



# Peppol

The future is open

## Information Session Reporting BISs

Virtual meeting 08.06.2022, 09:00 – 10:30 CEST

[www.peppol.eu](http://www.peppol.eu)

Peppol is owned by OpenPeppol AISBL



# Peppol

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## 1. Introduction

- a. Agenda
- b. The need for reporting
- c. Scope

5 mins

# Agenda

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1. Introduction
  - a. The need for reporting
2. Reporting Process
  - a. Actors
  - b. Reporting Processes
3. Transaction Statistics Reporting BIS
4. Peppol Envelope 2.0
5. End User Reporting BIS
6. Roll-out
7. Resources
8. Questions

# The need for reporting

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- Following requirements described in “[Internal Regulations - Use of Peppol Network\\_v1.0 APPROVED 2021.11.16.pdf](#)” document (in the version of 05.12.2021)
  - Chapter 3.3 End User Identification
  - Chapter 4 Data Usage and Reporting Policy
  - Chapter 4.3 Service Provider Reporting about End Users
  - Chapter 4.4 Service Provider Reporting on Transaction Statistics

# Scope of this presentation

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- In scope
  - Peppol Reporting BIS
  - Peppol Envelope Specification 2.0
  - The tasks for Peppol Service Providers
- Out of scope
  - The tasks of OpenPeppol and the Peppol Authorities
  - Reasons for not liking one or the other type of reporting ;-)
  - The BIS are currently under review – use your chance and comment extensively
    - see section “Roll-out” for the timeline
    - see section “Resources” for the source of the comment template



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## 2. Reporting Process

- a. Actors
- b. Reporting Processes

5 mins

# Actors

---

- End User Reporting and Transaction Statistics Reporting are new requirements within OpenPeppol.
- These requirements apply to specific SPs only.
- The requirements and to whom they apply → described in the Internal Regulations of OpenPeppol

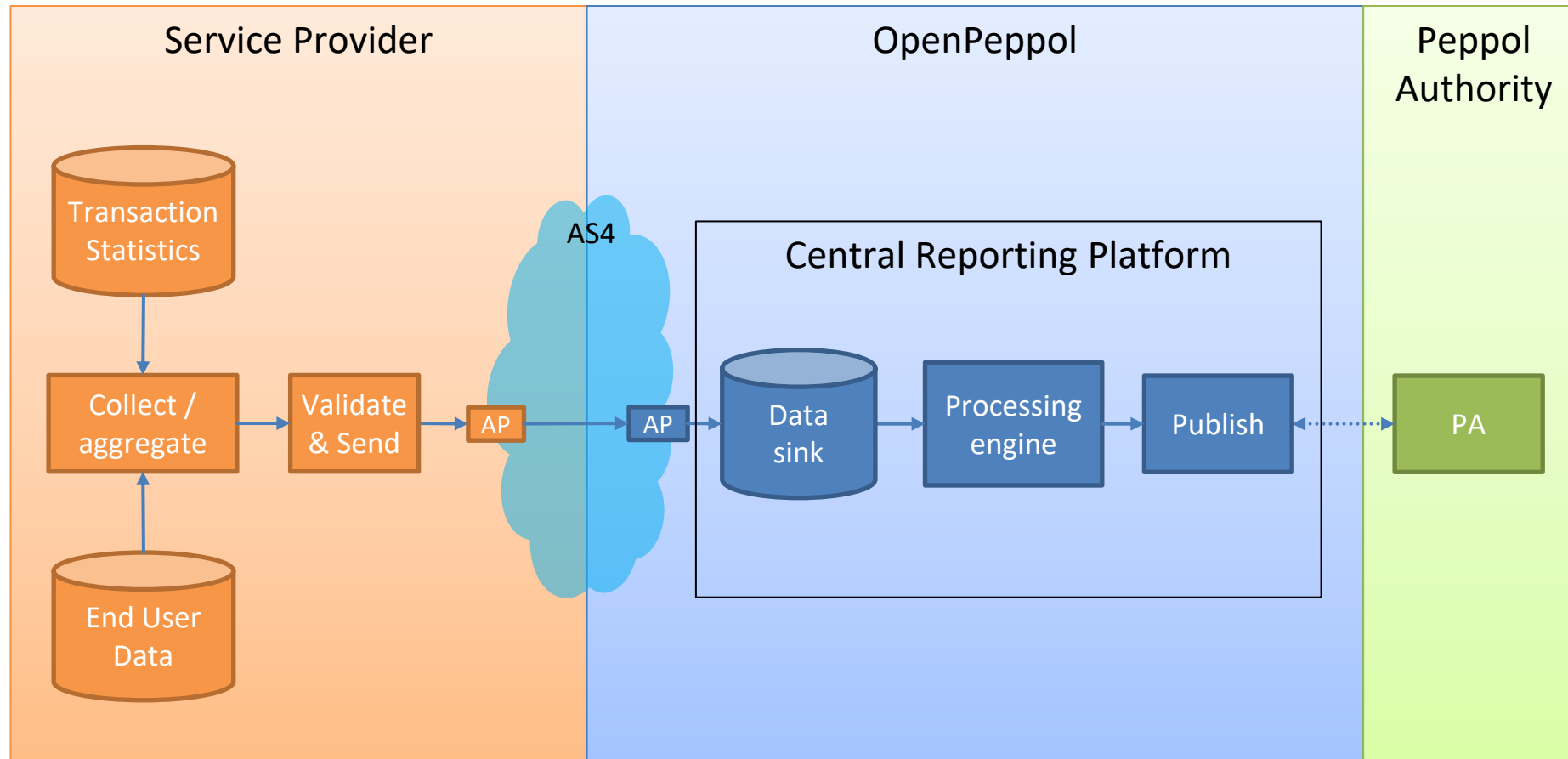
The following parties send the report:

- Service Providers offering the exchange of Dataset Types (AP)
- Excluded: Service Providers offering only Capability Lookup Services (SMP)

Reports are received solely by:

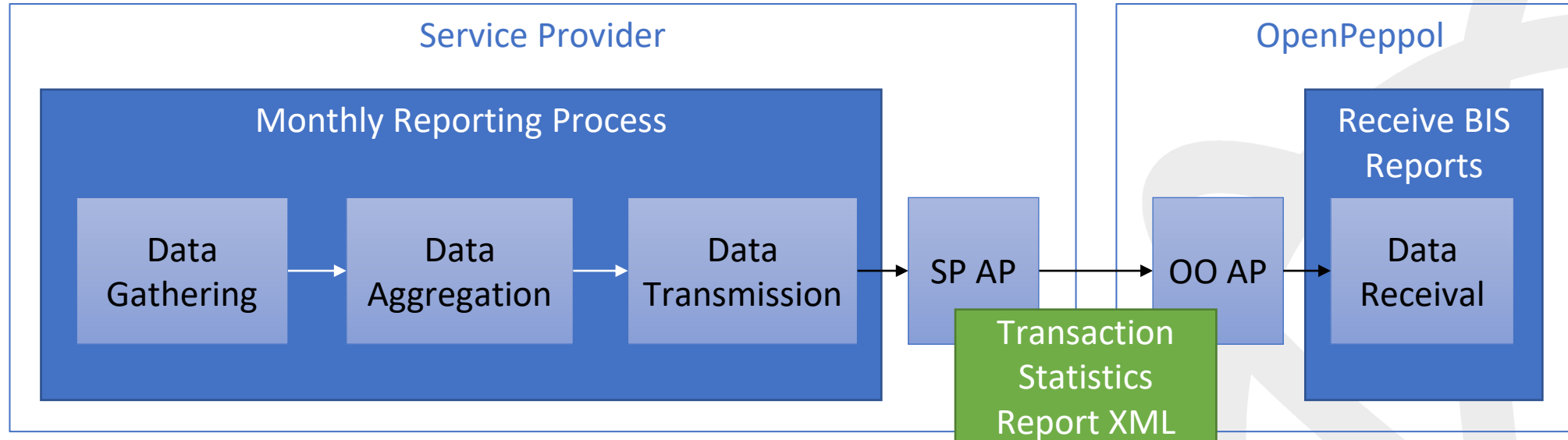
- OpenPeppol

# General Reporting Process

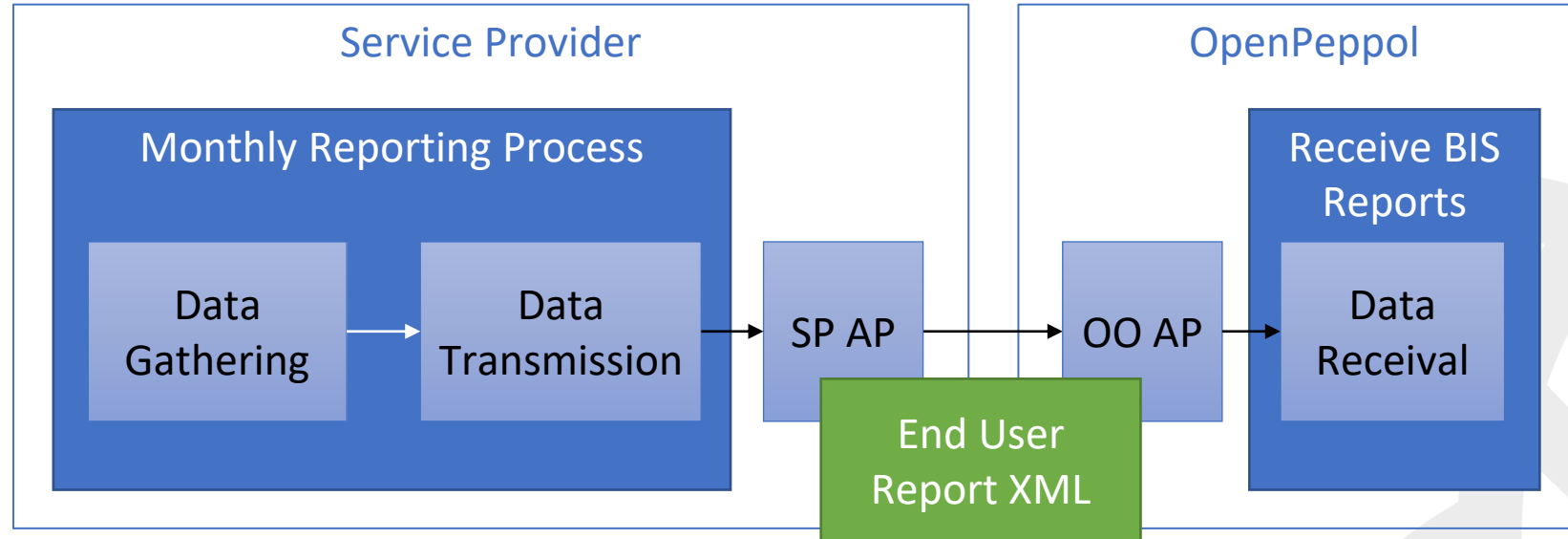




# Transaction Statistics Report Process



# End User Report Process





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## 3. Transaction Statistics Reporting BIS

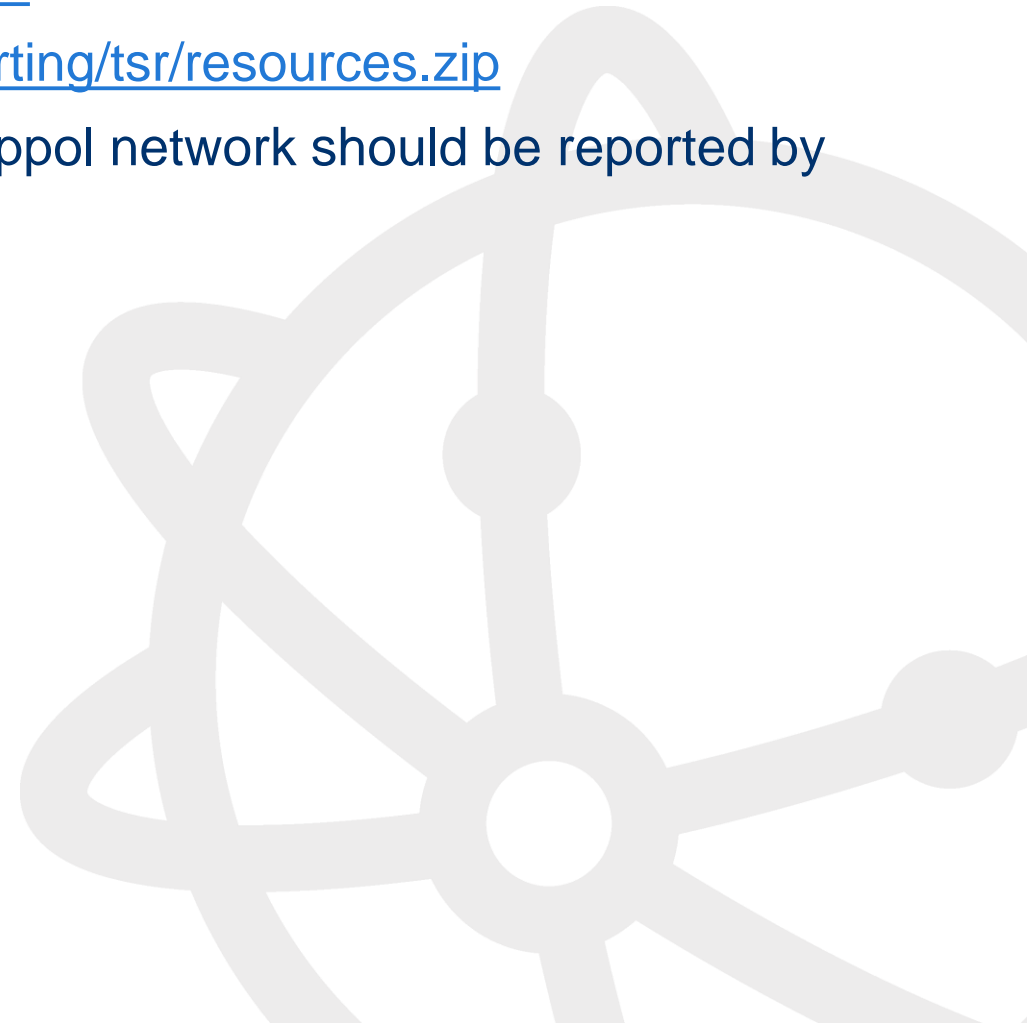
- a. Introduction
- b. Data Gathering
- c. Data Aggregation
- d. Data Transmission
- e. Technical representation

30 mins

# Transaction Statistics Reporting BIS

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- Documentation: <https://test-docs.peppol.eu/reporting/tsr/>
- XSD, Schematron etc: <https://test-docs.peppol.eu/reporting/tsr/resources.zip>
- Goal: the number of messages exchanged over the Peppol network should be reported by the Service Providers to OpenPeppol
- Three-step process for a Service Provider
  - Data gathering
  - Data aggregation
  - Data transmission



# Transaction Statistics Data Gathering (1/4)

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- The Reporting Period defines the period in which data needs to be gathered
  - starts with the first day of every month at 00:00:00 UTC (inclusive)
  - ends with the last day of said month at 23:59:59 UTC (inclusive)
  - → second granularity is sufficient
- Only Service Providers offering the exchange of Dataset Types must gather this data
  - → exclude SMP-only SPs
- Only data for production **MUST** be sent
  - → of course a test transmission will be possible
- What is in?
  - Dataset exchanges that resulted in a positive transport level acknowledgment (like AS4 Receipts)
- What is out?
  - Transmissions that failed on a network (HTTP) or protocol (AS4) level
  - End User Reports and Transaction Statistics Reports themselves **MUST NOT** be counted

# Transaction Statistics Data Gathering (2/4)

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Fields to be gathered, according to IR (chapter 4.4)

1. Timing of the exchange
2. Direction of the exchange (incoming or outgoing)
3. Sending Peppol Service Provider
  - Peppol Seat ID of C2
4. Receiving Peppol Service Provider
  - Peppol Seat ID of C3
5. Peppol Dataset Type (Document Type ID)
6. Transport protocol used
7. Country of sender
8. Country of receiver

# Transaction Statistics Data Gathering (3/4)

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- Source: “Peppol Reporting – Guideline for Service Providers”

## 1. Timing of the exchange

- AS4 field `eb:UserMessage/eb:MessageInfo/eb:Timestamp` converted to UTC

## 2. Direction of the exchange (incoming or outgoing)

- Taken from the action itself – sending or receiving
- Sent messages only count to “outgoing”, received messages only count to “incoming”

## 3. Sending Peppol Service Provider

- Sent messages: own Seat ID
- Received messages: Seat ID from Peppol AP certificate of sending AP

## 4. Receiving Peppol Service Provider

- Sent messages: Seat ID from Subject CN of Peppol AP certificate from SMP endpoint lookup
- Received messages: own Seat ID

# Transaction Statistics Data Gathering (4/4)

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## 5. Peppol Dataset Type (Document Type ID)

- AS4: `eb:UserMessage/eb:CollaborationInfo/eb:Action`
- SBDH: `StandardBusinessDocumentHeader/BusinessScope/Scope[Type="DOCUMENTID"]`

## 6. Transport protocol used

- Deduced by the used software component (most likely only `peppol-transport-as4-v2_0`)

## 7. Country of sender

- Requires new Peppol Envelope specification 2.0
- SBDH: `StandardBusinessDocumentHeader/BusinessScope/Scope[Type="COUNTRY_C1"]`

## 8. Country of receiver

- Requires new Peppol Envelope specification 2.0
- SBDH: `StandardBusinessDocumentHeader/BusinessScope/Scope[Type="COUNTRY_C4"]`



# Transaction Statistics Data Aggregation

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- Transaction Statistics Report data needs to be aggregated before being transmitted to OpenPeppol
- → no specific transaction can be traced
- → no End User details or other payload-specific data is reported
- The following aggregations **MUST** be provided to be compliant to this specification:
  - Transport Protocol only
  - Service Provider and Dataset Type
  - Service Provider, Dataset Type, Sender Country and Receiver Country
    - Relationship to the Peppol Envelope Specification 2.0

# Transaction Statistics Data Transmission (1/2)

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## Frequency

- A Transaction Statistics Report **MUST** be transmitted once per month (Reporting Period)
- A Transaction Statistics Report **MUST** be transmitted within 10 calendar days (inclusive) after the end of the previous Reporting Period
- The Transaction Statistics Report **MUST** be transmitted, even if no other Peppol exchange happened in the Reporting Period
- In case the Transaction Statistics Report of one Service Provider is received multiple times for one Reporting Period, only the latest received document will be processed
- Transaction Statistics Reports received after the deadline **WILL NOT** be processed

# Transaction Statistics Data Transmission (2/2)

---

## Data

- Only Transaction Statistics Reports on the Production stage **MUST** be transmitted
- Each Transaction Statistics **MUST NOT** occur more than once in a Transaction Statistics Report
- The data of each Transaction Statistics must be reported in the designated elements
- The Reporting Period **MUST** be part of the Transaction Statistics Report
- An identifier uniquely identifying the reporting Service Provider **MUST** be part of the Transaction Statistics Report

## Network

- Transaction Statistics Reports must be transmitted via the Peppol eDelivery Network
  - → Target Peppol Participant ID will be announced separately
- Only OpenPeppol is allowed to receive Transaction Statistics Reports directly

# Code Snippet – empty report

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <TransactionStatisticsReport xmlns="urn:fdc:peppol:transaction-statistics-reporting:1.0">
3   <CustomizationID>urn:fdc:peppol.eu:oo:trns:transaction-statistics-reporting:1</CustomizationID>
4   <ProfileID>urn:fdc:peppol.eu:oo:bis:reporting:1</ProfileID>
5   <Header>
6     <ReportPeriod>2022-01</ReportPeriod>
7     <ReporterID schemeID="CertSubjectCN">POP000360</ReporterID>
8   </Header>
9   <Total>
10    <Incoming>0</Incoming>
11    <Outgoing>0</Outgoing>
12  </Total>
13 </TransactionStatisticsReport>
```

Header data

Reporting period &  
Sending AP?

Total sums

# Code Snippet – filled report (1/3)

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <TransactionStatisticsReport xmlns="urn:fdc:peppol:transaction-statistics-reporting:1.0">
3   <CustomizationID>urn:fdc:peppol.eu:oo:trns:transaction-statistics-reporting:1</CustomizationID>
4   <ProfileID>urn:fdc:peppol.eu:oo:bis:reporting:1</ProfileID>
5   <Header>
6     <ReportPeriod>2022-01</ReportPeriod>
7     <ReporterID schemeID="CertSubjectCN">POP000360</ReporterID>
8   </Header>
9
10  <!-- Totals -->
11  <Total>
12    <Incoming>23</Incoming>
13    <Outgoing>0</Outgoing>
14  </Total>
15
16  <!-- Sum per TP must match TotalCount -->
17  <Subtotal type="PerTP">
18    <Key metaSchemeID="TP" schemeID="Peppol">peppol-transport-as4-v2_0</Key>
19    <Incoming>23</Incoming>
20    <Outgoing>0</Outgoing>
21  </Subtotal>

```

Header data

Reporting period & Sending AP?

Total sums

Sum per Transport Protocol

# Code Snippet – filled report (2/3)

Sum per combination of SP and DocType ID

$$5+2+16=23$$

```

23 <!-- Subtotals must match Total -->
24 <Subtotal type="PerSP-DT">
25   <Key metaSchemeID="SP" schemeID="CertSubjectCN">POP000001</Key>
26   <Key metaSchemeID="DT" schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:ce
27   <Incoming>5</Incoming>
28   <Outgoing>0</Outgoing>
29 </Subtotal>
30
31 <Subtotal type="PerSP-DT">
32   <Key metaSchemeID="SP" schemeID="CertSubjectCN">POP000001</Key>
33   <Key metaSchemeID="DT" schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote##
34   <Incoming>2</Incoming>
35   <Outgoing>0</Outgoing>
36 </Subtotal>
37
38 <Subtotal type="PerSP-DT">
39   <Key metaSchemeID="SP" schemeID="CertSubjectCN">POP000002</Key>
40   <Key metaSchemeID="DT" schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:ce
41   <Incoming>16</Incoming>
42   <Outgoing>0</Outgoing>
43 </Subtotal>

```

# Code Snippet – filled report (3/3)

```

45 <!-- Subtotals must match Total -->
46 <Subtotal type="PerSP-DT-CC">
47   <Key metaSchemeID="SP" schemeID="CertSubjectCN">POP000001</Key>
48   <Key metaSchemeID="DT" schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Invo
49   <Key metaSchemeID="CC" schemeID="SenderCountry">AT</Key>
50   <Key metaSchemeID="CC" schemeID="ReceiverCountry">DE</Key>
51   <Incoming>4</Incoming>
52   <Outgoing>0</Outgoing>
53 </Subtotal>
54
55 <Subtotal type="PerSP-DT-CC">
56   <Key metaSchemeID="SP" schemeID="CertSubjectCN">POP000001</Key>
57   <Key metaSchemeID="DT" schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Invo
58   <Key metaSchemeID="CC" schemeID="SenderCountry">DE</Key>
59   <Key metaSchemeID="CC" schemeID="ReceiverCountry">DE</Key>
60   <Incoming>1</Incoming>
61   <Outgoing>0</Outgoing>
62 </Subtotal>
63
64 <Subtotal type="PerSP-DT-CC">
65   <Key metaSchemeID="SP" schemeID="CertSubjectCN">POP000001</Key>
66   <Key metaSchemeID="DT" schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Cred
67   <Key metaSchemeID="CC" schemeID="SenderCountry">BE</Key>
68   <Key metaSchemeID="CC" schemeID="ReceiverCountry">DE</Key>

```

Sum per combination of SP and DocType ID and Sender country and Receiver country

...

# Transaction Statistics Header

---

The element Header contains the reporting period and the ID of the reporting Service Provider.

*Example:*

```
<tsr:Header>
  <tsr:ReportPeriod>2022-01</tsr:ReportPeriod>
  <tsr:ReporterID schemeID="CertSubjectCN">POP000360</tsr:ReporterID>
</tsr:Header>
```

- The element ReportPeriod MUST contain the year and month of the reporting period. This element MUST NOT contain time zone information
- The element ReporterID MUST contain the unique identification of the Service Provider that is providing the data. If the schemeID attribute is set to CertSubjectCN than the value must be the Peppol AP Certificate Subject CN (Common Name)



# Totals

---

Defines the total amount of exchanged Datasets in the Reporting Period

*Example of a Total element with 23 received and no sent Datasets:*

```
<tsr:Total>
  <tsr:Incoming>23</tsr:Incoming>
  <tsr:Outgoing>0</tsr:Outgoing>
</tsr:Total>
```

- The element Total and its child elements MUST be provided for every Transaction Statistics Report
- The element Total/Incoming contains the total amount of incoming / received Datasets. Only values  $\geq 0$  are allowed
- The element Total/Outgoing contains the total amount of outgoing / sent Datasets. Only values  $\geq 0$  are allowed

# Subtotals in general

```
XML
<tsr:Subtotal type="PerTP">
  <tsr:Key metaSchemeID="TP" schemeID="Peppol">peppol-transport-as4-v2_0</tsr:Key>
  <tsr:Incoming>23</tsr:Incoming>
  <tsr:Outgoing>0</tsr:Outgoing>
</tsr:Subtotal>
```

- Each Subtotal has a type (identified by the type attribute)
  - Currently 3 types are defined
- The Subtotal Type defines the required keys (1..n)
  - Verified in the Schematron rules
- Each Subtotal **MUST** have a non-negative Incoming and Outgoing amount
  - At least Incoming or Outgoing must be > 0
  - The sum of all Incoming elements of Subtotals with the same type, **MUST** match the total Incoming amount (Total/Incoming)
  - The sum of all Outgoing elements of Subtotals with the same type, **MUST** match the total Outgoing amount (Total/Outgoing)

# Subtotals per Transport Protocol

*Example of a subtotal per Transport Protocol:*

```
XML
<tsr:Subtotal type="PerTP">
  <tsr:Key metaSchemeID="TP" schemeID="Peppol">peppol-transport-as4-v2_0</tsr:Key>
  <tsr:Incoming>23</tsr:Incoming>
  <tsr:Outgoing>0</tsr:Outgoing>
</tsr:Subtotal>
```

- This subtotal is identified by the type attribute having the value PerTP
- This subtotal requires one Key element with a Meta Scheme ID of TP (Transport Protocol). The schemeID attribute of this Key element MUST have the value Peppol. The value of the Key element MUST be the transport protocol identifier according to the Transport Profiles code list (<https://docs.peppol.eu/edelivery/codelists/>)
- Each Transport Protocol MUST be reported in a separate Subtotal element
- The sum all incoming amounts per Transport Protocol MUST match the total incoming amount (Total/Incoming)
- The sum all outgoing amounts per Transport Protocol MUST match the total outgoing amount (Total/Outgoing)

# Subtotals per SP and Dataset Type (1/2)

*Example of a subtotal per Service Provider and Dataset Type:*

```
<tsr:Subtotal type="PerSP-DT">
  <tsr:Key metaSchemeID="SP" schemeID="CertSubjectCN">POP000001</tsr:Key>
  <tsr:Key metaSchemeID="DT" schemeID="busdox-docid-
qns">urn:oasis:names:specification:ubl:schema:xsd:Invoice-
2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0::2.1</tsr:
Key>
  <tsr:Incoming>5</tsr:Incoming>
  <tsr:Outgoing>0</tsr:Outgoing>
</tsr:Subtotal>
```

- This subtotal is identified by the type attribute having the value PerSP-DT
- This subtotal requires one Key element with a Meta Scheme ID of SP (Service Provider). The schemeID attribute of this Key element MUST have a value according to the “Reporter Identification Scheme code list”. The value of the Key element MUST follow the rules of the chosen scheme

## Subtotals per SP and Dataset Type (2/2)

---

- This subtotal requires one Key element with a Meta Scheme ID of DT (Dataset Type). The schemeID attribute of this Key element MUST be the Document Type Identifier Scheme of the exchanged Dataset (usually busdox-docid-qns). The value of the Key element MUST be the Dataset Type (Document Type) Identifier value of the exchanged Dataset
- Each combination of Service Provider and Dataset Type MUST be reported in a separate Subtotal element
- The sum all incoming amounts per Service Provider and Dataset Type MUST match the total incoming amount (Total/Incoming)
- The sum all outgoing amounts per Service Provider and Dataset Type MUST match the total outgoing amount (Total/Outgoing)



For outgoing messages, only the receiving Service Provider needs to be counted. For incoming messages, only the sending Service Provider needs to be counted. The other side must always be the reporting Service Provider that is already part of the header data.

# Subtotals per SP, Dataset Type and Country Codes (1/3)

*Example of a subtotal per Service Provider, Dataset Type and Country Codes:*

```
<tsr:Subtotal type="PerSP-DT-CC">
  <tsr:Key metaSchemeID="SP" schemeID="CertSubjectCN">POP000001</tsr:Key>
  <tsr:Key metaSchemeID="DT" schemeID="busdox-docid-
qns">urn:oasis:names:specification:ubl:schema:xsd:Invoice-
2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0::2.1</tsr:
Key>
  <tsr:Key metaSchemeID="CC" schemeID="SenderCountry">AT</tsr:Key>
  <tsr:Key metaSchemeID="CC" schemeID="ReceiverCountry">DE</tsr:Key>
  <tsr:Incoming>4</tsr:Incoming>
  <tsr:Outgoing>0</tsr:Outgoing>
</tsr:Subtotal>
```

- This subtotal is identified by the type attribute having the value PerSP-DT-CC

## Subtotals per SP, Dataset Type and Country Codes (2/3)

---

- This subtotal requires one Key element with a Meta Scheme ID of SP (Service Provider). The schemeID attribute of this Key element MUST have a value according to the Reporter Identification Scheme code list. The value of the Key element MUST follow the rules of the chosen scheme
- This subtotal requires one Key element with a Meta Scheme ID of DT (Dataset Type). The schemeID attribute of this Key element MUST be the Document Type Identifier Scheme of the exchanged Dataset (usually busdox-docid-qns). The value of the Key element MUST be the Dataset Type (Document Type) Identifier value of the exchanged Dataset.
- This subtotal requires one Key element with a Meta Scheme ID of CC (Country Code) and the schemeID attribute of SenderCountry. The value of the Key element MUST have a value according to the Country Codes code list.
- This subtotal requires one Key element with a Meta Scheme ID of CC (Country Code) and the schemeID attribute of ReceiverCountry. The value of the Key element MUST have a value according to the Country Codes code list.

# Subtotals per SP, Dataset Type and Country Codes (3/3)

---

- Each combination of Service Provider, Dataset Type, Sender Country and Receiver Country MUST be reported in a separate Subtotal element
- The sum all incoming amounts per Service Provider and Dataset Type MUST match the total incoming amount (Total/Incoming)
- The sum all outgoing amounts per Service Provider and Dataset Type MUST match the total outgoing amount (Total/Outgoing)



For outgoing messages, only the receiving Service Provider needs to be counted. For incoming messages, only the sending Service Provider needs to be counted. The other side must always be the reporting Service Provider that is already part of the header data.





# Peppol

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## 4. Peppol Envelope 2.0

- a. Summary of changes
- b. Relation to Transaction Statistics Report BIS

5 mins

# Peppol Envelope Specification 2.0

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- New mandatory fields in the SBDH (=Peppol Envelope)
  - COUNTRY\_C1 for the country code of C1
  - COUNTRY\_C4 for the country code of C4
- Determination of correct values differs from BIS to BIS
- Values can already be entered today
- Code Snippet:

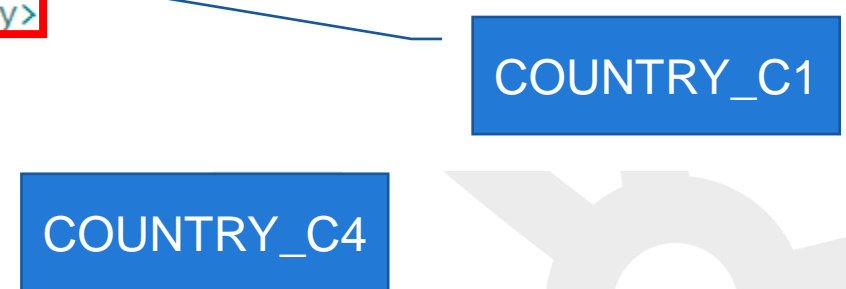
```
<Scope>
  <Type>COUNTRY_C1</Type>
  <InstanceIdentifier>BE</InstanceIdentifier>
</Scope>
<Scope>
  <Type>COUNTRY_C4</Type>
  <InstanceIdentifier>SE</InstanceIdentifier>
</Scope>
```



# Relation to Transaction Statistics Report BIS

- New fields in the envelope specification must be used for statistics
- If these fields are not included in the SBDH, the statistics cannot be counted
- This statistics part is only mandatory after Envelope Specification is mandatory

```
73 <Subtotal type="PerSP-DT-CC">
74   <Key metaSchemeID="SP" schemeID="CertSubjectCN">POP000002</Key>
75   <Key metaSchemeID="DT" schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::]
76   <Key metaSchemeID="CC" schemeID="SenderCountry">AT</Key>
77   <Key metaSchemeID="CC" schemeID="ReceiverCountry">DE</Key>
78   <Incoming>16</Incoming>
79   <Outgoing>0</Outgoing>
80 </Subtotal>
```





# Peppol

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## 5. End User Reporting

- a. Introduction
- b. Data Gathering
- c. Data Aggregation
- d. Data Transmission
- e. Technical representation

25 mins

# End User Reporting BIS

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- Documentation: <https://test-docs.peppol.eu/reporting/eur/>
- XSD, Schematron etc: <https://test-docs.peppol.eu/reporting/eur/resources.zip>
- Goal: to prove compliance with the KYC policy, the End Users are to be reported to OpenPeppol
- Two-step process for a Service Provider
  - Data gathering
  - Data transmission



# End User reporting Data Gathering (1/3)

---

- The Reporting Period defines the period in which data needs to be gathered
  - starts with the first day of every month at 00:00:00 UTC (inclusive)
  - ends with the last day of said month at 23:59:59 UTC (inclusive)
  - → second granularity is sufficient
  - → same as for Transaction Statistics Reporting
- Only Service Providers offering the exchange of Dataset Types must gather this data
  - → exclude SMP-only SPs
- Only data for production **MUST** be sent
  - → of course a test transmission will be possible
- All End Users that are capable of sending or receiving Datasets within the Reporting Period **MUST** be part of the End User Report
  - → not just the ones with a Peppol message exchange in the Reporting Period. All.

Same as Transaction  
Statistics Reporting

# End User reporting Data Gathering (2/3)

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According to Internal Regulations chapter 4.3

- Legal identifier of the End User in the jurisdiction within which it is legally based
  - → e.g. a company registration number, VAT number etc.
- The legal identifier Type (e.g., VAT number, company registration number)
  - → no code list exists yet
- Country of the End User's legal address
- If applicable, the territory of the End User's legal address
- All Dataset Type identifiers the End User **is capable** to send
- All Dataset Type identifiers the End User **is capable** to receive
- All Peppol Participant identifiers used in the Peppol Network, related only to the Peppol Services which that particular Service Provider offers to them
  - → Could be more than one

# End User reporting Data Gathering (3/3)

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The following block on Intermediaries is optional by default and may become mandatory through Peppol Authority Specific Requirements (PASR) only.

- Where intermediaries are both actively involved in the transmission of the End Users' Peppol Services and hold a contractual relationship with the End User, the following information **MUST** be reported about each Intermediary:
  - Legal identifier of the Intermediary
    - → e.g. a company registration number, VAT number etc.
  - Type of the legal identifier of the Intermediary
    - → no code list exists yet
  - Legal name of the Intermediary
  - Country of the Intermediary's legal address
  - If applicable, the territory of the Intermediary's legal address



# End User Reporting Data Transmission (1/2)

---

- Frequency
  - An End User Report MUST be transmitted once per month (Reporting Period)
  - An End User Report MUST be transmitted within 10 calendar days (inclusive) after the end of the previous Reporting Period
  - The End User Report must be transmitted, even if no other Peppol transactions happened in the Reporting Period
  - In case the End User Report of one Service Provider is received multiple times for one Reporting Period, only the latest received document will be processed
  - End User Reports received after the deadline WILL NOT be processed

Same as Transaction  
Statistics Reporting

# End User Reporting Data Transmission (2/2)

---

- Data
  - Only End User Reports on the Production stage **MUST** be transmitted
  - Each End User **MUST NOT** occur more than once in an End User Report
  - The data of each End User must each be reported in a designated element
  - The Reporting Period **MUST** be part of the End User Report
  - An identifier uniquely identifying the reporting Service Provider **MUST** be part of the End User Report
- Network
  - End User Reports **MUST** be transmitted via the Peppol eDelivery Network
    - Target Peppol Participant ID will be announced separately
  - Only OpenPeppol is allowed to receive End User Reports directly

Same as Transaction  
Statistics Reporting

# Code Snippet – simple report

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <EndUserReport xmlns="urn:fdc:peppol.eu:oo:trns:end-user-report:1.0">
3   <CustomizationID>urn:fdc:peppol.eu:oo:trns:end-user-report:1</CustomizationID>
4   <ProfileID>urn:fdc:peppol.eu:oo:bis:reporting:1</ProfileID>
5   <Header>
6     <ReportPeriod>2022-01</ReportPeriod>
7     <ReporterID schemeID="CertSubjectCN">POP000360</ReporterID>
8   </Header>
9   <EndUser>
10    <LegalID schemeID="orgnr">ID12345</LegalID>
11    <LegalName>Acme Inc.</LegalName>
12    <Country>AT</Country>
13    <ParticipantID schemeID="iso6523-actorid-upis">9999:test1</ParticipantID>
14  </EndUser>
15 </EndUserReport>
```

Header data

Reporting Period &  
Sending AP

Single End User

# Code Snippet – maximum End User

```

9 <EndUser>
10 <LegalID schemeID="orgnr">ID12347</LegalID>
11 <LegalName>ACME Inc.</LegalName>
12 <Country>NL</Country>
13 <Territory>Leiden area</Territory>
14 <SendingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##u
15 <SendingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditN
16 <ReceivingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice#
17 <ReceivingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::Credi
18 <ReceivingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse
19 <ParticipantID schemeID="iso6523-actorid-upis">9999:test4</ParticipantID>
20 <ParticipantID schemeID="iso6523-actorid-upis">9999:test5</ParticipantID>
21 <Intermediary>
22 <LegalID schemeID="orgnr">987654321</LegalID>
23 <LegalName>Inter 1</LegalName>
24 <Country>BE</Country>
25 <Territory>Brussels area</Territory>
26 </Intermediary>
27 </EndUser>

```

Header data

Sending DocType IDs

Receiving DocType IDs

Peppol Participant IDs

Optional Intermediary

# Header

---

The element Header contains the Reporting Period and the reporting Service Provider ID

*Example:*

```
<Header>  
  <ReportPeriod>2022-01</ReportPeriod>  
  <ReporterID schemeID="CertSubjectCN">POP000360</ReporterID>  
</Header>
```

- The element ReportPeriod MUST contain the year and month of the reporting period. This element MUST NOT contain time zone information
- The element ReporterID MUST contain the unique identification of the Service Provider that is providing the data. If the schemeID attribute is set to CertSubjectCN then the value must be the Peppol AP Certificate Subject CN (Common Name)

Same as Transaction  
Statistics Reporting

# Element EndUser

- Defines the data for a single End User.
- The element EndUser and its child elements MUST be provided for every End User to be reported

*Example of a End User with all optional elements:*

```
<EndUser>
  <LegalID schemeID="orgnr">ID12345</LegalID>
  <LegalName>Acme Inc.</LegalName>
  <Country>AT</Country>
  <Territory>Lower Austria</Territory>
  <SendingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0::2.1</SendingDatasetTypeID>
  <SendingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0::2.1</SendingDatasetTypeID>
  <ReceivingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0::2.1</ReceivingDatasetTypeID>
  <ReceivingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0::2.1</ReceivingDatasetTypeID>
  <ReceivingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse##urn:fdc:peppol.eu:poacc:trns:mlr:3::2.1</ReceivingDatasetTypeID>
  <ParticipantID schemeID="iso6523-actorid-upis">9901:test1</ParticipantID>
  <Intermediary>
    <LegalID schemeID="orgnr">987654321</LegalID>
    <LegalName>Intermediary A</LegalName>
    <Country>BE</Country>
    <Territory>Brussels Area</Territory>
  </Intermediary>
</EndUser>
```

# Element EndUser/LegalID

---

- The element EndUser/LegalID MUST contain the Legal identifier of the End User in the jurisdiction within which it is legally based, as well as the legal identifier Type (e.g., VAT number, company registration number)
- The legal identifier has to be active, in jurisdictions where such distinction exists
- In case of End Users that are public organisations and where legal identifiers as such do not exist, other officially issued codes are acceptable
- The attribute schemeID does not follow a specific code list. If possible, the values of the Peppol Participant Identifier Scheme code list SHOULD be used (like "9914" for an Austrian VAT number)
  - <https://docs.peppol.eu/edelivery/codelists/>

*Example:*

```
<LegalID schemeID="orgnr">ID12345</LegalID>
```

# Element EndUser/LegalName

---

- The element EndUser/LegalName MUST contain the Legal name of the End User, in the jurisdiction within which it is legally based.

*Example:*

```
<LegalName>Acme Inc.</LegalName>
```



# Element EndUser/Country

---

- The element EndUser/Country MUST contain the country code of the End User's legal address only
- The value must follow the ISO 3166-1 alpha-2 notation
- The value in this element MUST be part of the Country Codes code list

*Example:*

```
<Country>AT</Country>
```

# Element EndUser/Territory

---

- The element EndUser/Territory is optional
- If it is present, it MUST contain the Territory of the End User's legal address

*Example:*

```
<Territory>Lower Austria</Territory>
```

# Element EndUser/SendingDatasetType

Known Issue

- For every unique Dataset Type ID (Document Type ID) this End User is known to be able to send, one EndUser/SendingDatasetTypeID element MUST be provided
- The schemeID attribute MUST contain the scheme identifier of the respective Dataset Type ID (usually busdox-docid-qns)

*Example:*

```
<SendingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0::2.1</SendingDatasetTypeID>
<SendingDatasetTypeID schemeID="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0::2.1</SendingDatasetTypeID>
```

# Element EndUser/ReceivingDatasetType

Known Issue

- For every unique Dataset Type ID (Document Type ID) this End User is known to be able to receive, one EndUser/ReceivingDatasetTypeID element MUST be provided
- The schemeID attribute MUST contain the scheme identifier of the respective Dataset Type ID (usually busdox-docid-qns)

*Example:*

```
<ReceivingDatasetTypeID schemeID="busdox-docid-  
qns">urn:oasis:names:specification:ubl:schema:xsd:Invoice-  
2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0::2.1</Rece  
ivingDatasetTypeID>  
<ReceivingDatasetTypeID schemeID="busdox-docid-  
qns">urn:oasis:names:specification:ubl:schema:xsd:CreditNote-  
2::CreditNote##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0::2.1</R  
eceivingDatasetTypeID>  
<ReceivingDatasetTypeID schemeID="busdox-docid-  
qns">urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-  
2::ApplicationResponse##urn:fdc:peppol.eu:poacc:trns:mlr:3::2.1</ReceivingDatasetTypeID>
```

# Element EndUser/ParticipantID

---

- For every identifiers used in the Peppol Network by the End User, related only to the Peppol Services which that particular Service Providers offers to them, one EndUser/ParticipantID element MUST be provided
- The schemeID attribute MUST contain the scheme identifier of the respective Participant ID (usually iso6523-actorid-upis)

*Example:*

```
<ParticipantID schemeID="iso6523-actorid-upis">9901:test1</ParticipantID>
```

# Element EndUser/Intermediary

- Where intermediaries are both actively involved in the transmission of the End Users' Peppol Services and hold a contractual relationship with the End User as described in the SP Agreement clause 9.2, the element EndUser/Intermediary MUST contain the Intermediary information
- Each End User can have no, one or multiple Intermediaries

*Example (including the optional Territory):*

```
<Intermediary>  
  <LegalID schemeID="orgnr">987654321</LegalID>  
  <LegalName>Intermediary A</LegalName>  
  <Country>BE</Country>  
  <Territory>Brussels Area</Territory>  
</Intermediary>
```

Meaning of the elements identical to the End User



**Peppol**

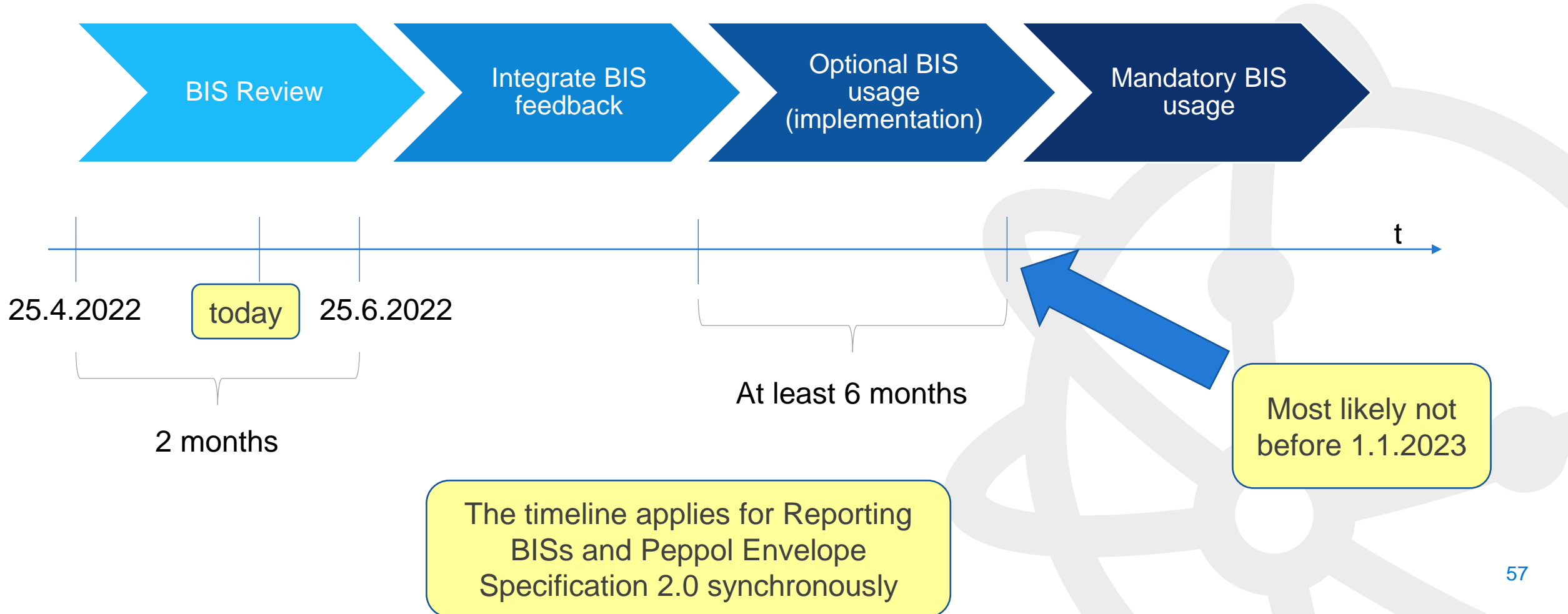
The future is open

## **6. Roll-out**

a. Timeline

5 mins

# Timeline for the reporting BISs







**Peppol**

The future is open

## **7. Resources**

5 mins

# Resources

---

- Test BIS documents for review
  - <https://test-docs.peppol.eu/reporting/>
  - Transaction Statistics Reporting BIS
    - <https://test-docs.peppol.eu/reporting/tsr/>
    - <https://test-docs.peppol.eu/reporting/tsr/resources.zip>
  - End User Reporting BIS
    - <https://test-docs.peppol.eu/reporting/eur/>
    - <https://test-docs.peppol.eu/reporting/eur/resources.zip>
- Confluence Page on Reporting
  - <https://openpeppol.atlassian.net/wiki/spaces/RR/pages/2832957455/Reporting+BISs>
  - Contains the comment template for the Reporting Documents
    - Fill out and send by email to [openpeppol@peppol.eu](mailto:openpeppol@peppol.eu)
  - See also „Peppol Reporting – Guideline for Service Providers” supporting document



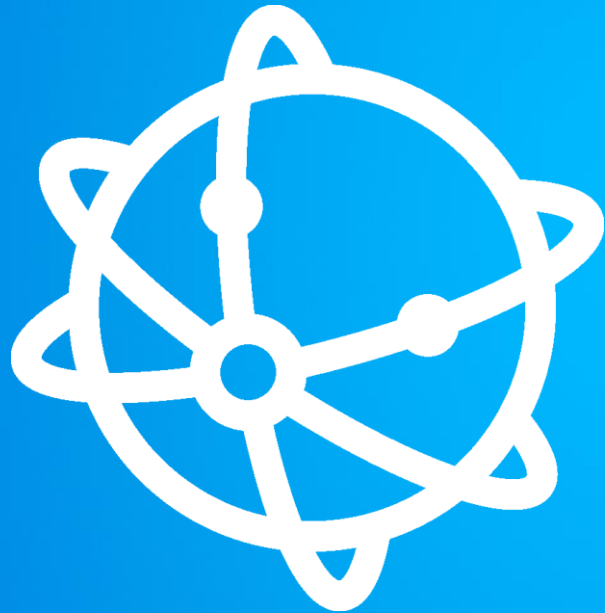
# Peppol

The future is open

## 8. Questions

- a. Please focus on BIS related questions





# THANK YOU!

MORE  
INFORMATION

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[www.peppol.eu](http://www.peppol.eu)

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