

Data Integration Platform (DIP) – Portal User Guide

Public

Document owner
Elexon

Document number
DIP-D26

Date
6 October 2025

Document status
Public

Contents

Section 1 - User Roles and Permissions

Section 2 - Navigation: All DIP Users Roles

Section 3 - DIP User Admin

Section 4 - DIP users Certificate Admin

Section 5 - Navigation: DIP Users Message Admin

Section 6 - DIP Users Analytics Reader

Section 7 - FAQs

Section 8 - Support and Contact Information

Change Record

	Author	Version	Change details
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
6/10/2025	James Stokes	V0.5	Transferred to Elexon template

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) is 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 roles 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.

Data Integration Platform (DIP) –Portal User Guide

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 with the onboarding onto the DIP.

The following table provides an 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 DIP Users Roles

Preparation

Before accessing the DIP Portal:

1. **All organisations 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

Data Integration Platform (DIP) –Portal User Guide

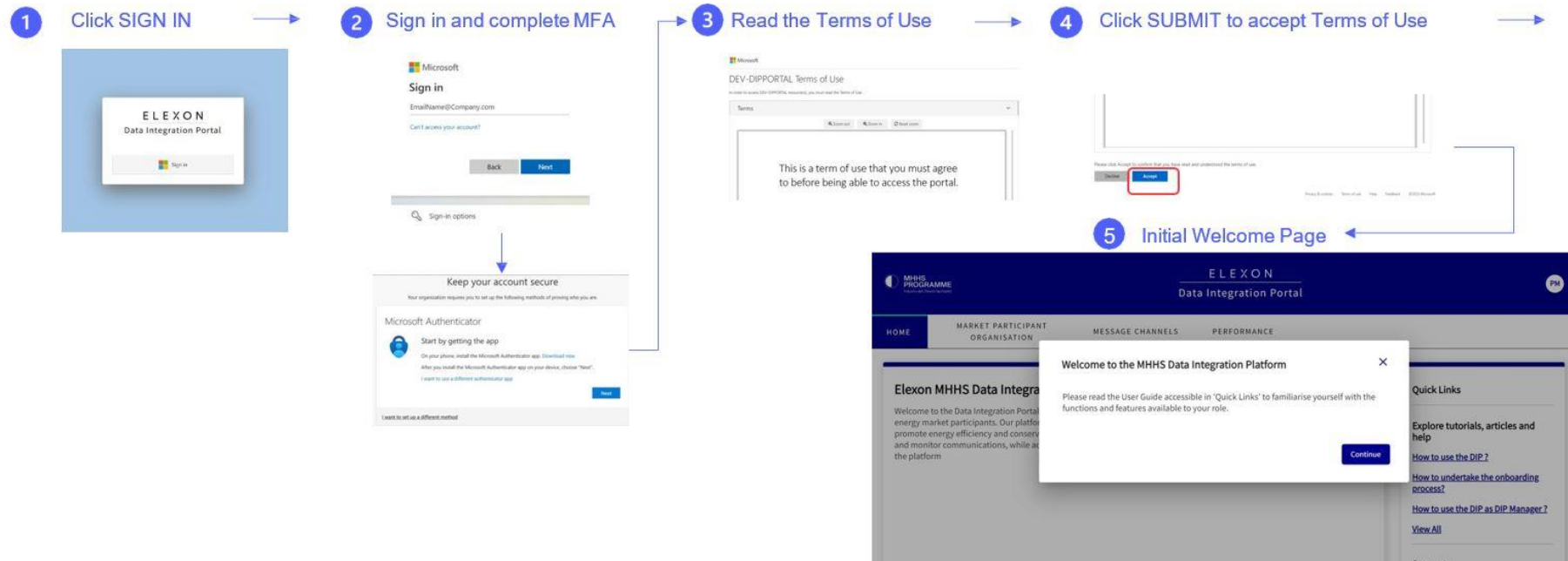
The initial Sign-in to the DIP

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



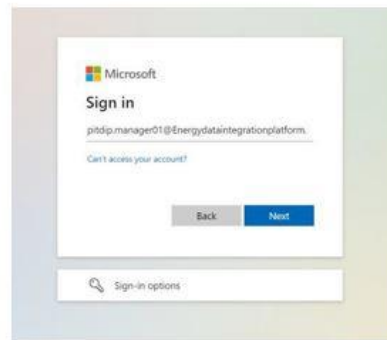
Future logins

To log in to the DIP: Complete steps 1-4 of the setup

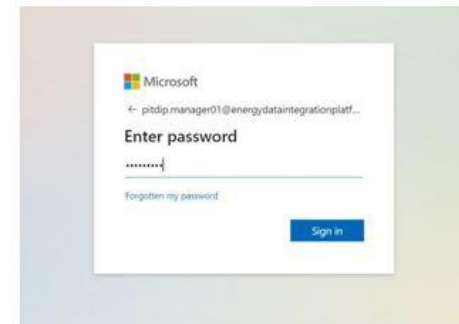
1 Click SIGN IN



2 Sign in with your email



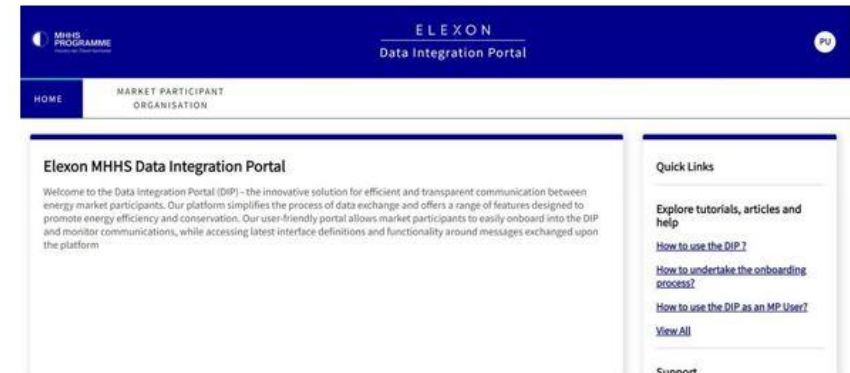
3 Enter your password



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

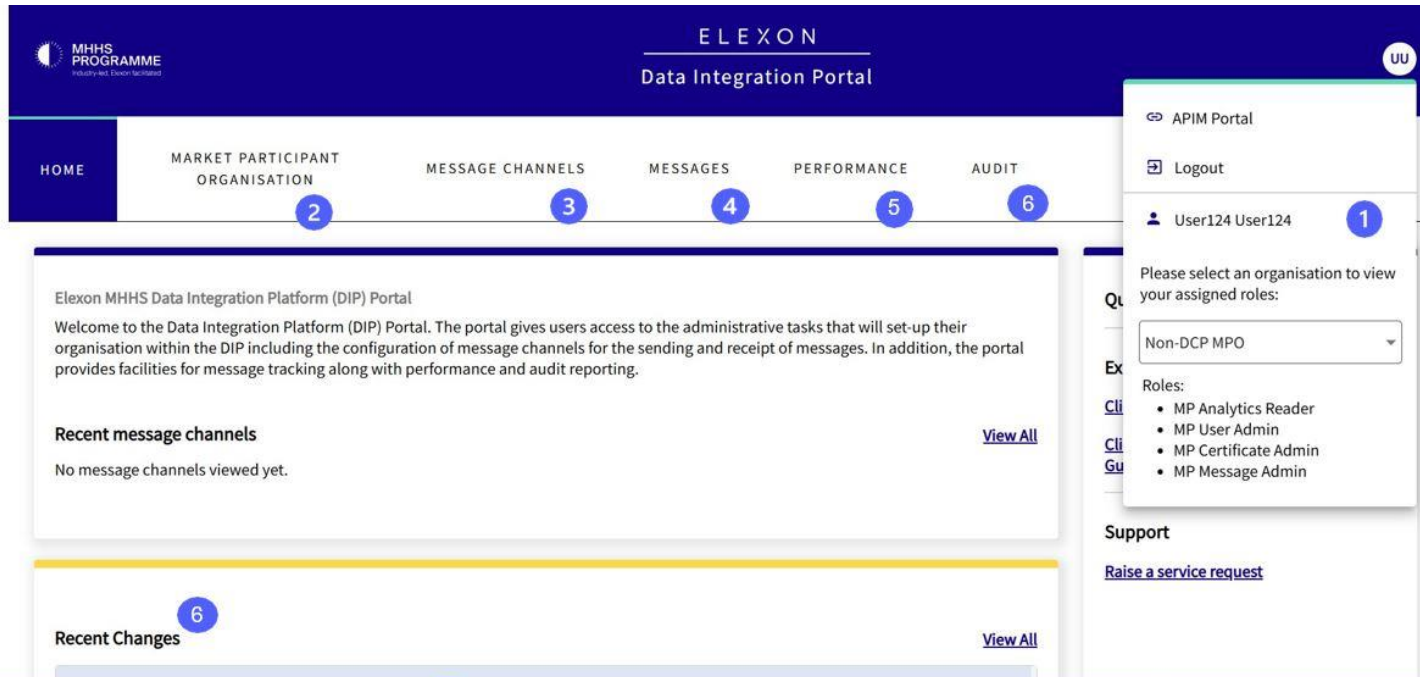


5 Home Page



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 <u>Organisation</u>. 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.
--	--	--	--	--	---

DIP User Admin

MP UserAdmin 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

DIP User 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 house 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.

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

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

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.

Data Integration Platform (DIP) –Portal User Guide

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 misconfigurations in your Umbrella Organisation or would like to be set up, please contact Elexon 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.testmp.co.uk](#)
[Child Organisation](#)
[MPO Child1](#)
[MPO Child2](#)

1

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
1201987992	MDS	GHGJ	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.testmp.co.uk](#)
[Umbrella Organisation](#)
[Example Umbrella Organisation](#)

2

DIP IDs Members [Create Member](#) [Filter](#)

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	omeuser	user61@pit.testmp.co.uk	MP User Admin	2025-06-26	Edit Extend Offboard
Sixty	user	user60@pit.testmp.co.uk	MP Analytics Reader	2025-06-27	Edit Extend Offboard
User	thirtyeight	user38@pit.testmp.co.uk	MP User Admin	2025-12-19	Edit Extend Offboard
User	fortysix	user46@pit.testmp.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.

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	oneseveight	user178@pit.testmp.co.uk	MP Message Admin	2025-07-09	Edit Extend Offboard

- 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.

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

DIP ID Management

1 Creating 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.

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

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	MSS5	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

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.

Type	Details	Actions
DIP ID Request	EXMP - MSS	Approve Reject

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.

DIP ID Details

1 The members listed are those who 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.

Add Users to DIP ID
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)

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	onepventyseven	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, viewing sent messages and replaying and requeuing received messages.

By selecting 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
90000000

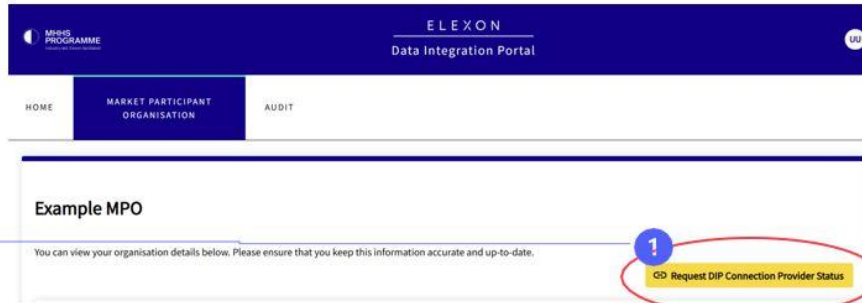
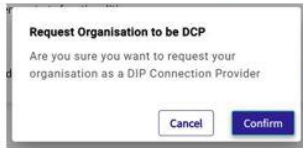
Whitelist DCP's domains?
This will allow you to invite members of the DCP organisation into yours and assign them roles

Cancel Nominate

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.

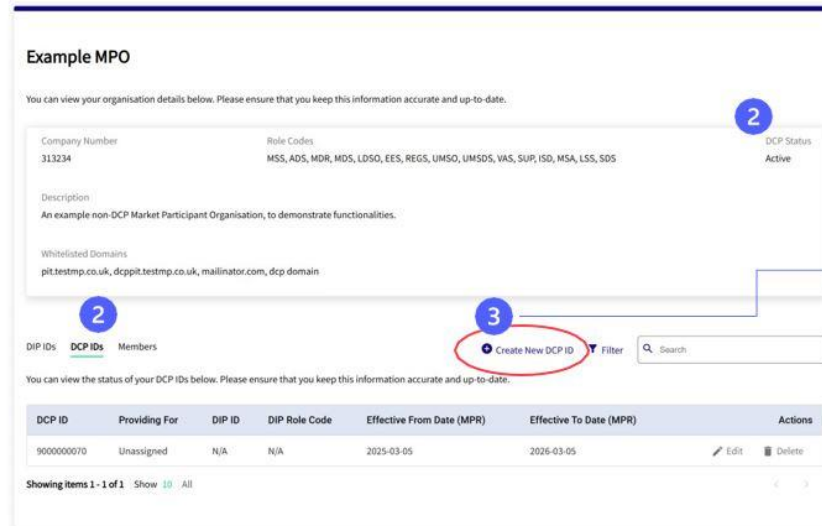
DIP ID Management

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.



Audit Review

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

2 The search allows you to search for 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.

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

```

Comparison Result
Timestamp: "2025-03-05T17:58:21.000Z"
Old Value: "2025-03-05T17:58:41.000Z"
New Value: "2025-03-05T17:58:41.000Z"
marketParticipantDetail.dipParticipants:
Old Value: "5900000978"
New Value: "5900000978"
marketParticipantDetail.lastChange.changedBy:
Old Value: "edward.bowyer@avanade.com"
New Value: "edward.bowyer@avanade.com"
marketParticipantDetail.lastChange.action:
Old Value: "dcpStatusUpdated"
New Value: "dcpStatusUpdated"
marketParticipantDetail.lastChange.timestamp:
Old Value: "1746197618"
New Value: "1746197697"
    
```

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
  }
}
    
```

DIP User Certificate Admin

MP Certificate Admin Actions

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

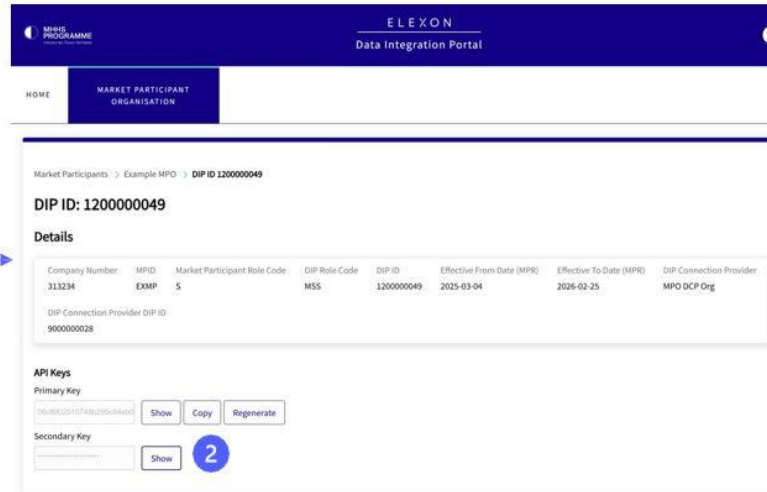
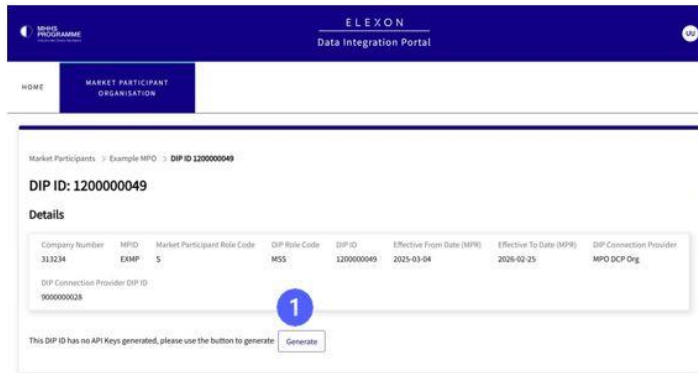
- Manage API Keys
- Create certificates
- Reissue certificates
- Revoke certificates
- Add a new domain
- Verify a domain
- Reassert an existing domain

Generate API Key

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.



- 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.

Certificate Management

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 the 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, UMSOS, VAS, SUP, ISO, MSA, LSS, SDS	Active

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

Whitelisted Domains
pit.testmp.co.uk, dcp.pit.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
01401C4A241728D285461281791A8291	ISSUED	2024-11-15	2025-11-15	user124@pit.testmp.co.uk	energydip-25102024co	sb.testmp	Reissue Download Revoke

Certificates History

Certificate Serial Number	Status	Created Date	Expiry Date	Created By	Common Name	Type
01157EAD6F7C3A1A763D9C8340690798	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 set up separate pieces of hardware to differentiate.
- 3 Download saves a copy of the certificate securely to your local machine. Please ensure secure practice 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.

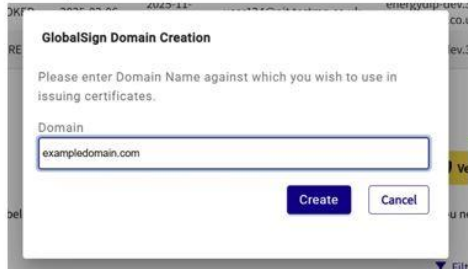
- 5 Certificate History lists all the revoked or expired certificates. MP Certificate Admins will receive expiration reminder emails when certificates are coming closer to expiration, ensuring they are updated in a timely manner and there is no loss of service.

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 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.



1 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	View
o2pitbbfin.	PENDING	2023-12-04	N/A	View
pit.com.	PENDING	2023-12-04	N/A	View
oco.com.	PENDING	2023-12-04	N/A	View
25102024company1-sit.testmp.co.uk.	VERIFIED	2025-03-04	2026-03-04	View
25102024company10-sit.testmp.co.uk.	VERIFIED	2025-03-04	2026-03-04	View
25102024company7-sit.testmp.co.uk.	VERIFIED	2025-02-28	2026-02-28	View

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

If you want 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+5000ECF1342D4814B92F47ADC4740E18

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.

Domain reasserted successfully
New token: 5000ECF1342D4814B92F47ADC4740E18
URL valid until: 2025-04-09

Navigation: Market Participant Message Admin

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

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 repayable and traceable for the recipient.

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.

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.

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

Warning: An error occurred. Error saving publication configuration, please check the URL and ensure correct certificate is installed.

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

DIP ID Event Code subscription

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

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

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

DIP Connection Provider DIP ID: 9000000006

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	Preference	Time Range	Description
[Meterinstall]	Opt out	2025-03-06 18:23 - 2026-03-06 18:23	

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

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:

Effective To:

1

Existing pairings 2

Remote DIP ID: 1500000023 Market Participant Organisation: Self Messaging Role Code: MDR Effective from: 2020-09-15 Effective to: 2024-12-31	Remote DIP ID: 1364722164 Market Participant Organisation: TestCompanyToday Role Code: MDR Effective from: 2025-03-07 Effective to: 2025-09-24	Remote DIP ID: 1500000030 Market Participant Organisation: MP Role Org1 Role Code: MDR Effective from: 2025-03-07 Effective to: 2025-06-15	Remote DIP ID: 1958476288 Market Participant Organisation: VAL-087 Role Code: MDR Effective from: 2025-03-07 Effective to: 2025-06-28
--	--	--	---

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?

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

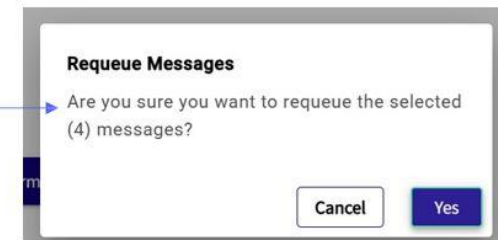


- 2 View Details allows you to review the message JSON, including the Common and Custom blocks



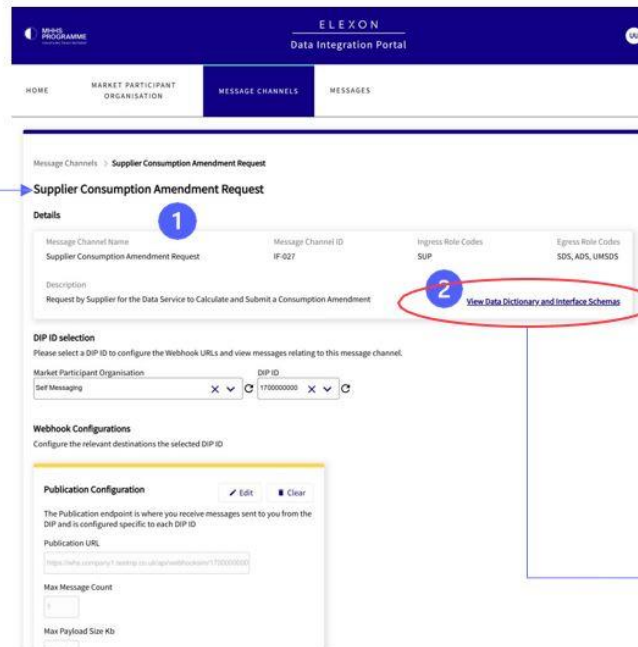
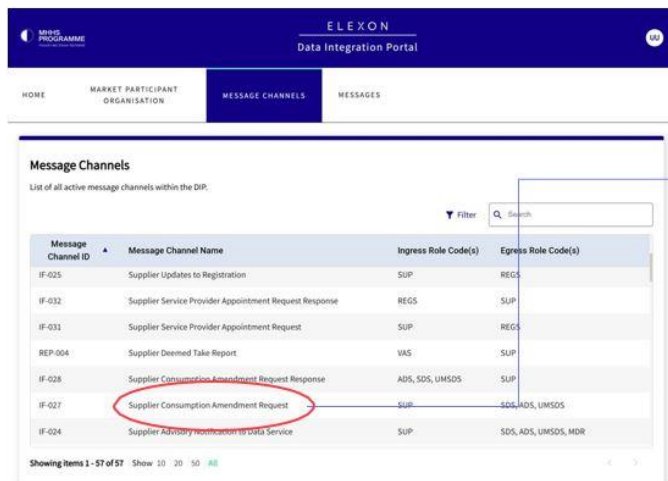
- 3 Once messages are loaded, they can then be requeued.

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



Message Channels

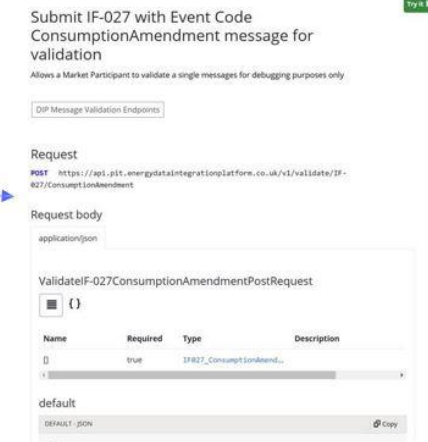
The Message channel view provides an overview of all the interfaces currently active and operating within the DIP, the list can be searched and filtered by role. Selecting a channel brings up the message channel detail view.



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 Tracking

1 Hovering over an icon shows a pop-up 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.



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.

Data Integration Platform (DIP) –Portal User Guide

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 Yellow Retry confirms Retrying	
Delivered	Message has been delivered to the recipient	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 a 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

Performance Reports

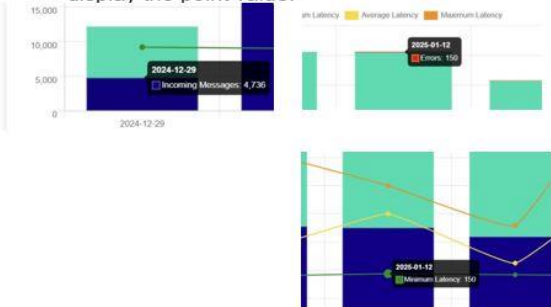
The Performance View provides reports on the Internal and MPO performance of interactions with the DIP, displaying the volume of incoming and outgoing transactions, any DIP failures (internal errors) or recipient failures (errors in incoming, schema and addressing) on the left Y axis, against the latency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

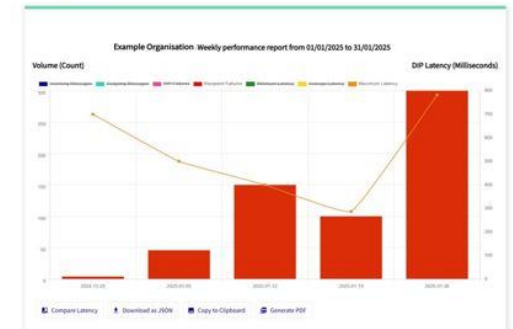
Latency type is the last minimum required parameter. **DIP Latency** refers to the time between initial receiving of a message and the addressing. **Recipient** latency includes the DIP latency in addition to the time taken for response from the recipients of the represented messages. It is important 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 the clipboard or even save 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 the 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?

Data Integration Platform (DIP) –Portal User Guide

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 unallocated 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, as 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.

The screenshot shows the Elexon Data Integration Portal home page. The header is dark blue with the MHHS Programme logo on the left, the ELEXON logo in the center, and a user profile icon (UU) on the right. Below the header is a navigation menu with 'HOME' highlighted in dark blue, and other options: 'MARKET PARTICIPANT ORGANISATION', 'MESSAGE CHANNELS', 'MESSAGES', and 'AUDIT'. The main content area is divided into two columns. The left column contains a welcome message, a 'Recent message channels' section with 'No message channels viewed yet.' and a 'View All' link, and a yellow horizontal bar. The right column contains 'Quick Links' with two links: 'Click here for the DIP Portal User Guide' and 'Click here for the DIP Onboarding User Guide', and a 'Support' section with a link 'Raise a service request'.

Alternatively,

If you'd like to raise a defect, please email the Testing team at [Elexon Support](#)

If you have a DIP-specific request, please email the DIP team at [Elexon Support](#)