Peppol

The future is open

Peppol Service Provider Community Meeting

September 26th, 2023

www.peppol.org

Agenda

1. News from Management Committee
2. News from e-Delivery Community
3. News from PostAward Community
4. News from Message Level Status Workgroup
5. Topic of the day – French Poc
6. News from Operational Office
7. AoB

Peppol

1. Update from Management Committee, September 20th

Decisions

Decisions

1. MDEC (Malaysia Digital Economy Corporation) to become a Peppol Authority.

2. Mandate for establishing the PINT Cross-Regional Coordination Board (Consists of PoAcc CMB lead and PA's)

3. EESPA cooperation – composition of the Incubation Monitoring Committee
    1. To appoint the Secretary General André Hoddevik and the MC members Ger Clancy and Arne Johan Larsen to the EESPA Incubation Project Steering Group
    2. To approve the appointment of the following persons to the EESPA Incubation Monitoring Committee (Roel Crooijmans, NPA and Craig Smith, MBIE (PA representatives), Hans Berg, Tickstar and Trond Ausdahl, Visma (SP representatives)

4. Decision on GIF 2.0 Terms of reference (To endorse the revised approach towards a new phase of GIF focusing on strategic diplomacy, To instruct the OO to continue liaising with the group in order to finalise the Terms of Reference)

5. Decision on General Assembly 16 (16th OpenPeppol General Assembly on 8th November 2023, with approval of the new OpenPeppol Statutes as the only agenda item)

6. Approval of new SP member from Nigeria

Membership

Key membership indicators

20

Countries with Peppol Authorities

43

Countries with OpenPeppol members

530

Total number of OpenPeppol members

793.529

Receivers in the Peppol Network (2023.08.21)

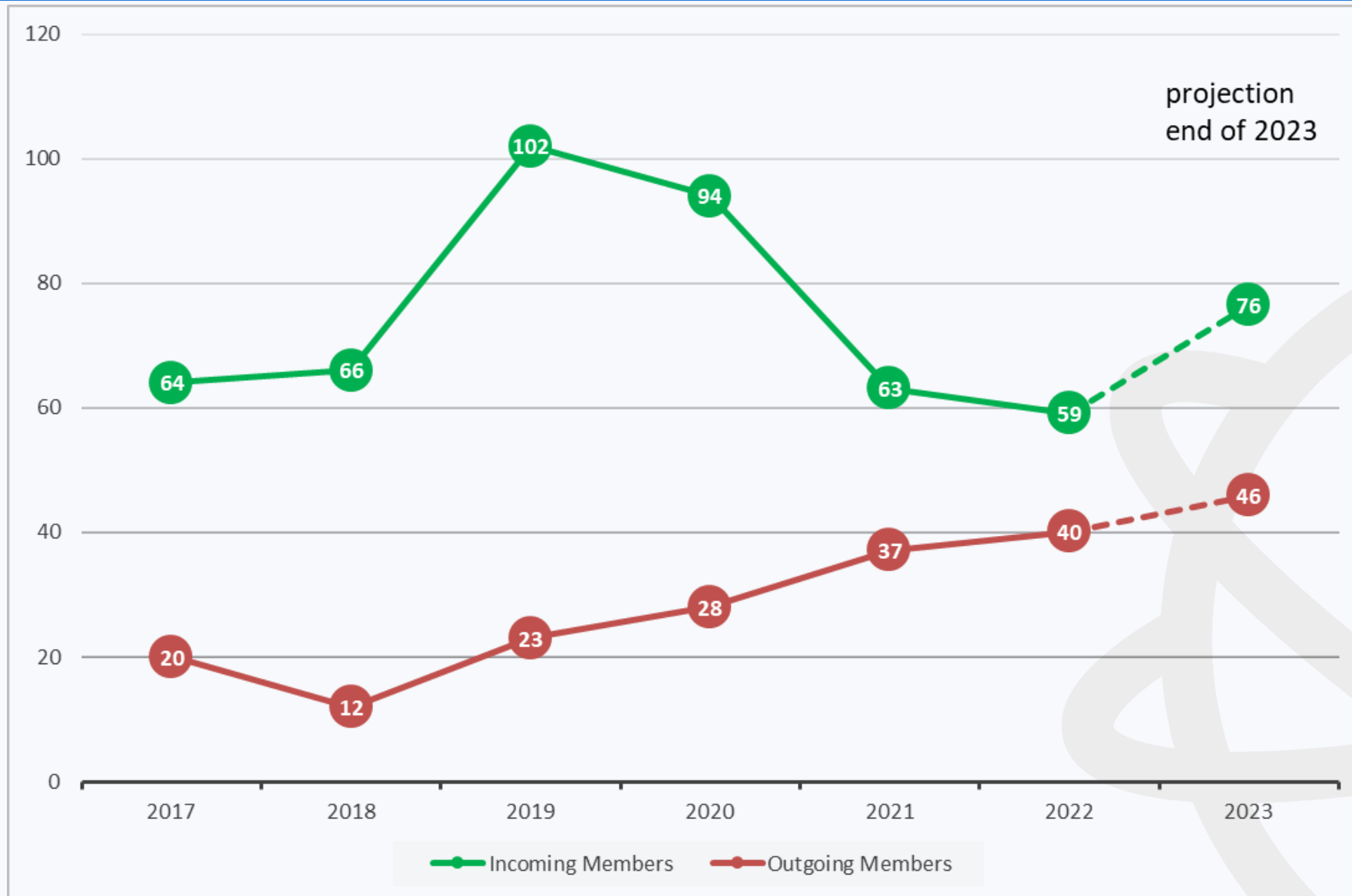# Positive and Negative Growth per country YTD

Positive Growth		
	Country	Growth
1	France	14*
2	Germany	7
3	Luxembourg	4
4	Belgium	3
5	Denmark	3
6	Greece	3
7	Japan	3

* 10 out of 14 are
FR PoC only

Negative Growth		
	Country	Growth
1	Australia	-4
2	Italy	-3
3	Singapore	-2
4	New Zealand	-1
5	UK	-1
6	Ukraine	-1
7	USA	-1

Incoming – Outgoing Members Yearly (FR PoC <u>not</u> included)

Market news

Market development update

- **Malaysia**
  - PINT-based eInvoice specification for Malaysia in development
  - CTC discussions between MDEC and LHDN (Malaysia Tax Administration)
  - OpenPeppol to join MDEC/LHDN discussions, call scheduled for 29th September
  - OpenPeppol to participate at MDX2023 in a panel discussion
- **Japan**
  - all three PINT-based invoice specifications now published by the Japan PA
  - implementation plan for PINT/wildcard published on 1st September by Japan PA
- **South Korea**
  - eInvoice work group formed under Ministry of Trade, Industry and Energy
  - Peppol is under consideration for cross-border invoicing
  - facilitated by KTNET (Korea National Paperless Infrastructure Provider), OO will provide an *Introduction to Peppol* session with the work group on Friday, 22nd September

2. News from e-Delivery Community

eDEC Updates

- **Responsibility of MLR**: eDec have agreed to take on the responsibility of the MLR specification from POAC, acknowledging MLR is a general specification that is usable in all domains, not just POAC.
  - This change was requested by the Operating Office and following discussion with the eDec CMB we agreed the proposal makes sense.

- **Specification updates:** Release of the Peppol Code Lists version 8.6 on 21 August for document types, processes, participant identifier schemes and transport profiles.
  - To be found at: https://docs.peppol.eu/edelivery/codelists/
  - Peppol Business Message Envelope Specification (SBDH) 2.0.1 was published at https://docs.peppol.eu/edelivery/

- **SMP 1.3.0**: The eDEC Change Management Board has approved a new version of the Peppol SMP Specification.
  - Will be published for review by OpenPeppol members asap.
  - Replaces the usage of SHA-1 in signatures with the usage of SHA-256 instead.

eDEC Reminder

- Don't forget to implement Reporting

- Production data MUST be collected starting no later then January 1st, 2024

- First Report MUST be sent in February 2024
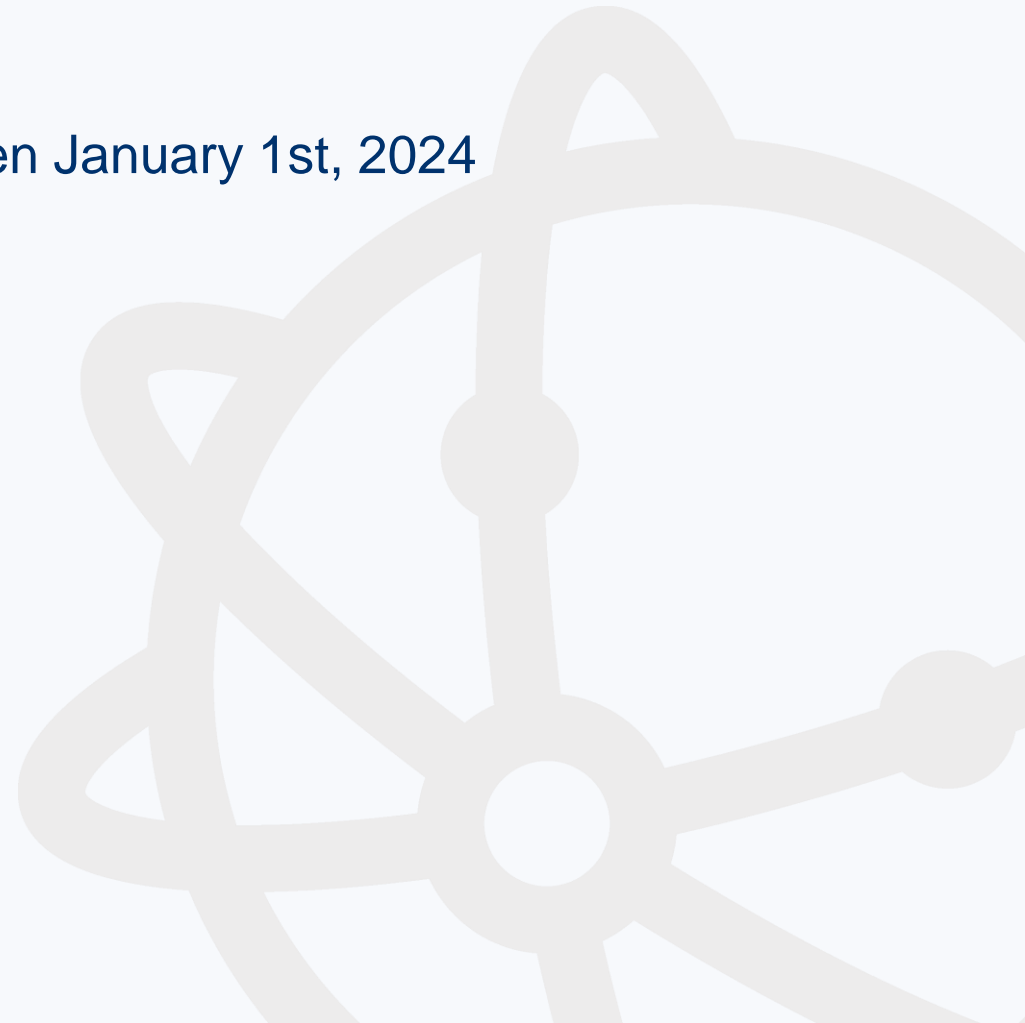
3. News from PostAward Community

Preparation for Nov release (webinar). Positive feedback on requested changes. Still Under question is change on Invoice Note cardinality (from 0..1 to 0…N).

Usual implementation period of 3 months.

4. News from Message Level Status Workgroup

Recap: Original goals

- Reduce the gap between AS4 response and Business Response

- *Issues with messages getting lost, because not delivered (so no business response) and no way to report error*

- Expand scope beyond just validation failures

- *There are many more failure scenarios than just malformed documents*

- Resolve issues with addressing

- *MLS is between C3 and C2, not C3/4 and C1*

Initial draft

- Expanded scope for MLS

- Proposed a choice between 3 scenarios for the process

- Added addressing for C2/C3 based on the upcoming Peppol Seat ID scheme

Initial draft: Scope

- validation errors (same as MLR)

- general content errors (e.g. virus scanner hit on PDF attachment)

- C4 'permanently unavailable'

- Undeliverable because what could be considered business level errors (C4 systems simply won't take the document)

Initial draft: Process

Currently choice between 3 Scenarios:

- Only send reject/failure message
  - no response = "assumed delivered"
- Always send response, e.g. accept, acknowledge, and reject/failed
  - no response = "assumed failed"
- Always send response, including a "delayed" response if response will be slow
  - could reduce number of failed assumptions (if delayed message did arrive)

Initial draft: Addressing

- Addressing should be on C2

- Send to Peppol Seat ID by default, e.g. 02XX:000100. This code will also be used in reporting, but has yet to be registered in ICD list.

- C2 can specify more specific Seat ID Subidentifier in to-be-determined SBDH Scope value, in case of multiple access points

Main issues with first draft

- Scope (C4, reasons for rejection)
- Much discussion on reject-only vs accept/acknowledge
- Some discussion on AS4 headers vs SBDH for signaling address

NOTE WELL

- These slides contain change proposals currently being worked on
  - Wordsmithing in progress
- Changes not final, WG consensus to be determined

Change: Scope

Change in wording:

- A negative MLS message is not a rejection of the message, but a notification of failure to pass on the message.

Remove from scope:

- Final recipient's system is permanently unavailable.

- Business Rule violation where Business Response message cannot be sent

(e.g. Remove mention of C4/final recipient, and remove mention of business rules; those belong in business responses)

Change: Scope

Remarks:

- The MLS message serves as notification of success or failure at C3, not as non-repudiation or acceptance message

- The goal is to be aware of things going wrong, so that they can be resolved.

Change: Scope

C3 is unable to pass on the message, and is not able to send a business response to C1. The message has not been delivered. This response MUST include in text a reason for the failure.

Such a message does not imply whether C3 has or has not fullfilled its business obligations and complies to all agreements and regulations; the rejection message only serves as a notification of failure, so that issues can be detected and resolved.

Proposal: Process

In the previous meeting, 3 scenarios were discussed:

1) Send rejection (failure) only

2) Always send a response

3) Always send a response, including an option for "delayed, final response will come later"

Proposal: Process

Proposed approach

- Support for sending MLS will be mandatory (in future)

  - C2 can request the MLS 'type' in SBDH:

1) Failure only

2) Always (failure, accept, acknowledge)

  - C3 MUST adhere to request

- Delayed (if left in) is optional choice by C3

This approach offers both the "always" option and the more limited "I'm only interested in failures" option, and leaves flexibility for potential mandates, if necessary.

Next steps

Currently updating draft text to reflect these changes

Next WG meeting: **2023-09-26** (10:30 CEST)

5. Topic of the day – French Poc

Agenda Items

1. Overview
2. Requirements
3. Technical Solution
4. PoC Progress
5. Recent Fr Govt Announcement
6. Questions

Overview

1. Apply the DCTCE model to the Y model of the French reform

2. Convince French stakeholders of the value that DCTCE will bring to the market

3. Fr Govt have recently mentioned a delay to Go Live

4. French Govt original Timetable for reform (**subject to change, as per latest info**)

   ➢ July 2024: Mandatory electronic invoice and e-reporting issuance for large companies and reception of e-invoices for all.

   ➢ January 2025: Mandatory electronic invoice and e-reporting issuance for medium sized companies.

   ➢ January 2026: Mandatory electronic invoice and e-reporting issuance for all other companies and taxpayers

5. Joint EESPA/OpenPeppol project working with FNFE
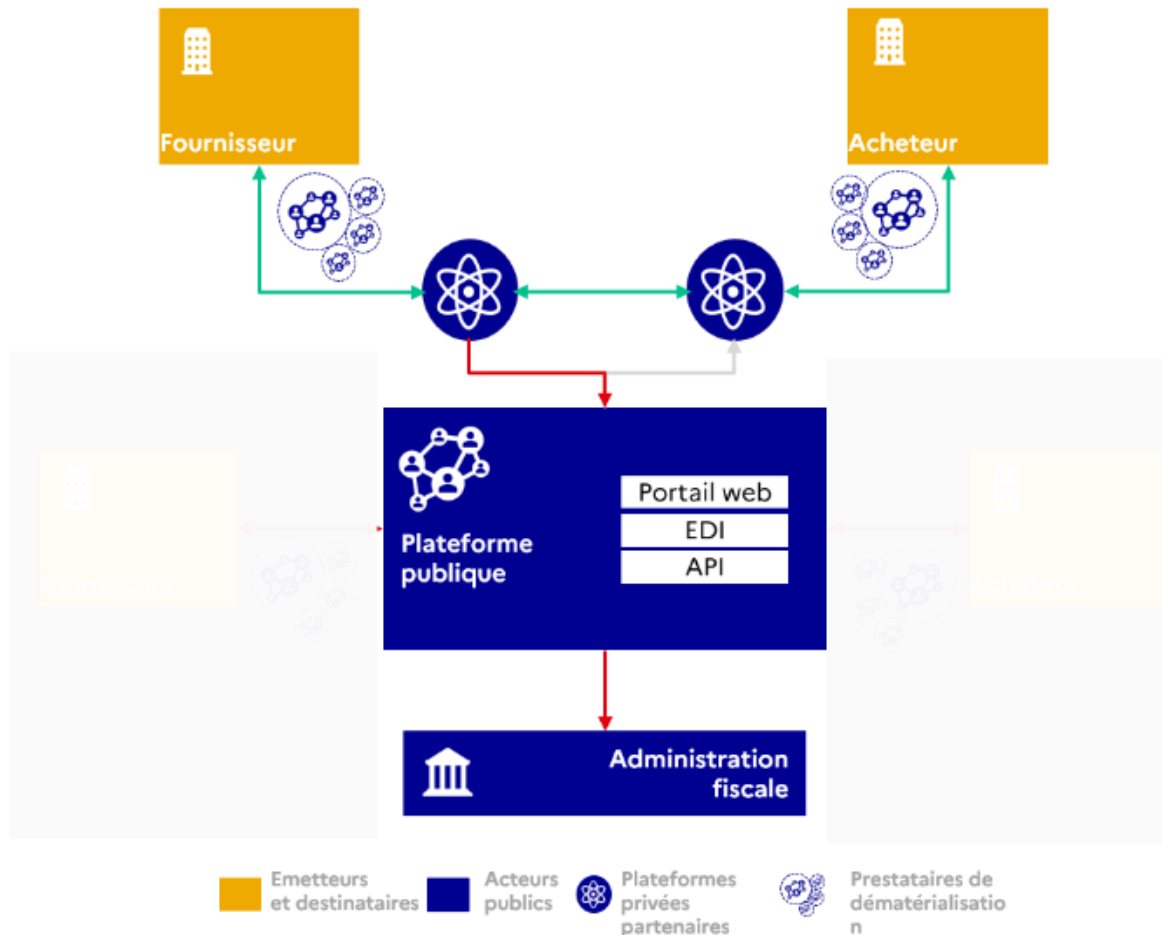
Flow Diagram – Y Model
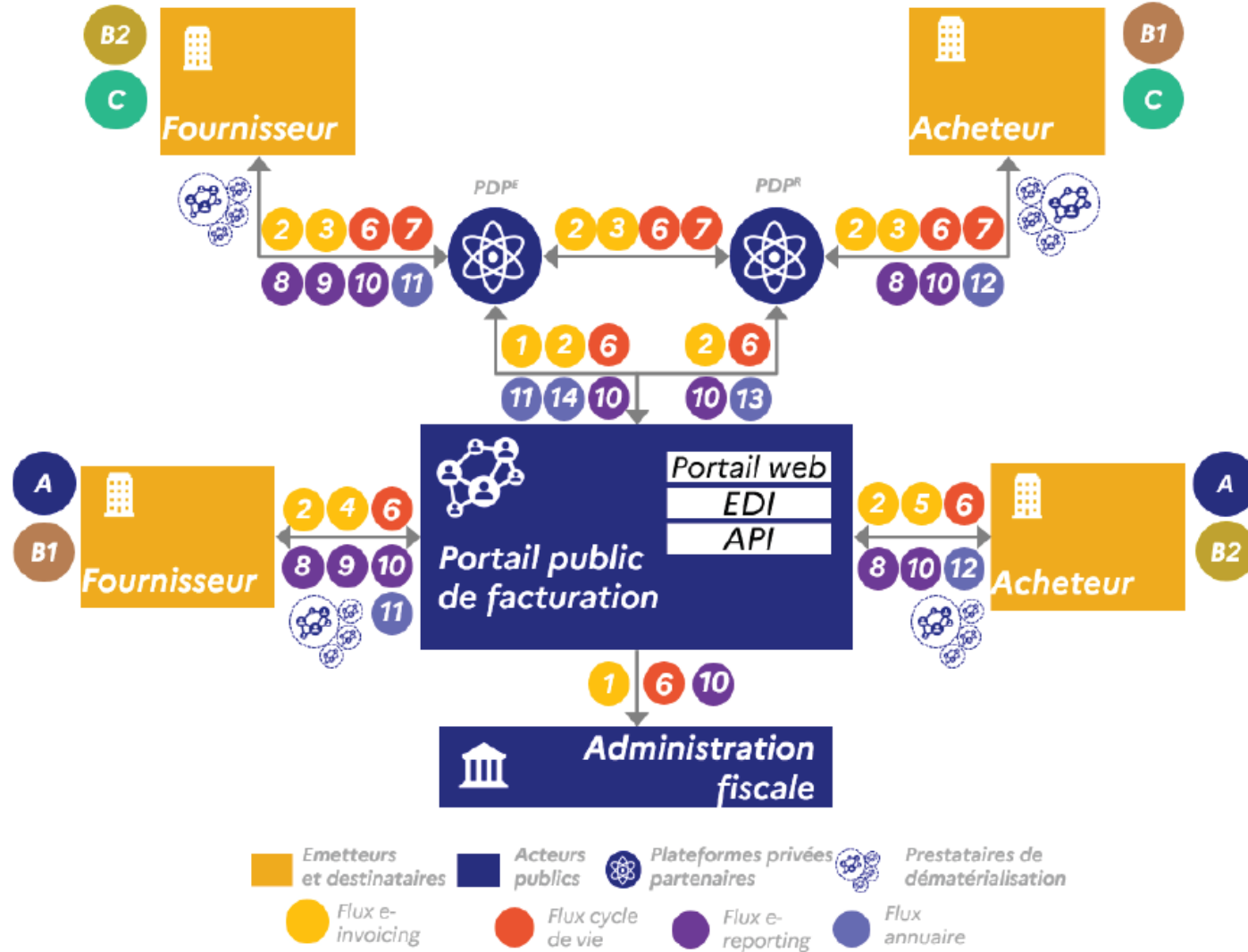
CIRCUITS
Yellow – e-invoicing
Red – Life-Cycle
Purple – e-reporting
Blue – Fr Directory

Flow Diagram – Circuit C

Circuit C

This PoC will prove Circuit C as defined in the "Dossier des specifications externes".

Where both PDP belong to the Peppol Network. The goal is to test how to allow PDP to exchange documents over the Peppol Network, in other formats and using Invoice responses messages in the respect of life cycle requirement in France.

Flexible Approach

1. As this is a POC - the opportunity has been taken to test a number of options.
2. French requirements extend beyond the current scope of Peppol Post-Award Service Domain;
   - ➢ Payload types that include hybrid and non-standard (such as EDIFACT).
   - ➢ Annuaire, (French Directory)
3. These have been incorporated in the Handbook and How to Guide
4. Aim has been to allow individual participants to chose which elements they wish to test whist ensuring that a full test of all the options is achieved
5. Significant Testing has already been carried out
6. Aim is to allow any SP to join at any stage

Phases and Timescales

Slightly amended timelines for the phases;

Phases	Description	Timescales
Phase 1	- Simple E-invoice exchange • UBL Envelope • MLR	Largely complete
Phase 2	- Lifecycle Message • CDAR only(FR regulation response message) - Utilized Formats in Peppol Native • UBL • CII • Factur-x • EDIFACT	In progress
Phase 3	- Other invoices types foreseen by French regulation • Self Billed Invoice • Corrected Invoice • Etc.. - Duplicate handling - Use own SMP - Use IMR for response messages	tbc
Phase 4	Coordination with the Fr Govt Pilot and dummy Directory	tbc

The precise content of the phases will be determined as increased functionality becomes available and the way ahead is confirmed by the Fr Govt

Technical Testing Solution – Work done so far

1. Testing has been carried out on the Peppol Network by some 20 participants

2. In absence of the French Test Directory a Test SMP is being maintained by OpenPeppol OO as part of the Project Team

   ➢ OpenPeppol acts as the Certification Authority and has issued the French PDP Access Point certificates to the participants in the POC.

3. Focus of initial testing has been to allow PDP to exchange documents over the Peppol Network in other formats.

4. Following file formats are permitted - UBL/CII/Factur-X/EDIFACT

Technical Testing Solution Follow On Work

1. In order to allow in the future the smooth exchange of documents good progress has been made on conducting a gap analysis to determine how much effort will be required to update the Peppol formats;

    ➢ "Peppol Native" option
      ➢ Reusing the existing SBDH for exchanging different type of invoices within France domain can simplify the process. This approach eliminates the need to create a new UBL envelope document each time and streamlines the exchange of various invoice types.
    ➢ Incorporate CDAR requirements into the IMR
    ➢ Assess whether a Peppol BIS Billing 3.0 Extension for France might fit the French regulation requirements and provide advantages to implementers

2. Access to the Fr Directory will be an important element of the PoC when available

3. E-Reporting will be considered at a later date if the PPF connects to Peppol

PoC Participants - Overview

1. Currently 50 SPS have declared their interest to participating in the PoC - and joined the separate Working Group

2. 36 SPs have now received the Test Certificates

3. 26 have SMP registrations

4. 15 countries represented;
   - France (25), Belgium (4), Sweden (3), Spain (3), Germany (2), Italy (2), USA (2), Denmark, Finland, Switzerland, Portugal, UK, Holland, Poland, India

5. 20 SPs have conducted Phase 1 tests

6. Participation remains open

7. Full list of participants is available on the Confluence page;

Participants (only OpenPeppol to update) - France PoC - Confluence (atlassian.net)

DGFIP/AIFE - Recent Postponement of Go Live

1. The French government has postponed the implementation of its electronic invoicing system.

2. The Fr Govt is now receiving many comments on a proposed possible 18-24 month delay. Nothing is confirmed and will be subject to a new Finance Law which will be proposed in Oct and pass into law in December.

3. No new date for implementation announced yet and impact on planned Govt Pilot has yet to be determined.

4. Decision has been made to continue with the Fr PoC until more information is available

6. News from Operational Office

Beta testing reporting status

- A few SPs participated in the first round.
    - Reports received
    - First bugs resolved

- Second round of beta testing in October
    - All SPs are invited to participate. Send a mail to openpeppol@peppol.eu

PINT Specialisations

- PINT A-NZ
  - Currently under member review
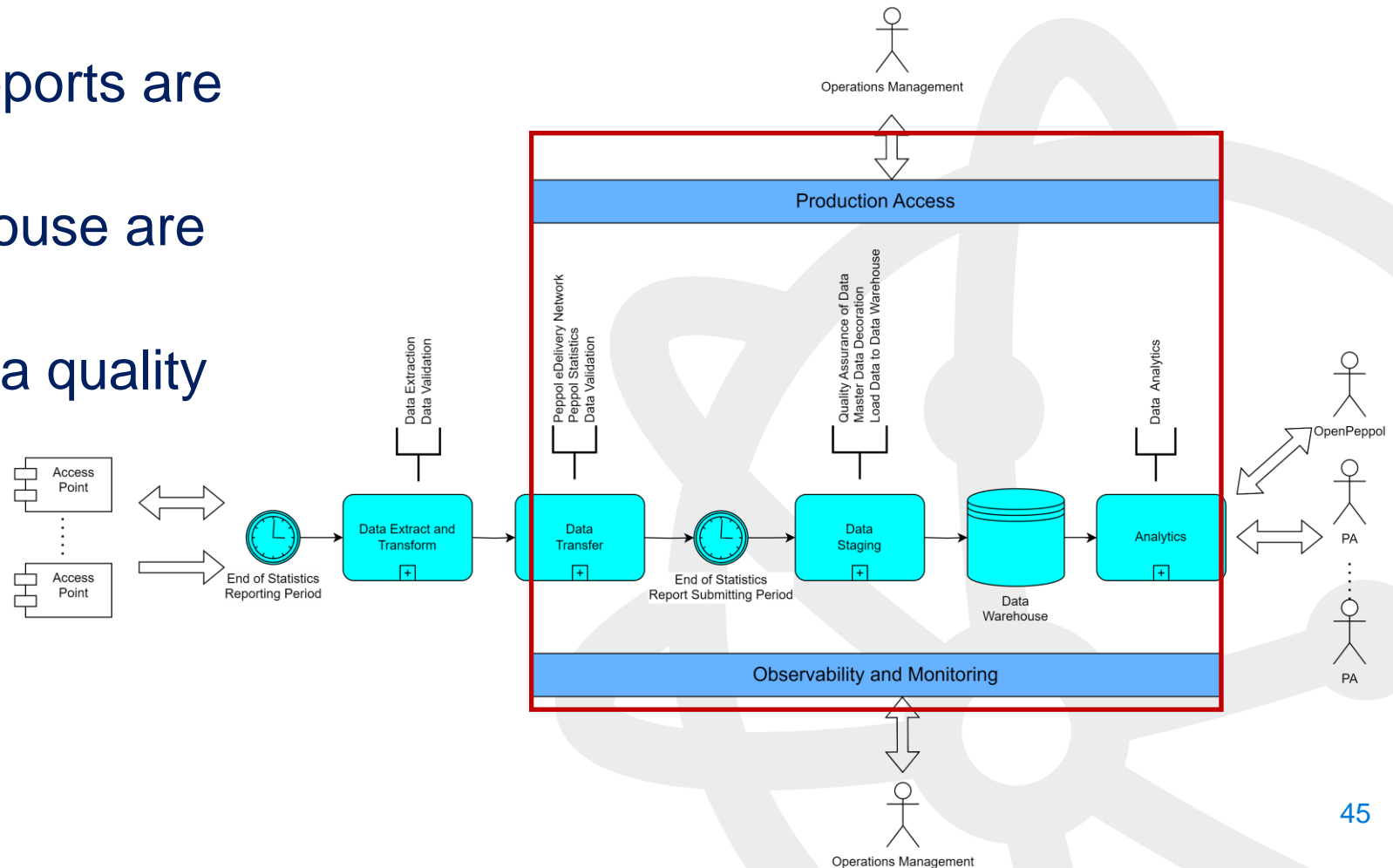
- PINT SG
  - Review expected to start next week.
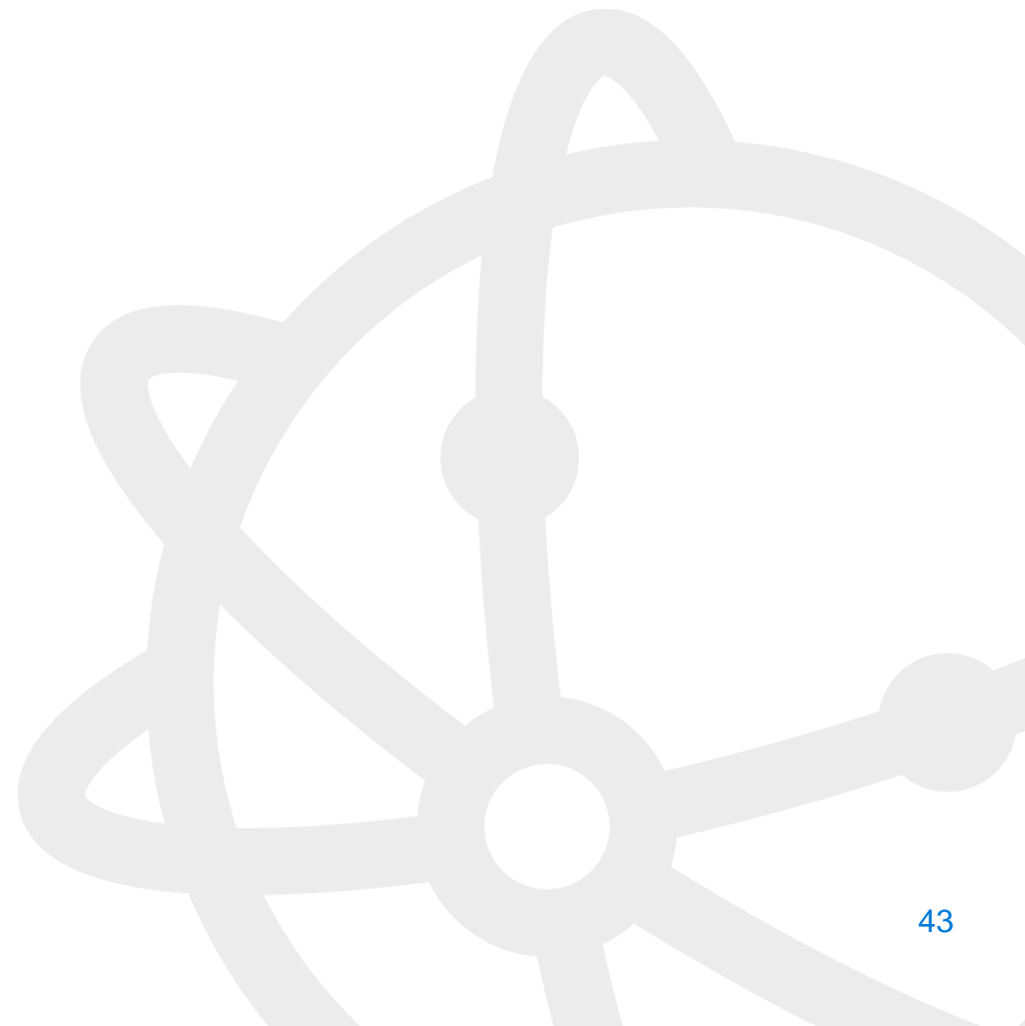
Statistics Reporting Security

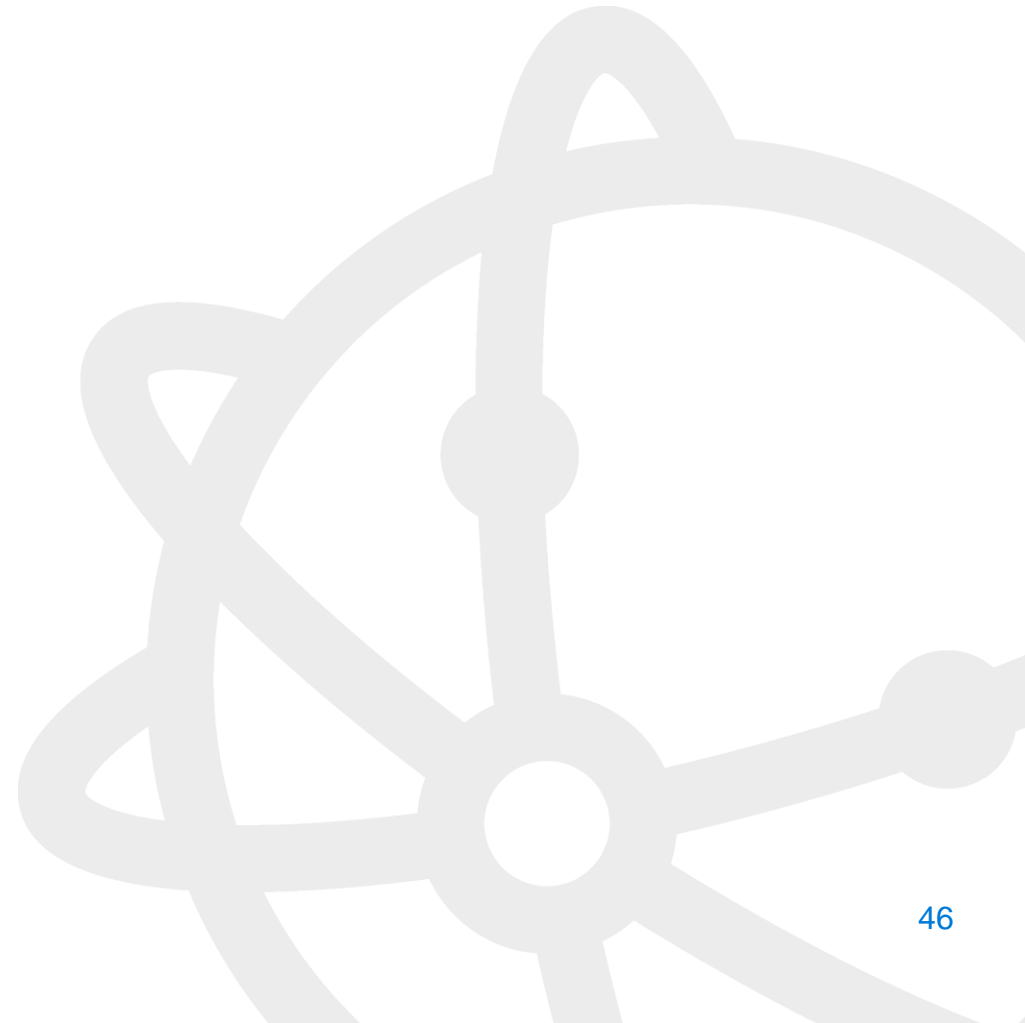# Policy and Perimeter

Policy

- Data in the Statistics Reports are considered sensitive

- Data in the Data Warehouse are considered sensitive

- Secure high level of Data quality

Principles

- Segregation of Data
- Segregation of duties
- Network Segregation
- Encryption at rest
- Encryption in transit
- Redundancy and Scalability
- Observability-Monitoring

Infrastructure

- AWS Private Cloud

- Private Subnet

- Use of well established AWS services:
  - Postgresql, S3, Quicksight, SQS, ECS, Lampda, ALB
  - Cloudwatch
  - Security Groups, WAF, IAM, KMS

Points of Access

Reporting Data

- **Access Point**
  - Firewalls
  - Validating Reports

- **Peppol Authority/Peppol OO**
  - Se next slide

- **Operations Management**
  - Observability (only System state and performance)
  - Production Access (se next slide)
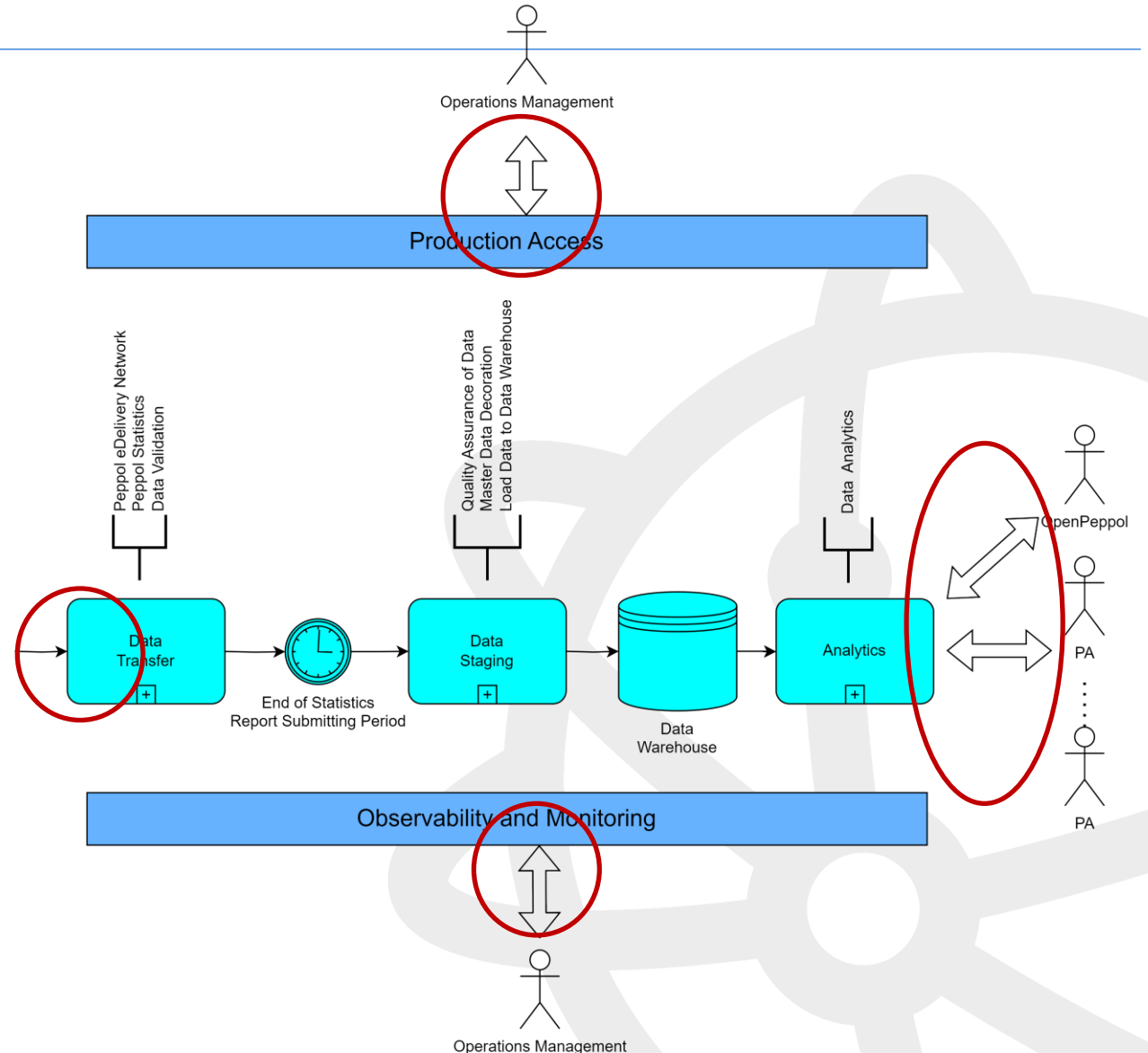
Points of Access

## Peppol Authority and Peppol OO

- Data Access through AWS Quicksight
  - Token based access using AWS Cognito User Pool
- Access to restricted (relevant) dataset
  - Quicksight configuration

IT Operations Management

- AWS IAM
- Access to full production environment
- All activities are logged
- Monthly Security Audit
- Access permission (non-technical)

Data stores

- ## Data Transfer: S3 (encrypted)
  - ○ Intermediate

- ## Data Transfer: PostgreSQL (encrypted)
  - ○ Staging Storage

- ## Data Staging: PostgreSQL (encrypted)
  - ○ Staging Storage
  - ○ Data Warehouse
  - ○ Masterdata
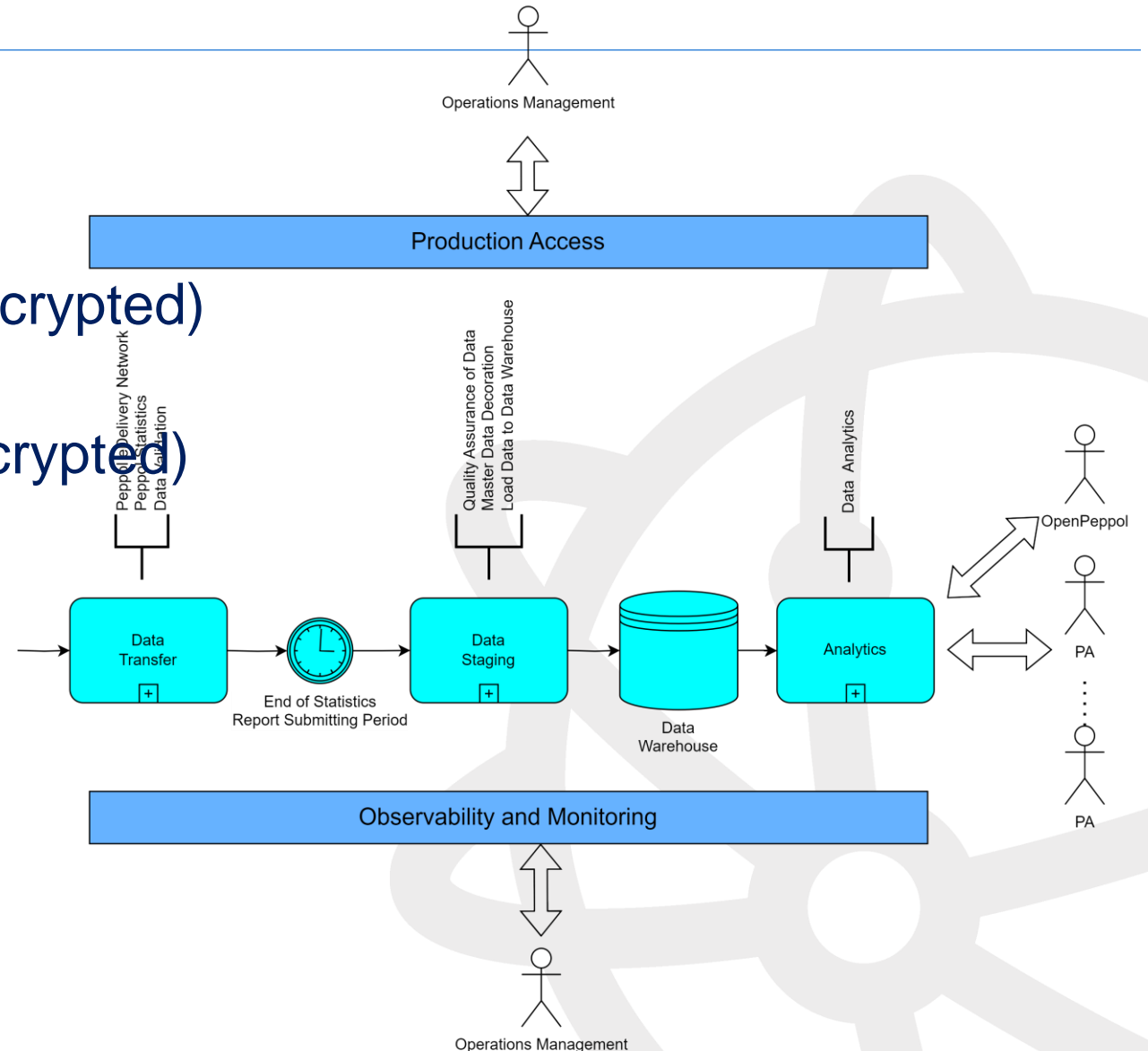
Security Processes

- Monthly Security Audits
  - Access
  - Performance
  - Availability
  - Behaviour
  - Assessment of Security Measures, Processes and Policies
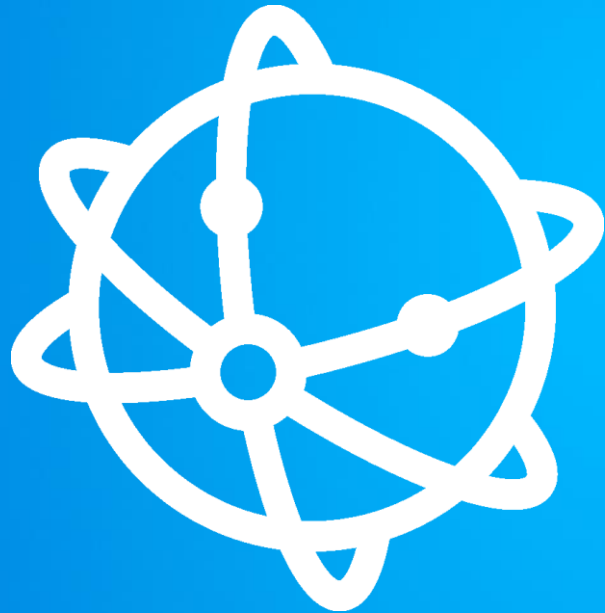
THANK YOU!

MORE INFORMATION

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