

IntraFlex

Phase 2 - Onboarding January 2021



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Participant Journey - Onboarding

**6 step process with
dedicated support via
NODES**

For providers with assets in the relevant zones, there are 5 tasks needed before the trial can start:

1. Submit Registration Form
2. Sign Membership agreement
3. Complete relevant technical build
4. Test Zero (End to End System testing)
5. Confirm Pre-Qualification
6. Asset Approval

Submit all documents & raise any queries by email on:

member.services@nodesmarket.com



Participant Journey - Phase 1 participants

**Phase 1 participants
do need to complete
tasks 4, 5, 6**

Flexibility service providers who took part in Phase 1 do not need to re-register or re-sign the Membership Agreement. The updated Rulebook will be circulated.

Providers will be asked to confirm continued participation and participating assets via email to NODES.

4. Test Zero (End to End System testing)
5. Confirm Pre-Qualification
6. Asset Approval



Documents and forms on myNODES

myNODES



Create a myNODES account to access all documents

- The Registration form, Membership Agreement, Rulebook, the PQQ Form and other material are available online in a password protected area called myNODES.
- Create a myNODES account on <https://nodesmarket.com/log-in/>

<https://nodesmarket.com/log-in/>



1. Submit Member registration form – by Mid Feb ‘21

Flexibility Service Provider (FSP) registration

NODES needs the information below to be able to register new Members. Should you have any questions on how to fill in this form, please contact member.services@nodesmarket.com.



Member information

Company name *

Company registration number *

Company VAT number *

Company website

https://

Company Address

Street Address

City County / State / Region

ZIP / Postal Code Country

Company postal address (if different from above)

Street Address

Address Line 2

City County / State / Region

ZIP / Postal Code Country

Contact persons

Contact name for TRADING responsible person

First Last

Email

Submit Member registration form


- Contains company and user contact details, needed for NODES to create user account and run settlement process & for metering system access
- Asset details (MPAN and flexibility volume that can be provided) are also collected to enable WPD to verify that assets are located in a congestion zone.
- Submitted as online form via myNODES.



NODES test system access, upon registration




2. Sign Membership agreement – by End Feb '21



NODES MARKET RULES

GENERAL TERMS



MEMBERSHIP AGREEMENT
NODES MARKET

MEMBER DETAILS	Name of the Member			
	Registered business address		Company registration number	
	Postal code	Postal district/city	Country of incorporation	Tax resident
	E-mail		Tel. no. (int. format) +	VAT number
	Supplemental Details (if any)			
AGREEMENT	<p>This Membership Agreement is concluded between the Member (as identified above) and NODES AS, corporate registration number 923 321 844, having its registered office at Volkesveien 6-11, 1305 Lysaker, Norway ("NODES").</p> <p>This Membership Agreement is supplemented by the Rulebook for the NODES Market (the "Rulebook") as may be amended from time to time, which shall form an integral part of this Membership Agreement, and which governs the Member's activities relating to the NODES Market.</p> <p>The Member confirms that it has read and accepted the Rulebook as in force at the time of signature of this Membership Agreement without any reservation, and represents that it will comply with the Rulebook in respect of all Market Activities.</p>			
	CONTACT PERSON			
SIGNATURES	<p>The Member hereby appoints as its Contact Person:</p> <p>Name: _____ Position: _____ Postal address: _____ Email address: _____ Mobile phone: + _____ Office phone: + _____</p> <p>By their signature below the parties agree to be bound by this Membership Agreement.</p> <p>This Agreement has been signed in two (2) original counterparts, of which the parties receive one (1) each.</p> <p>For NODES AS: _____ For: _____</p> <p>Name and title in typed letters: _____ Name and title in typed letters: _____ Place: _____ Place: _____ Date: _____ Date: _____</p>			

Review NODES Rulebook, including the IntraFlex Schedule

- The Intraflex Schedule sets out project specific commercial and operational terms. It may be worth reviewing this initially. It includes that:
 - NODES will not charge membership, transaction, cancellation or delivery default fees or require collateral;
 - NODES will validate delivery of flexibility services prior to financial settlement & will reduce payments proportionally;
 - NODES will run a project specific baselining methodology; and will consider all transactions as activated.

This is being reviewed in January

Sign Membership agreement

- Accept the NODES Rulebook by signing the Membership agreement. This is required for production system access and pilot project participation.
- As per Phase 1 trial, the Rulebook is non-negotiable, however we do welcome feedback so we can review it in future.
- Submit signed agreement to member.services@nodesmarket.com



3. Relevant Systems overview

Participants interact with 2 systems

Metering system

- Collects meter values from participants
- Uses these to provide the NODES system with (i) default baseline values and (ii) meter values for the validation of service delivery

Access via API

NODES marketplace

- Commercial system that provides order matching and settlement services
 - Dispatch signal
- +

Access via web interface or API



3. Relevant Systems Build Complete– by Mid March ‘21

System	Mandatory?	Information	How to get started
Metering System API	Yes	Available at www.intraflexmetering.co.uk	Once the Registration form has been submitted access will be provided via password reset email.
NODES API	No, optional	Available at: https://api-extern-test.nodesmarket.com/swagger/index.html	As above



4. Test Zero (End to End testing) – by 9th April '21

End to end test in Production system

- Agree a test time with NODES and WPD.
- Test is carried out for one asset in an orderbook dedicated to testing.
- Includes trade, dispatch and validation of delivery.
- The trade is for a minimum of a half hour and maximum two hours at £300 per participant

Once completed

- After delivery, NODES and WPD will validate delivery by comparing meter values to baselines.
- FSP receives confirmation that the test has been completed within a day or two.



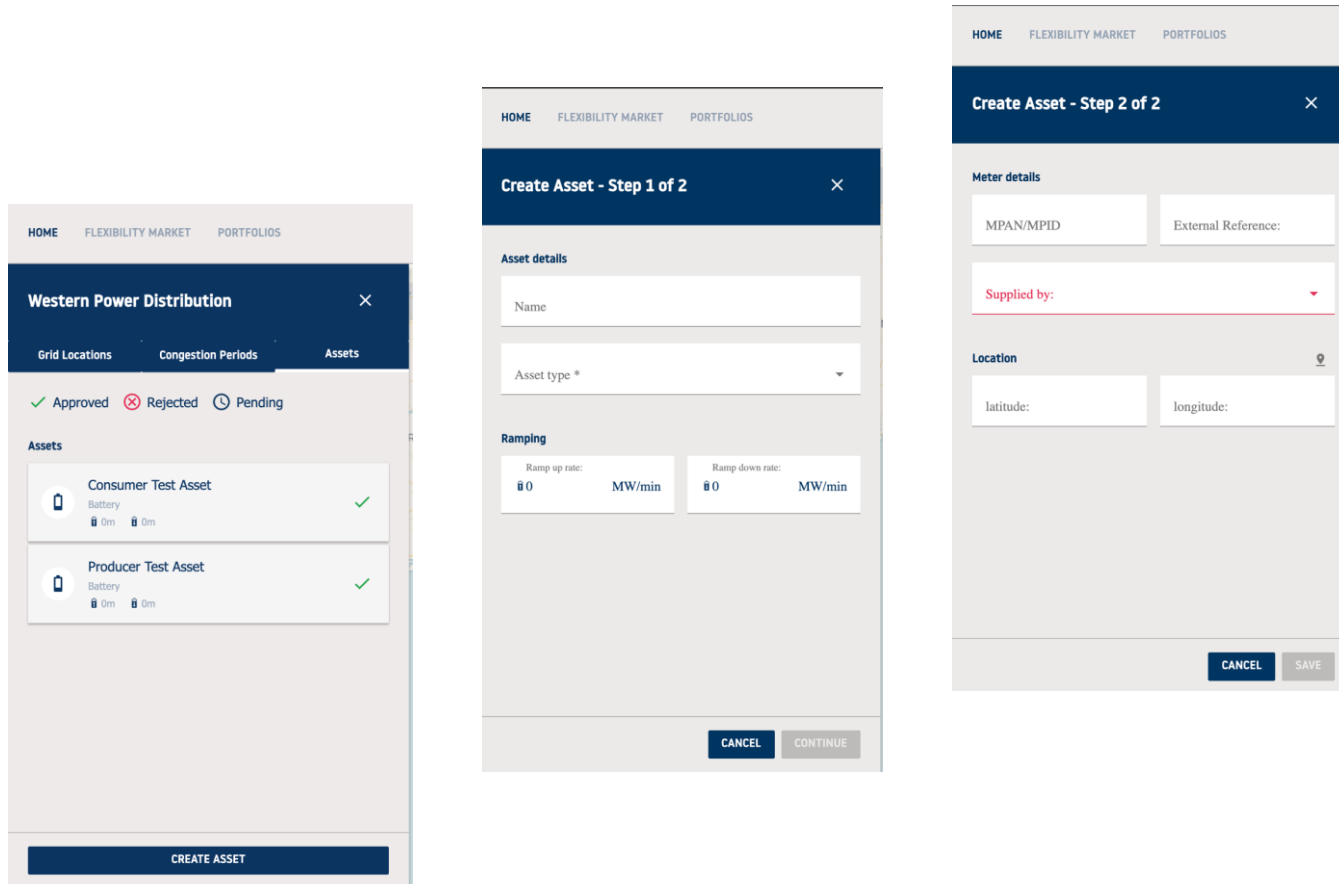
5. Confirm Pre-Qualification – by 9th April '21

**Confirmation that
participation
requirements have
been met**

- Submission confirms that the minimum participation requirements have been met.
 - Signed Membership Agreement
 - Completed end to end test
 - Responses to questions on grounds for exclusion, such as convictions of serious offenses, breach of obligations relating to the payment of tax or social security contributions and other grounds.
- Submitted as online form via myNODES.



6. Asset Approval - by 23rd April '21



Participant submits an asset

- Assets are submitted via the NODES portal
- It's key to include both the MPAN and the unique ID from the metering system
- WPD will check the location of the asset
- **WPD will approve to the main order-book**

Participant forms a portfolio

- Once a portfolio has been created, the participant can trade on the marketplace.





Participant Journey – Timeline

Mid Jan '21 – Mid Feb '21

Registration Form

End Jan '21 - End Feb '21

Sign Agreement

Mid Jan '21 – Mid March '21

Build Technical Systems

Mid Jan '21 – End March '21

Test system access

Production system access

29th March '21 – 9th April '21

Test Zero

29th March '21 – 9th April '21

Pre-Qualification

12th April '21 – 23rd April '21

Asset Approval

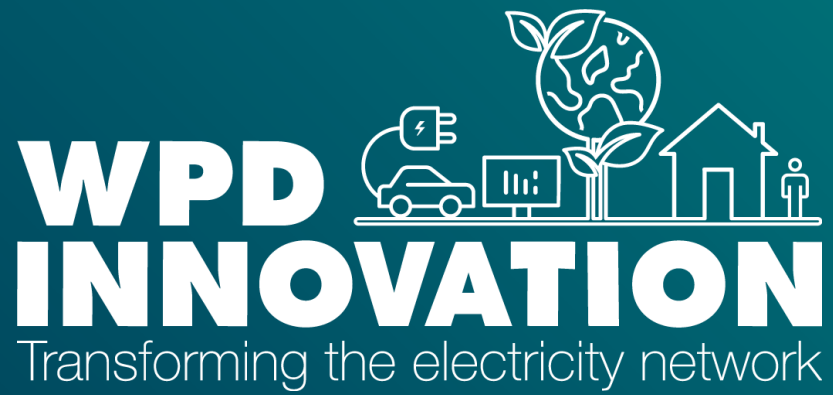


26th April '21 – 31st August '21

Test 1 (4 Weeks) Test 2 (3 Weeks) Test 3 (3 Weeks) Test 4 (3 Weeks) Test 5 (3 Weeks) Test 6 (3 Weeks)

Your feedback please!





THANK YOU



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