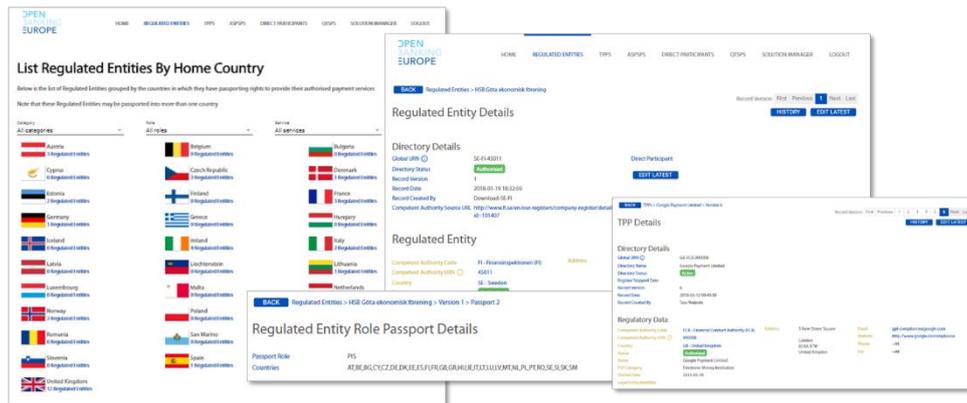# The PRETA Open Banking Europe Directory

PRETA's Open Banking Europe Directory provides a single & compliant source of standardised information about active Regulated Entities that can perform Access To Account (XS2A) services in Europe.

Why Has The Directory Been Created?

Under PSD2, Account Servicing Payment Services Providers (ASPSPs) are obliged to allow Payment Service Providers (PSPs) with the appropriate payment services authorisations to access their customer accounts and to prevent access to any organisation without these authorisations.

Any failure to properly authenticate these PSPs will risk unauthorised transactions or unauthorised data sharing and later claims under PSD2, or the General Data Protection Regulation (GDPR).

So, how will this authentication take place? The common understanding is that ASPSPs will use:

eIDAS Certificates

For identification, i.e. understanding whether a party is actually the party they claim to be.

National Competent Authority Registers

For authorisation, i.e. understanding whether a party is regulated and what they are authorised to do.

How Does The Directory Support PSD2 XS2A?
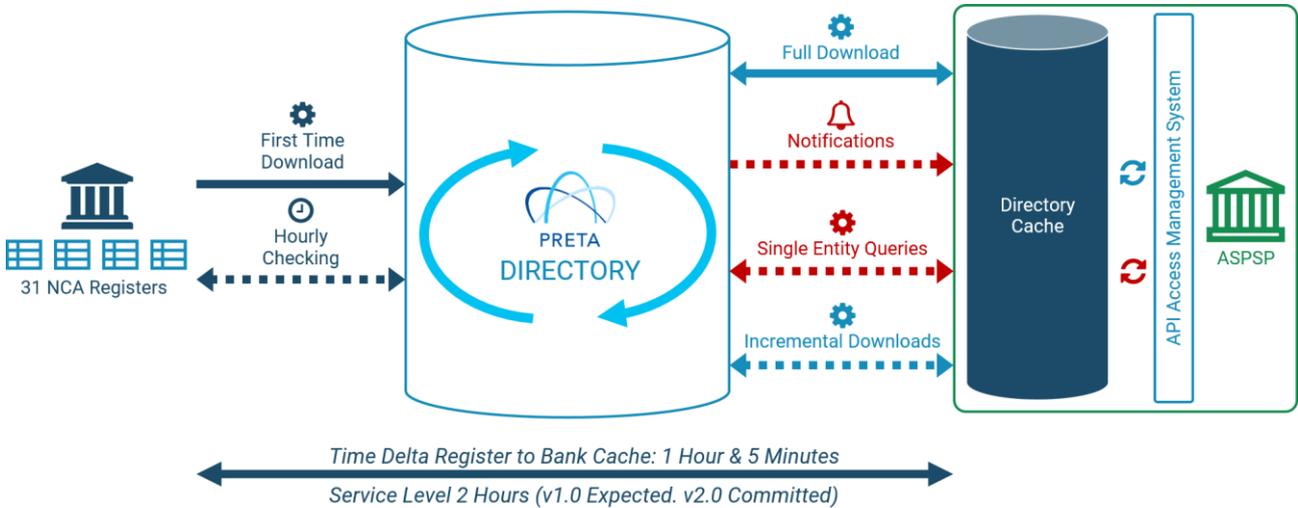
The Directory provides a single, standardised reference point for ASPSPs and Third Party Providers (TPPs). ASPSPs can use it to accurately identify which TPPs are authorised to access their interfaces, and TPPs can use it to locate the ASPSP interfaces that they need to use to access the ASPSP's customer accounts.

All of the information available in the Directory can be easily accessed either by using the secure, browser-based Graphical User Interface (GUI) or by downloading using the Directory's Application Programming Interface (API), giving ASPSPs and TPPs access to the latest XS2A information, whenever they need it.

How Will The Directory Work?

Regulatory Data

ASPSPs can download a cache of the Directory's Regulatory Data straight into their local systems using the Directory's Application Programming Interface (API) or view the Data in its' Graphical User Interface (GUI):

Time Delta Register to Bank Cache: 1 Hour & 5 Minutes

Service Level 2 Hours (v1.0 Expected. v2.0 Committed)

First Time Register Downloads: There are 31 National Competent Authority Registers, containing 4000 to 6000 Regulated Entities in total. As soon as a new Register becomes available, the Directory will access it and download its Data, in accordance with an agreed 'Register Specification' document to standardise and format the Data.

Hourly Register Checking: After the initial download, the Directory will check every Register once an hour for any changes to the Regulatory Data. Those changes will then be downloaded into the Directory.

Full Directory Downloads: ASPSPs can download a full cache of the Directory's Regulatory Data. Once this cache is in place, ASPSPs can use queries and incremental downloads to keep the cache up-to-date.

Single Entity Queries: If critical Data changes, the Directory will automatically send a notification, so that ASPSPs can download those changes.

Incremental Directory Downloads: For non-critical Data changes, ASPSPs should periodically refresh their local cache. PRETA recommends that Directory Users refresh the Data each day at end-of-day.

Operational Data

The Directory also contains information about ASPSPs that can be used by TPPs to identify the endpoints offered by ASPSPs and information about TPPs that can be used by ASPSPs to help interact with them.
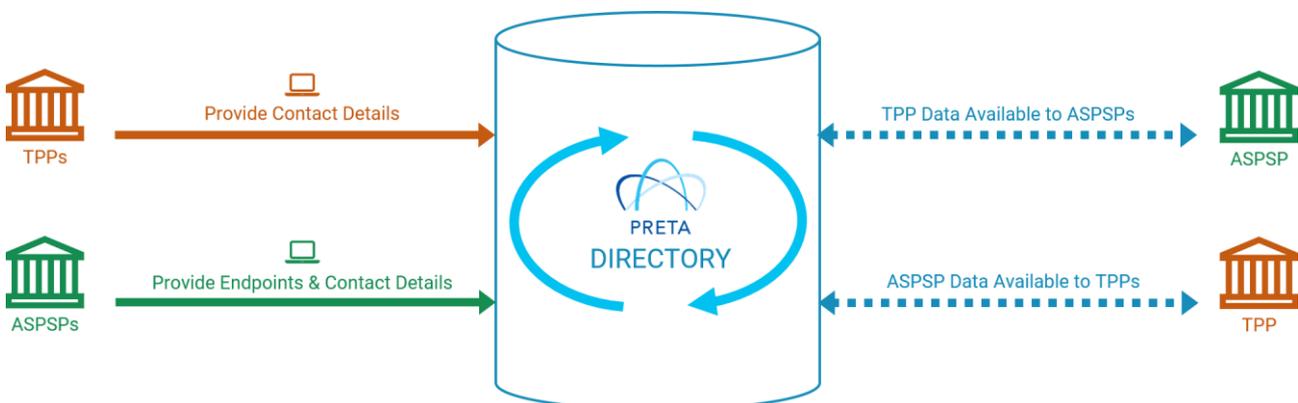
ASPSP Operational Data: ASPSPs can add details about their brands or service centres into the Directory, including any API endpoints and contact details. TPPs can then retrieve this information.

TPP Operational Data: TPPs can add details about their applications or brands into the Directory, including any contact details. ASPSPs can then retrieve this information.

What Are The Directory's Benefits?

Verify the Regulatory Access Rights of TPPs
ASPSPs can access and download the latest Regulatory Data available in the Directory, extracted from the 31 National Competent Authority Registers across Europe.

View & Retrieve TPP Operational Data
ASPSPs can use Directory to find the TPP contact details they need by their application or brand, in order to notify them of changes, or to contact them in case of incidents.

View & Retrieve ASPSP Operational Data
TPPs can use the Directory to find the ASPSP end points they need to access accounts, as well as their contact details, not only for each bank, but for each brand and service.

When Will The Directory Be Released?

The test version of the Directory is available now and provides access to the Directory's currently available Regulatory Data, notifications and live support, as well as onboarding, training, and testing.

The live version of the Directory will be available in January 2019 and provide consolidated access to all of the available Regulatory Data in Europe, with further functional enhancements to the test version's features.

What Technical Features Will Be Available In The Directory?

The test version of the Directory includes the following features:

Regulatory Data API
Securely download all of the Directory's available Regulatory Data into your own local cache.

Browser-Based Interface
Use the GUI to search, filter, and view the Directory's Regulatory and Operational Data.

Real-Time Notifications
Be notified as soon as critical Regulatory Data changes, so you can update your local cache.

Versioning & Audit Logs
Easily compare, monitor, and track the historical Regulated Entity, ASPSP, and TPP Data changes.

The live version of the Directory will have the following additional features:

ASPSP Operational Data
Access the Directory's ASPSP Data if you are a TPP user, for the latest endpoints and contacts.

TPP Operational Data
Access the Directory's TPP Data if you are an ASPSP user, for the latest support contacts.

Dual User Verification
Ensure that any changes to your Directory data are checked by another user before implementation.

Reporting
Run reports to review data downloads, record changes and user actions within your organisation.

What Operational Features Will PRETA Provide For The Directory?

The following operational features will be in place to support the Directory:

Live Support
The Directory will have a live helpdesk available during working hours, to answer your queries.

Business Continuity
The Directory will adopt high levels of security, with robust backup and recovery measures.

Performance
The Directory will be scaled up to efficiently manage any usage and data volume increases.

Availability
The Directory will be available 24/7[1], so that participants can access it whenever they need it.

[1] Excluding any downtime for essential maintenance, which will be communicated to Directory Users in advance

What Are The Directory's Service Levels?

The following service levels will be applied to the Directory:

	Maximum
Incremental Register Checking	As defined by the 'Register Specification'
Data Update Availability[1]	Within 2 hours (Test Version: Expected, Live Version: Committed)
Number of Concurrent Full Downloads	10
Support Availability	Test Version: 9am to 5pm CET, Monday to Friday (normal working days) Live Version: To Be Determined
Support Response Times	Within 24 hours

[1] Assuming that the Data is available in the Register between 9am to 5pm CET, Monday to Friday

What Are The Directory's Standard Usage Limits?

The following usage limits will be applied to Directory Users:

	Recommendation
Full Directory Download	Once
Incremental Directory Download	Once a day
Single Directory Query	When notified
Searching, Listing & Viewing Information[1]	As required
Adding, Editing & Deleting Information[1]	As required

[1] Subject to user permissions

What Are The Directory's Licensing & Access Options?

There are two types of participant who can access the Directory:

Licensees must be Regulated Entities and acquire their License from PRETA. They will access the Directory through a Directory Distributor, who will either be themselves or registered third party.

Directory Distributors are typically Banking Groups or Service Providers that manage data for multiple entities. They can purchase their specific package from PRETA and access the Directory on behalf of Licensees to whom they provide services, including themselves.

Talk to PRETA today and we will talk you through all of the available options.

What Will I Receive If I Join The Directory Today?

Once you have confirmed your requirements and signed your Directory contract with PRETA, you will receive:

✔ A Directory License, to share the test version of the Directory between you and your subsidiaries.
✔ Connection to the Test Version of the Directory, including API and GUI access, notifications, and support.
✔ Onboarding Support, with a testing program and training to get you up and running with the Directory.

Where Can I Find Out More?

To learn more about PRETA Open Banking Europe Directory, please visit our website:

https://www.openbankingeurope.eu/