



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

MHHS Data Integration Platform (DIP) - Webhook URL Configuration Guide

Document owner
Avanade

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V1.1

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1.1 UPDATES TO ONBOARDING

I	Author	Version	Change Detail
31/10/2023	Dolapo Adeyemi	V1.0	Baseline approved
24/11/2023	Dolapo Adeyemi	V1.1	Included FAQs

This Webhook URL Configuration guide is published for the CIT phase of the MHHS Programme - this is subject to update and change for future phases / enduring / BAU and will be re-published in line with any updates.

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)

High Level Scope Statement

- The overall scope of the project is the design, build, test, implementation (DBTi) and operation (Run) of the DIP
- The initial phase of work will deliver the design, build and pre-integration testing (PIT) of the DIP application platform including the logical and physical infrastructure, application designs and supporting environments
- The subsequent phase of work will focus on support for further phases of testing, readiness for Go Live and the delivery of Operational Services

Purpose of the Webhook URL Configuration Guide

- This guide is the section of the Portal User Guide that is required for setting up your endpoint URLs within Component Integration Testing (CIT).
- Some of the steps outlined here may not be the same as what will be encountered in the Production Environment.
- A complete Portal User Guide will be published in the future to 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

1.1 Introduction

Welcome to the Data Integration Platform (DIP) Webhook URL Configuration Guide for Market Participants! This guide is designed to empower you with the knowledge and tools you need to navigate and utilize the DIP portal effectively.

The DIP portal serves as the gateway to a world of 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 step-by-step instructions, tips, and best practices to make the most of this powerful platform. Inside these pages, you will discover how to configure your error and egress URLs following your onboarding and certificate generation.

1.2 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 .

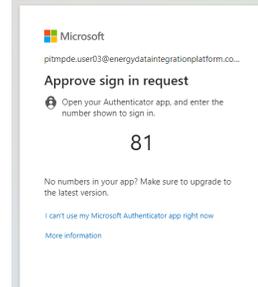
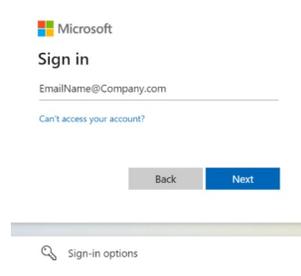
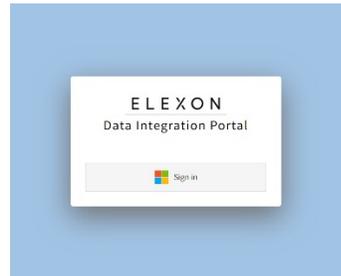
Section	User Role	Description
1	User Admin	The User Admin is the person who will receive the invitation from the DIP Team to join the DIP. The User Admin role, when assigned to any member, provides the functions to add other DIP Members after the onboarding is completed.
2	Certificate Admin	The Certificate Admin will be the person who will be invited by the User Admin to commence the Certificate Registration process. The first Cert Admin can be anyone given responsibility to complete the GlobalSign verification and completion of the certificate upload.
3	Message Admin	Will have the control and ownership of all activities relating to message processing, replay and management.
4	Analytics Reader	Will only have access to review the analytics dashboard.

How to Add/Edit DIP Members

User Admin Management of User Roles

The User Admin will 'Sign In' to the DIP and add new members (users). It is advised that a Message Admin is added as a first task.

- 1 Click SIGN IN
- 2 Sign in with email/password
- 3 Complete MFA
- 4 Review the Members list



The screenshot shows the ELEXON Data Integration Portal 'Members' page for 'Energy Demo Ltd'. It includes a table with member details and a 'Nominate DIP Connection Provider' button.

Company Type	Company Number	Role Codes	DIP Connection Provider
None set	1234567	None Set	None set
Description Our company			

First Name	Last Name	Email ID	Role	Role Codes	Actions
David	Gardiner	pitmpde.user03@Energydataintegrationplatform.co.uk	MP User Admin		Edit Offboard
David	Gardiner	pitmpde.certificate03@Energydataintegrationplatform.co.uk	MP Certificate Admin		Edit Offboard

Adding New Members to the DIP

Adding the Message Admin and Additional Users

The User Admin should sign in, access the Members tab in Market Participants, and create the **Message Admin** using 'Create Member':

1 Click 'Create Member' in the Members tab

First Name	Last Name	Email ID	Role	Role Codes	Actions
David	Gardiner	pitmpde.user03@Energydataintegrationplatform.co.uk	MP User Admin		Edit Offboard
David	Gardiner	pitmpde.certificate03@Energydataintegrationplatform.co.uk	MP Certificate Admin		Edit Offboard

2 Add **First Name**, **LAST Name** and a valid **Email Address**

Click **drop-down** to see available roles

Select 'MP Message Admin'

Create New User Profile

First Name

Last Name

Email Address

Select Organisation Role

- Select All
- MP Message Admin
- MP Certificate Admin
- MP Analytics Reader
- MP User Admin

3 Click 'Confirm' to send the invitation

Select Organisation Role

This field is required

[Cancel](#) [Confirm](#)

4 **Recommended Action:**

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.

To **Edit** a members role, click the Edit button against that members name.

Configuring Webhook URLs in CIT

Viewing Message Channels

To view your message channels, you can either select “View All” on the home page...

ELEXON
Data Integration Portal

HOME MARKET PARTICIPANT ORGANISATION MESSAGE CHANNELS

Elexon MHHS Data Integration Portal

Welcome to the Data Integration Portal (DIP) - the innovative solution for efficient and transparent communication between energy market participants. Our platform simplifies the process of data exchange and offers a range of features designed to promote energy efficiency and conservation. Our user-friendly portal allows market participants to easily onboard into the DIP and monitor communications, while accessing latest interface definitions and functionality around messages exchanged upon the platform

Recent message channels
No message channels viewed yet. [View All](#)

Quick Links

Explore tutorials, articles and help

- [How to use the DIP?](#)
- [How to undertake the onboarding process?](#)
- [How to use the DIP as an MP Message Admin?](#)
- [View All](#)

Support

...or click the “Message Channels” tab from the navigation bar

ELEXON
Data Integration Portal

HOME MARKET PARTICIPANT ORGANISATION **MESSAGE CHANNELS**

Message Channels

All Filter

Message Channel Name ▼	Message Channel ID	Ingress Role Code(s)	Egress Role Code(s)
Change of Energisation Status	IF-007	MSS, MSA, UMS	SUP, REGS
Comms Hub Information (Optional)	IF-004	MSS, SUP	SUP, MSS
Customer Direct Contract Advisory	IF-038	MSA, MSS, UMS, ADS, SDS, UDS	REGS
Customer Direct Contract Advisory Response	IF-039	REGS	REGS, MSS, MSA, UMS, SDS, ADS, UMS, SUP

Setting up Error/Egress URLs (1)

Your Error URL is used to receive error messages when sending, for example if not successfully delivered. Your Egress URL is where you receive messages. These will need to be configured for each message channel and DIP ID.

- 1 Go to the “[Message Channels](#)” page and click the “[Message Channel ID](#)” or “[Message Channel Name](#)” for which you want to set up webhook URLs. In this case, we’ve selected IF-13 by typing “13” in the search bar.

HOME MARKET PARTICIPANT ORGANISATION MESSAGE CHANNELS

Message Channels

All Filter

Message Channel Name ▲	Message Channel ID	Ingress Role Code(s)	Egress Role Code(s)
Market-wide Data Service (MDS)	IF-013	MDS	SUP, SDS, ADS, UMSDS, LDSO

Showing items 1 - 1 of 1 Show 10 All

For the purpose of CIT, you will not be required to create DIP IDs. Your DIP IDs will be set up for you once you’re onboarded and will be listed under the DIP IDs tab on your Organisation’s detail page.

Company Number: 334356
Role Codes: ISO, ADS
DCP Status: Disabled
Description: Providing connection for other market participants
Whitelisted Domains: energydataintegrationplatform.co.uk

DIP IDs Members Certificates 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	Effective From Date (MPR)	Effective To Date (MPR)	Actions
1535232473	ADS	NEW	O	2023-11-02	2024-11-02	Edit Delete

- 2 Select a “[Market Participant Organisation](#)” and a “[DIP ID](#)” from the dropdown boxes. Once you select your DIP ID, settings for “[Webhook URLs](#)” and “[Messages](#)” will appear

HOME MARKET PARTICIPANT ORGANISATION MESSAGE CHANNELS

Message Channels > Supplier Service Provider Appointment Request

Supplier Service Provider Appointment Request

Details

Message Channel Name	Message Channel ID	Ingress Role Codes	Egress Role Codes
Supplier Service Provider Appointment Request	IF-031	SUP	REGS

Description: Initial request from Supplier to Registration Service to Appoint a Service Provider, either Metering Service or Data Service. [View Data Dictionary](#)

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

Market Participant Organisation: Eds DCP Company
DIP ID: 1501971992

Receive confirmation of URL set-up

- 4 Once submitting a valid URL, a confirmation will pop up on the top-right corner of your screen

The screenshot shows the 'Market Participant Message Admin' interface. At the top, there is a 'Description' field with the text 'Data Services - Smart Data Service (SDS) / Advanced Data Service (ADS) / UMSDS / Supplier / LDSO'. Below this is the 'DIP ID selection' section, which includes a 'Market Participant Organisation' dropdown menu set to 'Another Super Energy Co' and a 'DIP ID' dropdown menu set to '1643672047'. The 'Webhook URLs' section is titled 'Configure the relevant destinations the selected DIP ID' and contains an 'Egress URL' field with the value 'https://dipingest-hxt2-sup' and an 'Edit' button. A green success message 'Egress URL saved successfully' is displayed in the top right corner. At the bottom, there is a 'Messages' section with a red overlay that says 'IGNORE THIS'. The 'Messages' section includes 'Date From' and 'Date To' fields with values '2023-10-28 09:03' and '2023-10-29 08:03' respectively, and a 'Confirm' button.

A green success message in the top right will confirm the URL is saved successfully. Congratulations!

If this particular IF has both Error and Egress roles, please ensure you complete both before continuing.

You don't need to click "Confirm" at this point. You will receive an error message if you click "Confirm".

Click on "Message Channels" to set up your other webhooks for your other IFs.

Setting up Error/Egress URLs (2)

The DIP ID that you selected in **2** will have a DIP Role Code and that will determine whether you're asked to configure an "Error URL" or an "Egress URL" in the Webhook URL section shown in **3**

3 Click "Edit" and type in your "Error URL" / "Egress URL" and select tick to confirm. URL format is as follows: https://<your url>

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

Market Participant Organisation: A DCP Energy Co
DIP ID: 1535232473

Webhook URLs
Configure the relevant destinations the selected DIP ID

Egress URL: [Edit](#)

Messages
Please select your criteria to load messages for the selected DIP ID

Date From: 2023-11-02 08:45
Date To: 2023-11-03 08:45
[Confirm](#)

IGNORE THIS

If your Egress / Error URL does not begin with "https" and/or isn't valid, you will see an error message

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

Market Participant Organisation: A DCP Energy Co
DIP ID: 1535232473

Webhook URLs
Configure the relevant destinations the selected DIP ID

Egress URL: [X](#) [✓](#)

Please enter a valid HTTPS egress URL

Useful information

No	Question/Note	Response
1	API Keys Generation	The feature for generating you API Keys is currently unavailable in this version of the DIP. Please contact the DIP team (dip@mhhsprogramme.co.uk) to receive your API Keys
2	Format for Webhook / Endpoint URLs	Example URL: https://api.sit.energydataintegrationplatform.co.uk/v1/dip-channel/if-005
3	DIP IP Addresses	Inbound: 20.254.70.171 Outbound: 20.90.209.207
4	Certificate Chains	Your Root and Intermediate Certificate chains can be obtained from your DIP Manager. Please contact the DIP Team at dip@mhhsprogramme.co.uk

Thank you