "IF-019"
      schemaVersion: "011"
      eventCode: "[LinkedImportExportCreate]"
    S1:
      environmentTag: "PIT"
      subText: "ttt"
      senderUniqueReference: "S-005-03458900823-SUP-20250317-19531164605"
      senderTimestamp: "2025-03-17T17:08:14+00:00"
      senderDIPID: "2300000018"
      senderRoleID: "SUP"
      senderCorrelationID: "CI-BP09-20220401-1234567890123"
      DIPConnectionProviderID: null
  AB: Object { "primaryRecipients": [ ], "secondaryRecipients": [ "2500000000" ] }
```

- 3 Once messages are loaded, they can then be requeued.

The multi-select allows for up to 100 messages to be requeued in one selection.

Requeue Messages

Are you sure you want to requeue the selected (4) messages?

[Cancel] [Yes]

SECTION 4 – Message Channels

The Message channel view provides an overview of all the interfaces currently active and operating within the DIP, the list can be searched and filtered by role. Selecting a channel brings up the message channel detail view.

1 Selecting an organisation will populate the DIP ID dropdown with all the DIP IDs of that organisation which are related to this Interface.

You can then perform all the previously described DIP ID configurations from this screen, for this interface. Helpful if you need to configure multiple DIP IDs for one interface, as opposed to multiple interfaces for a DIP ID in the DIP ID details view

2 Opens the Data Dictionary and interface schema portal.

Message Channel ID	Message Channel Name	Ingress Role Code(s)	Egress Role Code(s)
IF-025	Supplier Updates to Registration	SUP	REGS
IF-032	Supplier Service Provider Appointment Request Response	REGS	SUP
IF-031	Supplier Service Provider Appointment Request	SUP	REGS
REP-004	Supplier Deemed Take Report	VAS	SUP
IF-028	Supplier Consumption Amendment Request Response	ADS, SDS, UMSDS	SUP
IF-027	Supplier Consumption Amendment Request	SUP	SDS, ADS, UMSDS
IF-024	Supplier Advisory Notification to Data Service	SUP	SDS, ADS, UMSDS, MDR

Supplier Consumption Amendment Request

Details

Message Channel Name: Supplier Consumption Amendment Request
Message Channel ID: IF-027
Ingress Role Codes: SUP
Egress Role Codes: SDS, ADS, UMSDS

Description: Request by Supplier for the Data Service to Calculate and Submit a Consumption Amendment

[View Data Dictionary and Interface Schemas](#)

DIP ID selection

Please select a DIP ID to configure the Webhook URLs and view messages relating to this message channel.

Market Participant Organisation: Self Messaging
DIP ID: 1700000000

Webhook Configurations

Configure the relevant destinations the selected DIP ID

Publication Configuration

The Publication endpoint is where you receive messages sent to you from the DIP and is configured specific to each DIP ID

Publication URL: https://ehs.company1.testmp.co.uk/api/webhooks/1700000000

Max Message Count: 1

Max Payload Size Kb: 10000

Submit IF-027 with Event Code ConsumptionAmendment message for validation

Allows a Market Participant to validate a single messages for debugging purposes only

DIP Message Validation Endpoints

Request

POST https://api.pit.energydataintegrationplatform.co.uk/v1/validate/IF-027/ConsumptionAmendment

Request body

application/json

ValidateIF-027ConsumptionAmendmentPostRequest

{ }

Name	Required	Type	Description
IF027_ConsumptionAmend...	true	IF027_ConsumptionAmend...	

default

DEFAULT-JSON

SECTION 4 – Message Tracking

The Messages view provides powerful tracking capabilities around messages your organisation has sent to the DIP. You must select the timeframe to load, with a maximum of 350 complete journal logs loaded at a time, if you don't see the required message, try and narrow your search. The recommendation is to make use of optional parameters of MPAN, DIP ID, Interface, Transaction Id, Sender Unique Reference and Correlation Id. The message tracking facility is near real-time with messages usually appearing in under 5 minutes.

- 1 Hovering over an icon shows a popup with highlighted information about that specific journal entry.

There are 4 main delivery states, **Failed**, **Delivered**, **Retrying** and **Unknown**, which is denoted with a question mark.



Sent Date/Time	Interface	Sender Unique Ref	Transaction Id	Correlation Id	MPAN	Received	DIP	Delivered	Failed Undelivered Details
2025-03-06T11:35:06	IF-036	S-IF-036-2200000000-REGS-20250306-17204105937643504	T-IF-036-2200000000-REGS-20250306-655ACF38DBC76000	CI-20250217-6544BF5A2D08A000				🟢🟢🟢🟢🟢	🔍
2025-03-07T07:10:19	IF-063	S-IF-063-1400000013-SDS-20250307-1734a7772d541f264	T-IF-063-1400000013-SDS-20250307-655BDC34040E6000					🟡🟢🟢🟢	🔍
2025-03-07T08:11:29	IF-006	S-IF-006-2200000000-REGS-20250307-55919fd58fbdde71f	T-IF-006-2200000000-REGS-20250307-655BEA36720E6000	CI-20240215-636B7631F440E000				🟢🟢🟢🟢🟢🟡	🔍
2025-03-07T08:13:00	IF-006	S-IF-006-2200000000-REGS-20250307-a9ff703d82b4bf16	T-IF-006-2200000000-REGS-20250307-655BEA8E784AE000	CI-20240215-636B7631F440E000				🟢🟢🟢🟢🟢🟡	🔍
2025-03-07T08:13:32	IF-020	S-IF-020-2200000000-REGS-20250307-b6c00e2294be96111	T-IF-020-2200000000-REGS-20250307-655BEAAC8D4E6000	CI-20250307-655BEAAC8C8E6000				🟢🟢🟢🟢🟢	🔍
2025-03-07T08:13:52	IF-020	S-IF-020-2200000000-REGS-20250307-610fdb25243b84a5f	T-IF-020-2200000000-REGS-20250307-655BEABF898AE000	CI-20250307-655BEABF898AE000				🟢🟢🟢🟢🟢	🔍

- 2 The Details button opens the raw JSON popup listing all the stored details in the journal logs for in-depth investigations and troubleshooting support.

SECTION 4 – Message Tracking continued

The table below is a guide to the columns returned within the result records search

Response Record Data Item	Description	Expected Results	Notes
Sent Date/Time Interface Sender Unique Ref Transaction ID Correlation ID MPAN	Replay of the original details contained within the IF Message		
Received	Message has been received by the DIP	Green Tick confirms Success Red Cross confirms Exception	
DIP	Message has been processed by the DIP	Green Tick confirms Success Red Cross confirms Exception	
Delivered	Message has been delivered to the recipient	Green Tick confirms Success Red Cross confirms Exception Yellow Retry confirms Retrying Blue Question mark confirms Unknown	Moving the cursor over the tick or cross will present a pop-up information box containing summary data relating to the message and its delivery to each recipient (including the messages EventCode)
Failed	The messages that have failed to be delivered	Search results display the DIP ID for each Participant where delivery failed. Null, one or many.	Number of DIP Participant IDs displayed should match the number of crosses in the previous 'Delivered' column
Details	Click on the PLAY icon to open new pop-up screen displaying additional information relating to DIP processing of the message	Data should exist for all messages	Scrolling down, across and back up within this pop-up screen is possible to view all information <ul style="list-style-type: none"> Information will be useful to support triage of any issues

Market Participant Analytics Reader

MP Analytics Reader Actions

This section will describe the following actions available to users with the MP Analytics Reader role:

- View performance reports

SECTION 5 – Performance Reports

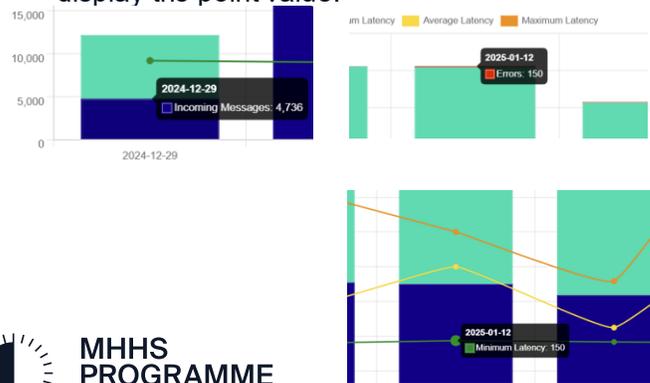
The Performance View provides reports on the Internal and MPO performance of interactions with the DIP, Displaying the volume of incoming and outgoing transactions, any DIP failures (internal errors) or recipient failures (errors in incoming, schema and addressing) on the left Y axis, against the latency in Milliseconds on the right Y axis.

- 1 Select the organisation you wish to view performance reports. **All organisations you have the MP Analytics role for will be listed.**

Choose which **Period** to view, each period has a limited timeframe, for example the **Monthly** period allows **up to a year** whereas **Hourly** only the last **24 hours**.

Latency type is the last minimum required parameter. **DIP Latency** refers to the time between initial receiving of a message and the addressing. **Recipient** latency includes the DIP latency in addition to the time taken for response from the recipients of the represented messages. It is important to note message **retries** and those sent again through the **Dead Letter Queue** are included in latency values.

Each data point on the graph can be hovered to display the point value.



- 2 **Additional Parameters** allow you to refine the search criteria to generate more specific performance reports, for example one or more interfaces. Once updating any search parameter, you need to press confirm to reload the report.
- 3 These reports can be refined even further by clicking on each legend item to enable or disable it, for example this chart showing recipient failure count against maximum latency.



- 4 Below the chart are helper functions, **Compare Latency** draws a purple latency line for All Organisations averaged on the graph, for comparison. The export functions allow publication of the report in various formats. Raw chart data in JSON form, copy the chart to clipboard or even saved to a PDF document.

FAQs

1) Access Issues:

Question: How can I resolve access issues for the DIP Portal?

Answer: Ensure that the user account is active and has the correct roles assigned. For example, in the SITB environment, certain features like Members and Certificates are disabled and managed in the SIT environment. If facing MFA errors, clear the browser cache and reset the MFA. Please contact support if your errors persist.

2) Certificate Creation:

Question: How do I create certificates within the DIP Portal?

Answer: Navigate to the Certificates Tab in MPO Detail view with the MP Certificate Admin role, When generating a certificate, select the domain name from the dropdown, and the subject name should be populated based on the selected items. Enter your CSR and select certificate type and click Create. Any validation errors with your CSR should be displayed. Please consult the E2E Onboarding guide for more detailed certificate creation guidance.

3) Environment-Specific Queries:

Question: What are the differences between various environments like SIT, PIT, and UIT?

Answer: Different environments have specific configurations and purposes. For instance, in SITB, certain features are disabled, and the teal-colored banner helps differentiate it from other environments. Additionally, access roles and permissions may vary across environments.

4) User Role Management:

Question: How do I manage user roles and permissions in the DIP Portal?

Answer: User roles and permissions can be managed through the portal, in the Members tab of the MPO detail page, see section 2 – Member management. Notifications about changes to user access and roles are sent via email, and administrators can review and extend user access as needed.

5) Onboarding Process:

Question: What is the process for onboarding new users to the DIP Portal?

Answer: The onboarding process involves initial checks, followed by validation and digital certificate exchange. Users receive invitations and links to commence the second phase of onboarding.

6) Message Tracking:

Question: How can I track messages in the DIP Portal?

Answer: Sent messages are tracked in the messages View. Message tracking is not designed to provide counts of transactions. It operates on top of an analytical store, and any query executed will only retrieve up to the most recent 350 Messages based on the specified search criteria. See section 4 – Message tracking for more details.

7) DCP Status:

Question: My DCP status is stuck in Pending, what should I do?

Answer: Please contact support as a DIP Admin will need to approve your application.

8) DCP Nomination:

Question: How do I nominate my DCP, I don't see mine in the list?

Answer: Only DCPs with un-allocated DCP DIP IDs are listed. Please ask your DCP to create a new DCP DIP ID. These have a one-to-one mapping and once they've been nominated, they cannot be reused.

9) Invitation Link:

Question: I haven't received my invitation link yet, what should I do?

Answer: It was possibly blocked by spam. If invited, you can log in at the provided URL with the invited account to the same effect.

10) Role Reflection:

Question: As an MP User Admin, I have assigned myself more additional roles, yet cannot see them reflected in the portal. What should I do?

Answer: You must log out and clear local storage in the browser to force a refreshed token with your new roles assigned.

11) Certificate for DCP with Wildcard URL:

Question: What are the steps to raise a certificate for a DCP with a wildcard URL?

Answer: A DCP with a wildcard URL can raise a certificate by following the same steps as a DIP with a single URL. The only difference is that the DCP needs to enter the wildcard URL in the domain field of the certificate tab in the DIP portal.

12) Roles, DIP IDs, and Certificates:

Question: How many roles, DIP IDs, and certificates can a company have?

Answer: A company can have as many roles as in the ISD data, which defines the market participants and their relationships. If a company requires more roles, they can request them in the portal, detailed in section 2 – DIP ID Management.

Support and Contact Information

If you are still facing issues, please raise a Service Now ticket from the Home view

MHHS PROGRAMME
Industry-led, Elexon facilitated

ELEXON
Data Integration Portal

UU

HOME MARKET PARTICIPANT ORGANISATION MESSAGE CHANNELS MESSAGES AUDIT

Elexon MHHS Data Integration Platform (DIP) Portal

Welcome to the Data Integration Platform (DIP) Portal. The portal gives users access to the administrative tasks that will set-up their organisation within the DIP including the configuration of message channels for the sending and receipt of messages. In addition, the portal provides facilities for message tracking along with performance and audit reporting.

Recent message channels [View All](#)

No message channels viewed yet.

Quick Links

Explore tutorials, articles and help

[Click here for the DIP Portal User Guide](#)

[Click here for the DIP Onboarding User Guide](#)

Support

[Raise a service request](#)

Alternatively,

If you'd like to raise a defect, please email the Testing team at Testing@mhhsprogramme.co.uk

If you have a DIP-specific request, please email the DIP team at DIP@mhhsprogramme.co.uk

Or contact the Support team at support@Energydataintegrationplatform.co.uk