



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

Promotion to Production

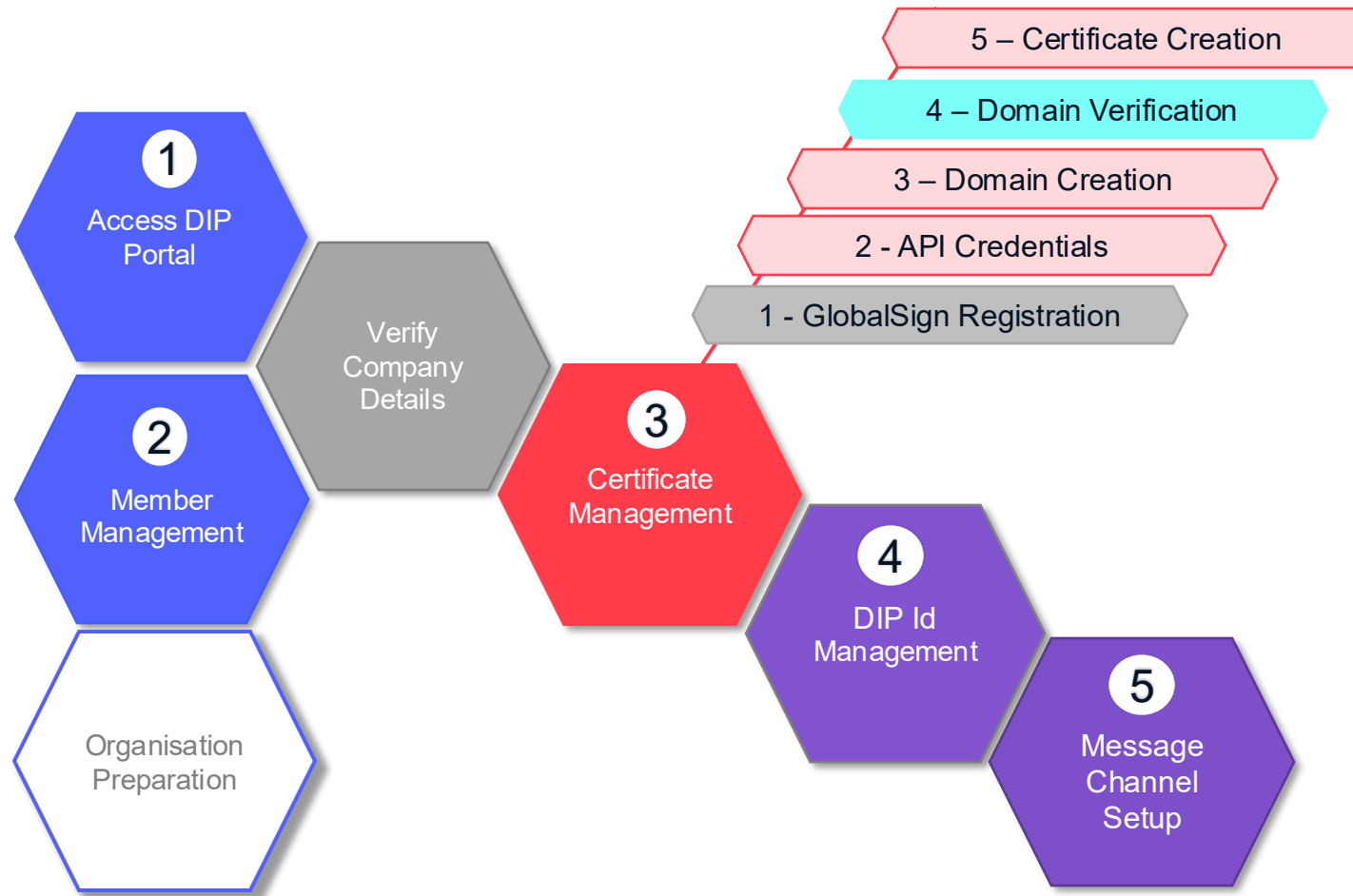
Promotion to Production phase of DIP on-boarding involves transferring parties from the DIP UIT environment to the DIP production environment once they receive their PAB qualification.

The set of activities that need to be undertaken is a reduced set of instructions when compared to the initial UIT on-boarding tasks. All of the ‘heavy lifting’ has already been done.

Important Notes

- This seminar is agnostic of qualification wave and only covers the technical aspects of onboarding to the Production DIP
- Timings – it is totally down to the Market Participant and their alignment of their in-house (and DCP partners) resources. There is no GlobalSign vetting carried out at this stage.

DIP Onboarding Overview – Promotion to Production



Promotion to Production phase of DIP on-boarding involves transferring parties from the DIP UIT environment to the DIP production environment once they receive their PAB qualification.

The DIP manager has three tasks to perform:

1. Extract Company Setup from UIT
2. Import extract into Production
3. Send out invite to the Primary User Admin

Promotion to Production – Summary of Tasks

1. Access DIP Portal

- DIP Manager will send out the invite to on-board to the Production once they receive confirmation of PAB approval

2. Member Management

- The user base from each organisation is NOT copied from UIT. It is recognised that many companies will have different user bases between Production and non-Production environments

3. Certificate Management

- No requirement to on-board to GlobalSign
- New Globalsign signing certs and DIP MTLS/Signing certs are required

4. DIP Id Management

- MPIDs/DIP Ids/DCP Ids are copied over from UIT by DIP Manager
- DIP Manager updates the effective from time for each DIP Id according to the PAB guidance
- Qualified Party needs to download the pertinent API keys for each production DIP Id

5. Message Channel Setup

- Updated webhook configuration is required as the transfer of data from UIT to Production does NOT include the webhook config

1. Access DIP Portal

- DIP Manager will send out the invite to on-board to the Production once they receive confirmation of PAB approval

2. Member Management

- The user base from each organisation is NOT copied from UIT. It is recognised that many companies will have different user bases between Production and non-Production
- Set up Users as per advice (slides 17-21)



Member management is accessible from the Members sub-tab from the main Market Participant Organisation page

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MARKET PARTICIPANT ORGANISATION

MESSAGE CHANNELS

Super Energy Co

Detailed information on the Market Participant, the constituent DIP IDs operating within the DIP and their members along with certificate functionality.

Nominate DIP Connection Provider

Company Type	Company Number	Role Codes	DIP Connection Provider
Supplier, Distributor	1234567	SUP1, SDS, MDR, ADS, EES, SUP	None set
Description			
Our company is.....			
Whitelisted Domains			
superenergy.co.uk, energydataintegrationplatform.co.uk, mailinator.com, accenture.com, energydataintegrationplatform.co.uk, accenture.com, avanade.com, pitdipportal.onmicrosoft.com			

DIP IDs

Members

Certificates

Create Member

Filter

Search

A Cert Admin and a Message Admin need to be added as a first task to enable the on-boarding process

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MARKET PARTICIPANT ORGANISATION

Energy Demo Ltd

Detailed information on the Market Participant, the constituent DIP IDs operating within the DIP and their members along with certificate functionality.

Nominate DIP Connection Provider

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

DIP IDs

Members

Create Member

Filter

Search

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

Showing items 1 - 2 of 2

Show 10 All


1



Inviting users from outside your organisation

You are only able to add members to your organisation who have e-mail addresses featuring whitelisted domains, assuming you checked the ‘Whitelist DCP’s domains’ option when nominating a DCP, you should see that organisations domains listed. If not, or you need additional domains whitelisted, please contact the DIP Manager.

Once verifying the desired domain is present, navigate to the member tab

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ORGANISATION

MESSAGE CHANNELS

MESSAGES

PERFORMANCE

AUDIT

MPAN

USERS

Market Participants > Smart Energy

Smart Energy

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
232424	MSA	Disabled

Description

New company

Whitelisted Domains

mailinator.com, pit.testmp.co.uk, dcporganisation.co.uk

+ Whitelist Domain

Webhook URL Configurations

+ Remove All Webhook URL Configurations

+ Add New Child Organisation



Adding New Users / Editing Existing 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

DIP IDsMembersCertificates

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

Create MemberFilterSearch

First Name	Last Name	Email ID	Role	Expiry Date	Actions
Ayi	Edet	ayi.edet@elexon-flex.com	MP User Admin MP Message Admin MP Certificate Admin MP Analytics Reader MP User Admin	2026-07-23	EditExtendOffboard
Egidio	Zindato	Egidio.Zindato@elexon-flex.com	MP Message Admin MP Certificate Admin	2025-07-24	EditExtendOffboard

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

Click @ to view list of whitelisted domains

Click drop-down to see available roles and select the appropriate organisational roles required for the user

Create New User Profile

First NameLast Name

Email Address@

☒ Member of All DIP IDsSelect Organisation Role

Note: If you require a domain which isn't listed, please contact the DIP Admin for it to be whitelisted.

CancelConfirm

3 Click 'Confirm' to send the invitation

Select Organisation Role

This field is required

CancelConfirm

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.

3. Certificate Management

- No requirement to on-board to GlobalSign
- New Globalsign signing certs and DIP MTLS/Signing certs are required

Signed in as robert.golding@elexon-flex.com

←

Identity Profiles

Request an Identity

COLUMNS

FILTERS

DENSITY

EXPORT

Profile Name	Status	Date Created	Org. Name (0)
ELEXON-FLEX	Active	12/17/2024	Elexon Flex
ELEXON-CLEAR	Active	6/17/2025	ELEXON CLEAR LIMITED

Rows per page: 10 1-2 of 2

Home

Purchases

Identity Profiles

Discovery

Certificates

Access Credentials

API Credentials

mTLS Certificate

Promotion to Production – Certificate Management -GlobalSign

Atlas

GlobalSign

Home

Purchases

Identity Profiles

Discovery

Certificates

Request Certificates

Issuance Inventory

Domains

Access Credentials

Domains

+ New Domain

COLUMNS

FILTERS

DENSITY

Domain	Identity Profile Name	Expiration Date	Verify Before Date	Last Verification Meth...
elxon-flex.com	ELEXON-CLEAR		8/2/2025	
elxon-flex.com	ELEXON-FLEX	1/16/2026		DNS

Rows per page: 10 1-2 of 2

Signed in as robert.golding@elxon-flex.com

elxon-flex.com

Verify Domain

Reset DVC

Delete domain

Identity Details

Profile Name: ELEXON-CLEAR

Validation Level: Organization (OV)

Organization Name: ELEXON CLEAR LIMITED

Locality: London

State: London

Country: GB

Created at 7/3/2025

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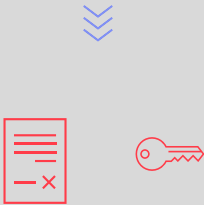
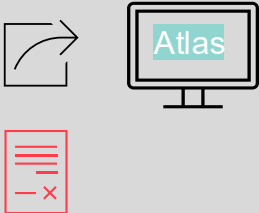
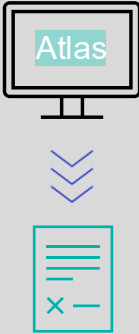
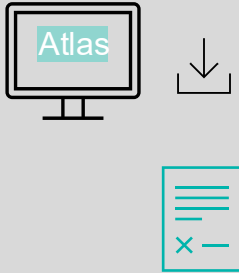
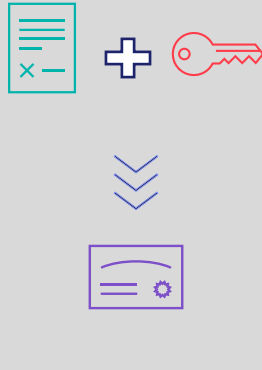
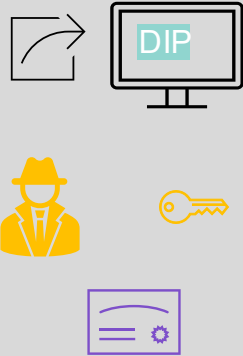
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Promotion to Production – Certificate Management

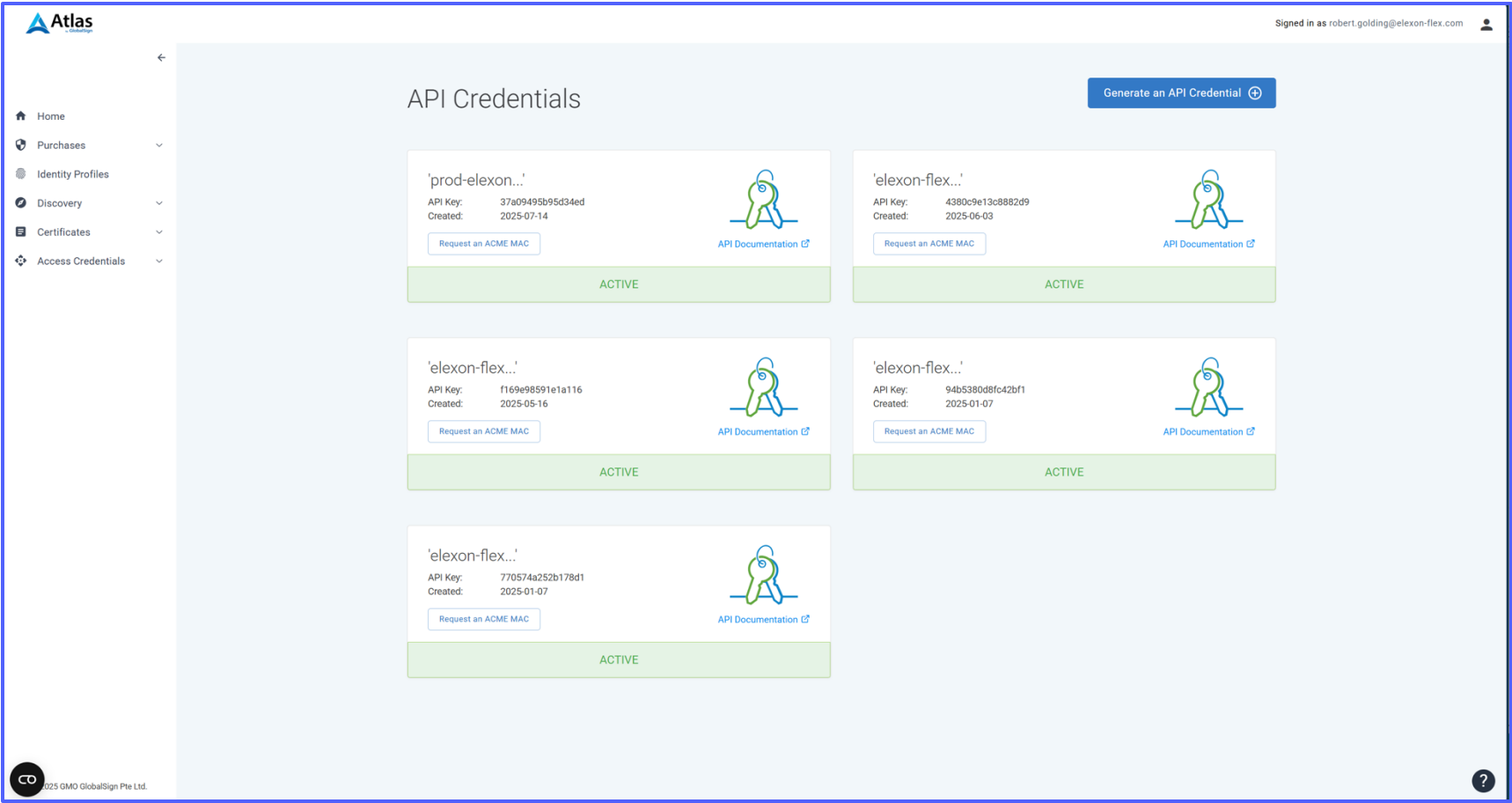
For each Company promoted into Production a new set of API Credentials and PFX mTLS/Signing Certificate need to be produced for upload into the DIP – **Step 4.2** from the Full On-Boarding Guide.

1	2.	3.	4.	5.	6.	7.
Create API Credentials (Secret & API key)	Generate CSR & KEY file	Load CSR file into GlobalSign Portal	Generate CER file	Download CER file from Global Sign Portal	Merge CER & KEY file to generate PFX certificate	Upload the GS API Key & Secret, with the PFX Certificate, to the DIP
						

The steps taken are exactly the same as for UIT onboarding – see slides 37-48

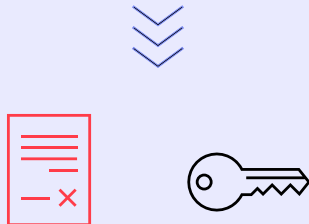
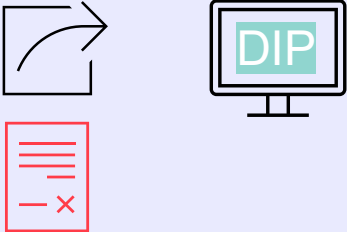

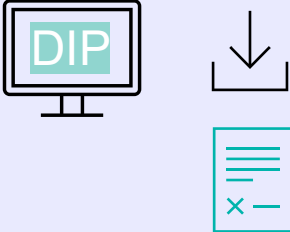
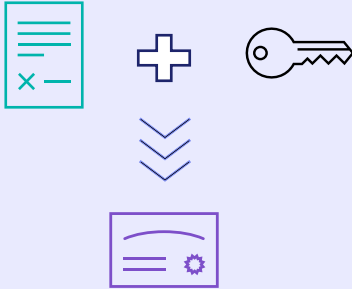
The end result is a PFX file loaded into the DIP

Promotion to Production – Certificate Management



Typically have 2 sets of credentials for each company: one for UIT, one for Prod

To generate a mTLS or a signing or a combined mTLS/signing certificate follow the steps below – **Step 4.5** from the Full On-Boarding Guide.

1.	2.	3.	4.	5.
Generate CSR & KEY file	Load CSR file into DIP	Generate CER file	Download CER file from the DIP	Merge CER & KEY file to generate PFX certificate
				

The steps taken are exactly the same as for UIT onboarding – see slides 50-57 in the Full Onboarding guide

The end result is a PFX file used in when signing messages /MTLS connections with the DIP

Promotion to Production – DIP Id Management

4. DIP Id Management

- MPIDs/DIP Ids/DCP Ids are copied over from UIT by DIP Manager
- DIP Manager updates the effective from time for each DIP Id according to the PAB guidance
- Qualified Party needs to download the pertinent API keys for each production DIP Id

The steps taken to generate the API keys are exactly the same as those provided earlier – see slide 64

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MARKET PARTICIPANT ORGANISATION

MESSAGE CHANNELS

MESSAGES

PERFORMANCE

Market Participants > Big Energy Company > DIP ID 1494431682

DIP ID: 1494431682

Nominate DIP Connection Provider

Details

Company Number	MPID	Market Participant Role Code	DIP Role Code	DIP ID	Effective From Date (MPR)	Effective To Date (MPR)
2242424	RDG1	X	SUP	1494431682	2024-07-04	2025-07-04

API Keys

Primary Key

4680723e336471f90baa13d09806791

Show

Copy

Regenerate

Secondary Key

428c7b7408994c00807d9ecc3bb4e45c

Show

Copy

Regenerate

Interface Configuration

Please select an interface to configure for this DIP ID

Interface

Members

Add Member

Filter

Search

First Name	Last Name	Email	Role	Actions
Edward	Bowyer	edwardkbowyer@live.co.uk	MP User Admin MP Message Admin MP Certificate Admin MP Analytics Reader	Offboard
User	Eleven	user11@sit.testmp.co.uk	MP User Admin MP Message Admin MP Certificate Admin MP Analytics Reader	Offboard

Showing items 1 - 2 of 2

Show 10 All

Promotion to Production – Certificate Management

5. Message Channel Set-up DIP Id

- MPIDs/DIP Ids/DCP Ids are copied over from UIT whilst the webhook links are not as Production URLs need to be defined
- It is recommended that the API to set the webhook URLs is used instead of the DIP Portal
- API to use is:
<https://app.swaggerhub.com/apis/MHHS/PROGRAMME/SubmitEvents/1.8.3#/DIP%20Channel%20Publication%20Configuration/configurePublication>
- Using the API means that Production Certificates (generated and uploaded in the previous step) can be tested before any actual message exchange has been initiated.

Thank you