

### SITB - Certification Guide for SIT MPOs

Version

**V1.0** 

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#### 1.1 UPDATES TO ONBOARDING

	Author	Version	Change Detail
07/05/2024	Edward Bowyer	V1.0	Created document

This Onboarding guide is published for the SIT testing 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.



1.2 Key Terminology Explained

Term	Description		
ADO	Azure DevOps		
AKV	Azure Key Vault		
API	Application Programmable Interface		
ARO	Appointed Responsible Officer		
CER	A .CER is an SSL Certificate File Format		
CSR	Certificate Signing Request		
CSV	Comma-Separated Values		
CI	Component Integration Testing		
DIP	Data Integration Platform		
DCP	DIP Connection Provider		
DNS	Domain Name System		
GS	GlobalSign		
MFA	Multi-Factor Authentication		
PFX	Personal Information Exchange		
SIT	System Integration Testing		
SRO	Senior Responsible Officer		
SSL	Secure Socket Layer		
SSL OV	SSL Organisation Validation		



#### 3.0 The DIP Onboarding Guide

#### 3.1 Introduction

The E2E Onboarding process involves a fixed sequence of activities which must be followed accurately and in the correct order, to ensure successful onboarding completion and therefore readiness to perform the DIP SIT/CIT.

This guide assumes you have already onboarded into the SIT environment and require a new certificate for use in the SIT-B environment.

Please note that all steps in this guide must be performed through the SIT Portal (certificate functionality is not available in the SIT-B environment).

- There are two scenarios described in this guide:1. Create a new certificate for an existing domain, OR2. Registering a new, alternate domain and creating a certificate for that new domain

If you require scenario 2, you must first inform the Service Desk (Support@Energydataintegrationplatform.co.uk).





## Section 1 – Create a new certificate against an existing domain

#### Generating a new certificate

To create a new certificate, first log in as an **MP Certificate Admin** user, navigate to the Certificates tab on the details view of the Market Participant Organisation you wish to generate for, and click the **Create Certificate** button.

MHHS PROGR Industry-let. D	KAMME	ELEXON Data Integration Port	al
номе	MARKET PARTICIPANT ORGANISATION	MESSAGE CHANNELS MESSAG	ES PERFORMANCE
Secu You can v	rityST view your organisation details below. Ple	ease ensure that you keep this information acc	curate and up-to-date.
Comp 22424	bany Number 424	Role Codes None Set	DCP Status Disabled
Descr new o	ription		
White sit.tes	elisted Domains stmp.co.uk, live.co.uk		
DIP IDs <b>Current</b> You can v	Members <u>Certificates</u> ly Active Certificates riew the status of your current active cer	tificates below. Please ensure that you keep th	Create Certificate
Certif 01A00	ficate Serial Number DDC65BAA2F2C3BF626B8DC9FF8C7	Status Created Date ISSUED 2024-04-30	Expiry Date Created By 2025-06-01 user10@sit.testmp.co.uk
<b>H</b> R	Reissue 🛨 Download 🛛 😵 Revok	2	



#### Enter new certificate details

In the Create Certificate dialog, please enter all the required details for the new certificate, refer to the <u>E2E Onboarding</u> <u>Guide - Section 5</u> for detailed assistance if required.

#### Click Create Certificate.

The newly created certificate will now appear at the top of the currently active certificates and can be downloaded for use

MHHS PROGRAMME Industryled, Beron facilitated	E L E X O N Data Integration Portal	E
MADKET DAD		
OME ORGANIS.	Create Certificate	E
	Host Name Domain Name	
	SIT-B . company6.testmp.co.uk.	•
SecurityST	Cartificate Dumon	
You can view your organisatior	mTLS& Signing	•
, ,	in to a signing	Connection Provider Status
	Subject Name	
Company Number	energydip-nonprod.128.company6.testmp.co.uk	Copy DCP Status
2242424		Disabled
new one Whitelisted Domains sit.testmp.co.uk, live.co.uk DIP IDs Members <u>Certific</u> Currently Active Certificates You can view the status of your	MIIFFJCCAv4CAQAwMJEwMC46A1UEAxMnZWSIcmd5ZGIuUWRIdi42NbCuY29tCGFueT 1wLmNVLnVINICIjANBgdyhkiGSW0BQEFAACCAgBAMILCGgVCAgEAwCydBaPILhVOq svbWisAAdMp2JIxLJ2O3Ix13mjzAkm70tRGJrRZe0YjuGlgMHAzhX3rQnng2mk0X2Erx S4Y39/TXGUSSRKPanexczRuLHealVITGVEG5/TnVy9RTX6Rk1665F0oA0XH6265E [cv98uyiJdfWyiwk458hnj98JmsVVTGVFEG5/TnVy9RTX6Rk1665F0oA0XH6265E [GotRTIF/AElhqxMokBKWY0F+I9h07mZTU5nkCr/cbLlWqlcPa5FrIIY]gyoIn0sYuCwXgLz KOPbs9tAjujGSospko3DQ9GpCFfSzbhQJRxiv8GVGF6gfDbwyLvkg1Pxzq9BD1455t3QN. 2t3dDC1Ud6RS55yS4A0MRHXmwF1D099Yirg47250xybe1+2yAr4TlGg7Zg52g4LJy wSCGY6Lu4/Uf1a7ViU/iBe1gm5AeLFvfh2xXSa/L0Kk5ieTstD3bdVIG6vPDwrsIZ5nCq miQRL1TGLix2TV01eHGXX8UD3HcW/txU1U01gBwcMAaCBCGGlbmWLkc2Ipcx48zZb04 GKMA46A1UdDwEB/wQEAwIF0DAdBgNHSUEFjAUBggEFBQcDAQYIkwB8QUHA R0RBEcwRYIn2W5Icmd5ZGiwLWRIdi42NDcuY29tcGFueTEud6VzdGiwLmNvLnVghpC VbXBhbnkLnRic3RtcC5jby51azAJBgNVHRWEAjAAMA0GCSqG5lb3DQEBCwUAA4ICAQ +7771fMzvNiOubZi2Q1CH3QCMpdwp7XPgEaXT2jemu19U5JgDYBy1xksCaKWEzxLh ZQupMakBlqYU15AUZr62rANIbm0m73Zj2QXHy3+HF63U9JNBg4NwmSpmz7r5LoaA wCQI15SkU576Nlq2v1q540ECKHjn4rRkRjE451LR3X7or7NW1pq6U/521Q0EUWT44 JitD53kU576Nlq2v1q540ECKHjn4rRkRjE451LR3X7or7NW1pq6U/521Q0EUWT44 JitD53kU576Nlq2v1q540ECKHjn4rRkRjE451LR3X7or7NW1pq6U/521Q0EUWT44 JitD53kU576Nlq2v1q540ECKHjn4rRkRjE451LR3X7or7NW1pq6U/521Q0EUWT44 JitD53kU576Nlq2v1q540ECKHjn4rRkRjE451LR3X7or7NW1pq6U/521Q0EUWT44 JitD53kU576Nlq2v1q540ECKHjn4rRkRjE451LR3X7or7NW1pq6U/521Q0EUWT44 JitD53kU576Nlq2v1q540ECKHjn4rRkRkWIW2jFMUDP4a7GMem655QU000H/MAB JWWRWLWDV7UWJBXJRD1404JB41Q0H407H0P4F85K4538Xk538Xk0539X90VIJ9X60AV/MM JW284J70y0W26kPRAC2y14EW4UH1H1q9HH0wLK0n2920m36CK2Xy14BwXlbRQH4 dZrObWUFNUbBgdd7ifQKnFpHqkUAjXHCVF0gUFre8iBx+gmUQCXp559bVbRqH13xy TW1iu0077UWJBXJRD1M3W2FJ1LCWXKWXZJFMUDP4a7GMem655QU000HJMADA TW1u0077UWJBXJRD1M3HZ71ABQ	EudGvzdG GreSSdp4 (1xAQTYVF Dlgkzg2Q) BFUFUEve etrCudRHIB 12fRYICJUF JWSPDDS5 IWSPDD5 WWSPM JWSPDM5 DZWFELMN AMTSIJ9P qRhJW+R 218jPfbM UVGSMUL SoJIhcQs SnSIAP9 xvh/HKoiv UBS= d up-to-date.
Certificate Serial Number	Create Certificate Cancel	Created By
01A00DC65BAA2F2C3BF626	Cancer	user10@sit.testmp.co.uk
🖪 Reissue 🔮 Downlo	ad 🛛 🕅 Revoke	



#### Section 6 – Complete DIP Setup

#### Certificate Admin: Generate mTLS & Signing Cert within the DIP

Login to the DIP as Certificate Admin (1)

Select MP MENU (2) then 'Certificates' Tab (3)

- 1. Enter the required Host Name & Domain (4)
- 2. Select 'Certificate Purpose' to choose a "mTLS" (for DCPs). "Signing" (for MPs) or "mTLS & Signing" certificates (both) (5)
- SUBJECT NAME is pre-set CLICK 'COPY' (6)



Certificate Signing Request Form

This form is used to submit your certificate signing request (csr) to be signed by the DIP certificate authority (Global Sign ou will then be able to download the signed public key (cer) which you will then bind with prisr and thus creating your mTLS certificate, active for use when integrating with the DI Before making a signing request, please ensure you have completed the necessary Glo Please ensure that the details entered match those used during the organisation onboarding, vetting and verification



It is critical that a new CSR is generated using the details from the previous step

#### Open the Certificate Creation Tool (e.g. Azure Key Vault)

- In Click (select) to generate a certificate (in AKV click Generate/Import)
- Give the certificate a name (no spaces) <u>@</u>2.

Home > edip-ky-ms-poc-uks-002

Create a certificate

Method of Certificate Creation

Validity Period (in months)

Type of Certificate Authority (CA) ()

Certificate Name \* 🕕

(A) Subject \* ①

**DNS Names** 

Content Type

Tag

Lifetime Action Type

Percentage Lifetime \*

Advanced Policy Configuration

₽ Search Overview

- Choose 'Certificate used by non-integrated CA' from drop down **@**3.
- Enter 'cn=' then paste the SUBJECT NAME copied in STEP 1 (6) <u></u>
- IMPORTANT click 'DNS Names' and complete the 2 entries **6**5.
- **6**.



You must add DNS Name entries as

advised from 4 and 6





## Section 2 – Create a new certificate against a new domain

#### SECTION 2 - Create a new certificate against a new domain

#### Create a new certificate against a new domain

To add a new domain, you <u>must first let the Service Desk know your intent</u> and they will contact you once ready to proceed.

To add a new domain, once you've been informed by the Service Desk, log in as an **MP Certificate Admin** user, navigate to the Certificates tab on the details view of the Market Participant Organisation you wish to add a new domain for.

You will see the Certificate Signing Request form loaded as the Organisation already has a domain verified. To add a new one, click back to step three on the stepper.



#### Certificate Signing Request Form

This form is used to submit your certificate signing request (csr) to be signed by the DIP certificate authority (Global Sign).

You will then be able to download the signed public key (cer) which you will then bind with private key you used to create your csr and thus creating your mTLS certificate, active for use when integrating with the DIP.

Before making a signing request, please ensure you have completed the necessary GlobalSign onboarding and domain verification process, more details can be found on the <u>GlobalSign website</u>.



#### SECTION 2 – Create a new certificate against a new domain

#### Adding a new domain

It will show as already completed. Enter the new domain (remember not to add https://) and click submit.

Upon successful adding a new domain, click Next to go to the verification.

Please refer to the E2E Onboarding guide – section 5 for more details.

	<b>•</b>	0	3	•	<b>~</b>
	GLOBALSIGN REGISTRATION	API CREDENTIALS	DOMAIN CREATION	DOMAIN VERIFICATION	CERTIFICATE CREATION
	GlobalSign Domain Crea Please enter Domain Name against Domain	ation which you wish to u	se in issuing certificates	S.	•
	This step has already bee	n completed.			Submit
				Prev	vious
_				📀 Domain	created successfully.
GLOBALSIGN REC	GISTRATION API CREDENTIALS DOMAIN	3 CREATION DOM/	AIN VERIFICATION CER	TTIFICATE CREATION	
GlobalSign D	Domain Creation				
Please enter Doma Domain	ain Name against which you wish to use in issui	ng certificates.			
This step h	has already been completed.			Submit	
			Previous	Next 2	



#### SECTION 2 – Create a new certificate against a new domain

#### Verifying a new domain

On the domain verification screen, select the newly added domain to view the TXT record details, add these to your new domain. Please refer to the E2E onboarding guide – Section 5 for detailed steps to undertake this process

GLOBA					
0200	ALSIGN REGISTRATION	API CREDENTIALS	DOMAIN CREATION	DOMAIN VERIFICATION	CERTIFICATE CREATION
Globals	Sign Domain Veri	fication			
Please sele	ect a previously created d	omain which you wish to ha	ave verified.		
Domain Nar	ne				
example-s	sit-b-domain.com.		•		
The below T	XT record must be added to	your domains DNS so that it can	be verfified by GlobalSign.		
Name V	/alue				
@ g	globalsign-domain-verificatio	n=F4CA9052B35D34729DC6B72	2359D88C7A		
Domain vert	tification attempt log				
Status I	Description Timestamp	Method			
V Please	check this box to confirm you	I have added the above DNS rec	ord to your domain before attemp	oting to verify.	
—	is stop has already bee	n completed			Submit
	is step has already bee	in completed.			



#### Troubleshoot Domain adding and verification flowchart

The Certificate Admin will work with a DNS domain admin to complete the Domain verification by updating the domain DNS.



Return to Step (2) and repeat DNS

verification process



#### Create a new certificate with the new domain

Once the domain is successfully verified.

Please enter all the required details for the new certificate, refer to the E2E Onboarding Guide - Section 5 for detailed assistance if required.

#### Click Create Certificate.

The newly created certificate will now appear at the top of the currently active certificates and can be downloaded for use.

#### Certificate Signing Request Form

This form is used to submit your certificate signing request (csr) to be signed by the DIP certificate authority (Global Sign).

You will then be able to download the signed public key (cer) which you will then bind with private key you used to create your csr and thus creating your mTLS certificate, active for use when integrating with the DIP.

Before making a signing request, please ensure you have completed the necessary GlobalSign onboarding and domain verification process, more details can be found on the <u>GlobalSign website</u>.

Please ensure that the details entered match those used during the organisation onboarding, vetting and verification process.

Host Name	Domain
SIT-B .	company6.testmp.co.uk.
Certificate Purpose	
mTLS & Signing	•
subject Name	
energydip-nonprod.128.company6.testmp.co.uk	Сору
	ISZGIwLWRIdi42NDcuY29tcGFueTEudGVzdG BAMIICCgKCAgEAwCydBaPiLhV0qG+ESSdp4 DYjuGlgMHAzhX3rQmg2mk0X2ErxLxAQTV/f Vy9BYTX6KI166SFooAOXH6Z6SEDKzKz20y BYS9D27cmKghlwuNK3antD2GSP0FUEW bLIWqlcPa5FrIIYjgyoIn0sYuCwXgLzTCudRHI8 Ggf0bwjLvkg1Pvzq9BD1455t3QNJ2GSP0FUEW bLIWqlcPa5FrIIYjgyoIn0sYuCwXgLzTCudRHI8 KKSjeTtD3bAVGGPPvr0125nCqWL5UJF KWSMSM/OF/EJEcK4R272NDIPvvhLYEA WEAAACBnCBmCBUKKSULVKSULVKSULVKSULV VEAAACBnCBmCUXQVWBUVHXVISUH RWGWSmM/OF/EJEcK4R272NDIPvvhLYEA WEAAACBnCBmCUXQVWBUVHXVISUH RWGWSmM/OF/EJEcK4R272NDIPvvhLYEA WEAAACBnCBmCUXQVWBUVHXVISUH RWGWSmM/OF/EJEcK4R272NDIPvvhLYEA WEAAACBnCBmCUXQVWBUVHXVISUH RWGWSmM/OF/EJEcK4R272NDIPvvhLYEA WEAAACBnCBmCUXQVWWBUVHXVISUH RWGWSmM/OF/EJEcK4R272NDIPvvhLYEA WEAAACBnCBmCUXQVWVNVTYDV FueTEudGVzdG1wLmNvLnVrghp0ZWFLLmN AA0GCSqCSIb3DQEBCwUAA4ICAQAMTSIy9P M190FjgDP9VJskScAKWEzzkLARHJW+R IP63U9JNBg4NWmSpm27zfSLoaA2L8jPtbM Rs3X7077W12p6U/G21d0EUN/TMHZSTISU CTsm128ctqpr0WVR0GmO4Vh/NbS0IhCos K0n2200m36CKZXy138WXIbBRU4K7C8anBK *68IBx+gmUQUCXp5bVbVRqHL3xv5nSSIAr9 DF4a7GMeemf5SQ1U0w0HjWNV0AxVh/HKoiv 5'XZt4kyLVm3SWa0VIIIB2G116FFTLIg



SIT B Re-Certification Guide

# Thank you

