Peppol

The future is open

Peppol Service Provider Community Meeting

February 14th 2023

www.peppol.org

Agenda

1. MC News

2. Market News

3. News from eDec community

    AS2 phase out

    Codelist update

4. News from PoAcc community

    May release webinar summary

5. Advanced Ordering - Release of the new BIS set

6. Operational plan of SPC for 2023

7. AoB

Peppol

MC News

Membership as end of 2022

Key membership indicators

18

Countries with
Peppol Authorities

42

Countries with
OpenPeppol members

497

Total number of
OpenPeppol members

Membership Status – 2022

- The final numbers for 2022 are slightly better than the worst scenario presented
- Global Growth
  - Annual Growth lower than last year
    - 2021: 5,76% - 26 new members, 2022: 4,19% - 20 new members
  - 3 new countries (India, Latvia, Malaysia), 1 lost (Hungary)
  - 2 new countries with Certified Service Providers (Japan, Latvia), 1 lost (Hungary)
- Growth in countries
  - Japan was the main source of growth (7) – Luxembourg (5) and UK (4) coming right after
  - Norway is the biggest country in number of total members (60), followed by Italy (58)
  - Negative growth for Singapore (-4), Australia, Germany, The Netherlands and Sweden (-3)
- Member acquisition trends
  - Number of MAF requests has decreased in 2022
    - 2020: 160 requests, 2021: 127 requests, 2022: 116 requests
- Peppol Network Growth
  - Increasing - 741.820 receivers on 9 December 2022 (602.832 on 15 November 2021)

Membership Status – 31.12.2022

Category	End 2021	End 2022	Net Growth	% YTD	2021 Growth	
					Net	%
Total Number of Members	477	497	20	4,2%	26	5,8%
Certified APs	334 (+1 EC)	334 (+1 EC)	0	0%	29	10%
Countries with Members	40	42	2	5%	3	8%
Countries with Certified APs	35	36	1	3%	5	17%
Peppol Authorities	17	18	1	6%	2	13%
Post-Award Providers	434	452	18	4%	24	6%
ACL Providers	197	232	35	18%	30	18%
Pre-Award Providers	15	13	-2	-13%	-1	-6%
End Users	15	12	-3	-20%	-1	-6%
Observers	11	15	4	36%	2	22%

Net Yearly Growth in Membership

Net number of new Members
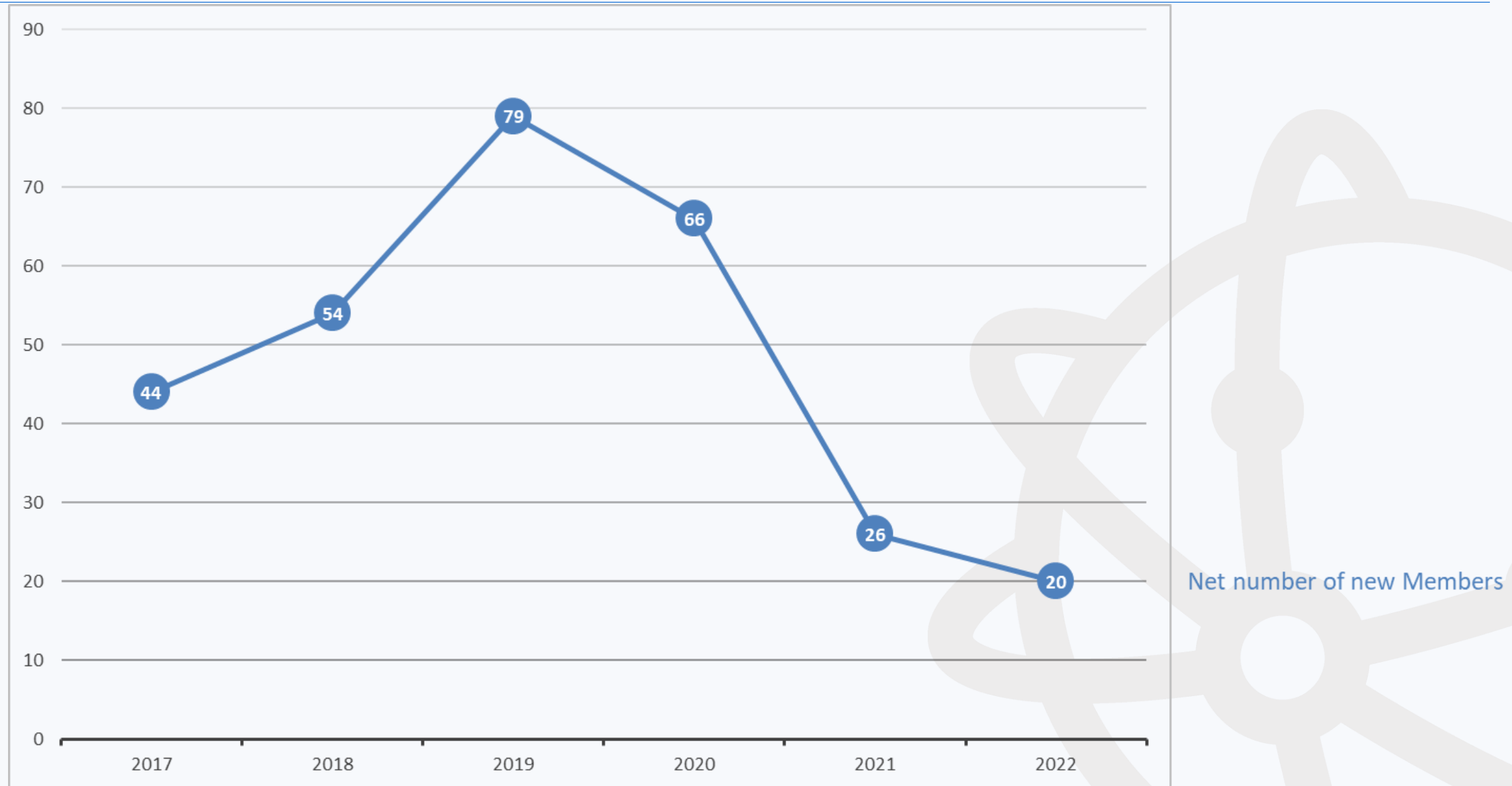
Membership Evolution in and beyond Europe
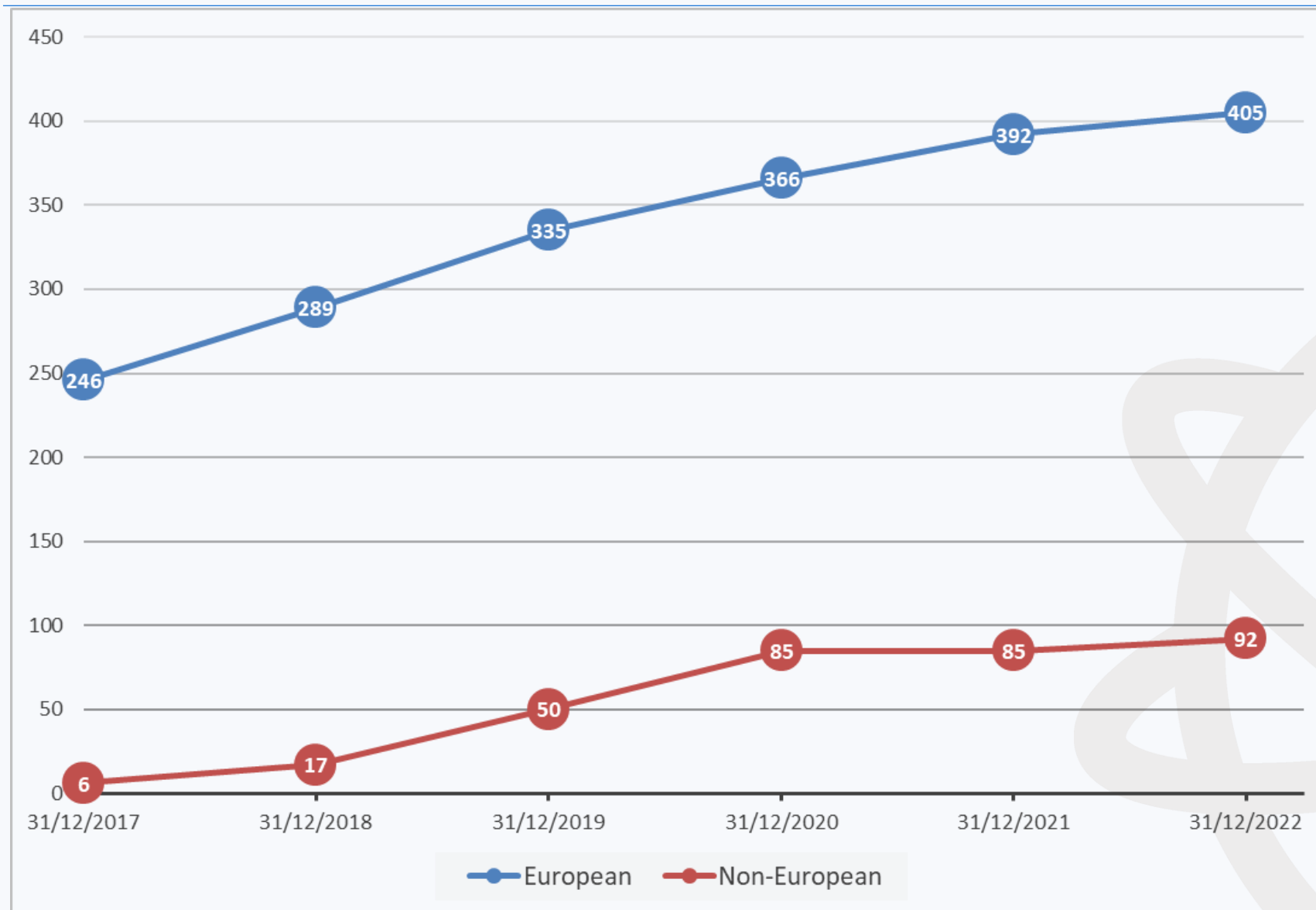
European

Non-European

Peppol Network Growth
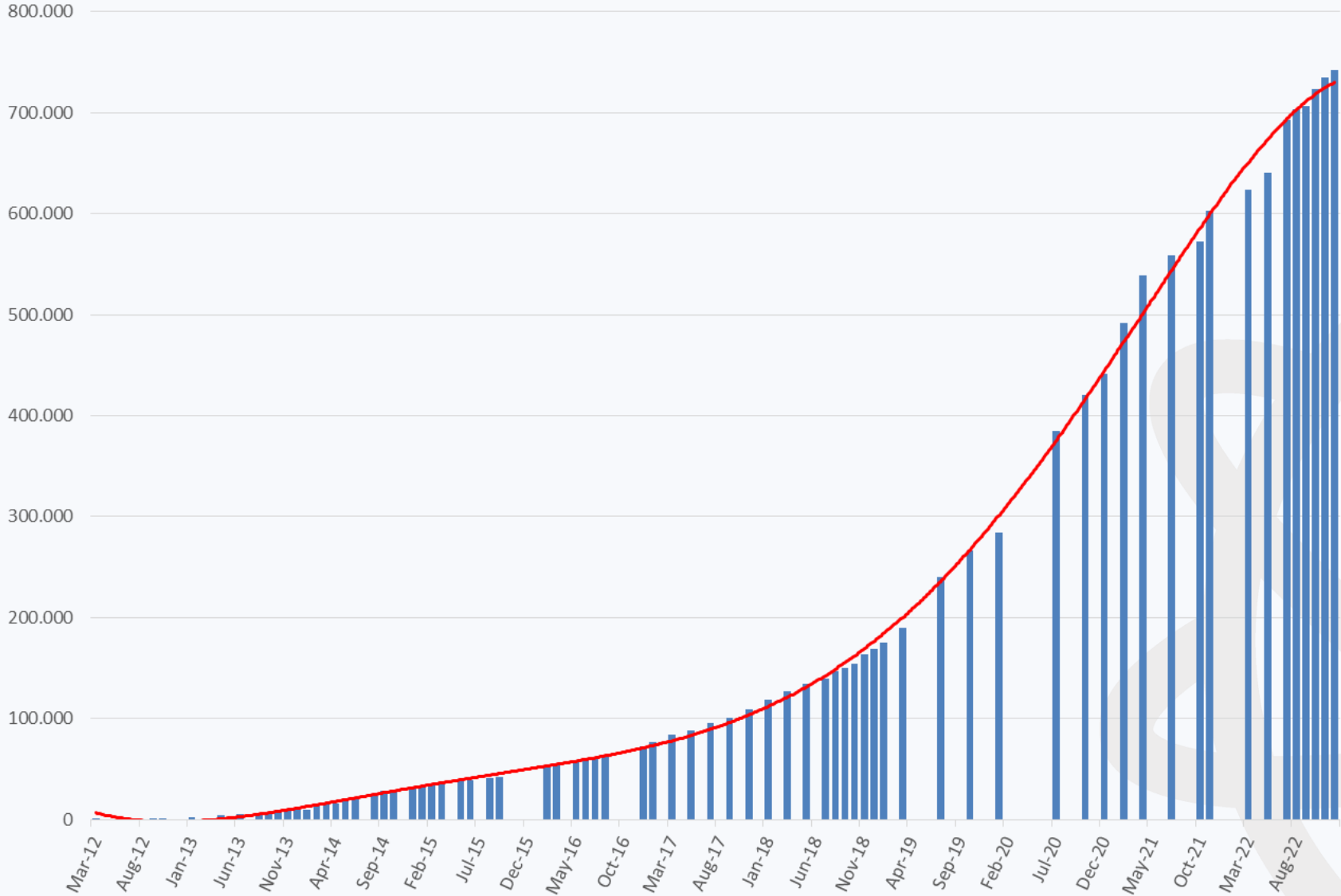
Outgoing Members per off-boarding categories
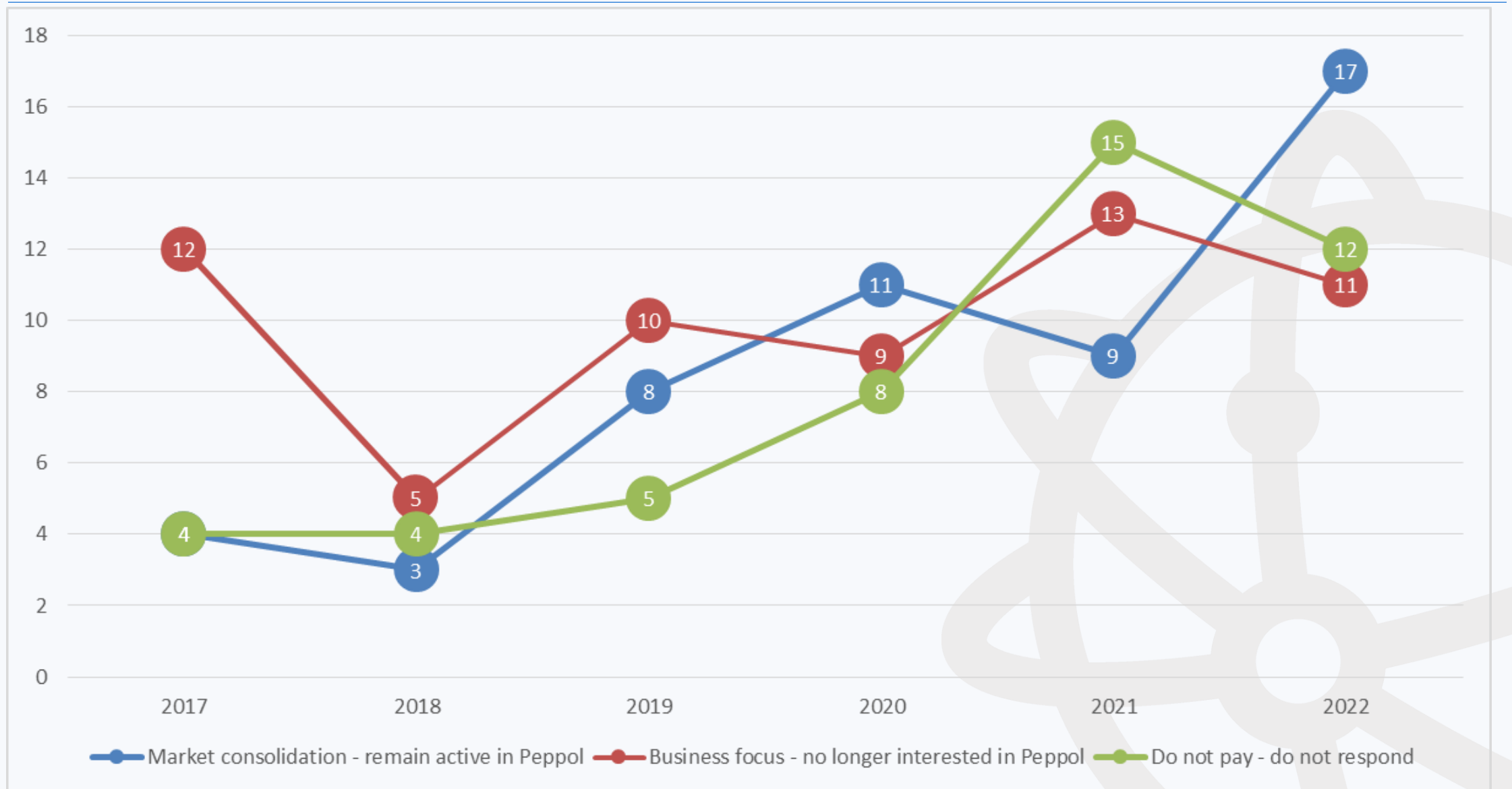
MC Descision

1. Approve in principle the participation of OpenPeppol in the DCC GIE as an Associate Member, subject to the outcome of a legal review of their Statutes and Internal Regulations.

2. Delegate to the Operating Office to perform a legal review of DCC GIE Statutes and Internal Regulations when available. If no substantial negative findings are made, the Operating Office are given the power to formalise the participation of OpenPeppol in the DCC GIE as an Associate Member.

3. Offer the possibility of OpenPeppol Observer membership to DCC GIE.

What is DCC (Data Conformity Chain)

- Initiative promoted by Infocert – a French IT company specializing in the certification of software products

- Business objective – to provide an end-to-end invoice traceability and QA service along the complex landscape of the French eInvoicing and eReporting landscape

- Relevance to Peppol – same view of the ecosystem
  - They advocate against concentrating flows through the public platform and strongly support decentralization on grounds of GA and public platform burden
  - they are very supportive and promote the use of Peppol whenever possible between relevant actors, including communication with the public platform

- Relevance in the French market
  - They have a target group of many software providers who are already their customers
  - Well positioned to provide QA and certification services for the French ecosystem

What is the DCC GIE and why participate

- An Economic Interest Group, established as a non-profit Association under French law. It is very similar to a Belgian AISBL in its purposes and functions.

- It is a legal form that makes it acceptable for interest groups to liaise directly with the French government and public authorities in general

- The purpose of the DCC GIE is to gather under one roof the French stakeholders interested in participating to the DCC initiative and talk to the government under that umbrella

- Since the DCC initiative is helping advance the objectives of OpenPeppol in France, it will be an advantage to participate and give them incentives to promote Peppol in France

- In order to avoid too close identification with the traceability agenda of DCC, which can be controversial in Peppol, the proposal is for OpenPeppol to become a non-voting Associate Member of the DCC GIE. Accordingly, OpenPeppol can offer them Observer membership.

1. **MC173 Decision Brief** posted on Confluence and circulated 18 January as v0.1. The **final version** posted 23 January

Market News

Market development update (1/2)

- **Potential Peppol Authorities**
  - United Arab Emirates
    - regular technical dialogue with Deloitte who are advising UAE
    - F2F meetings expected with Deloitte and UAE officials at the Dubai Exchange Summit
  - Luxembourg
    - re-confirmed intention to become a Peppol Authority in 2023
  - South Korea
    - SK government requested Peppol Authority information pack via KTNET (follows briefing call in Oct-22 and UNESCAP webinar in Nov-22)
  - Malaysia
    - no further news since December Exchange Summit, update requested

Market development update (2/2)

- France
    - PoC resumes with new FNFE sub-group meeting
    - 3 new SP from France joined OpenPeppol for the PoC – a few more in the pipeline
    - A more complete modelling of regulated and non-regulated flows in progress, including connection to C5
    - A separate testing group composed of members to be established in parallel to FNFE
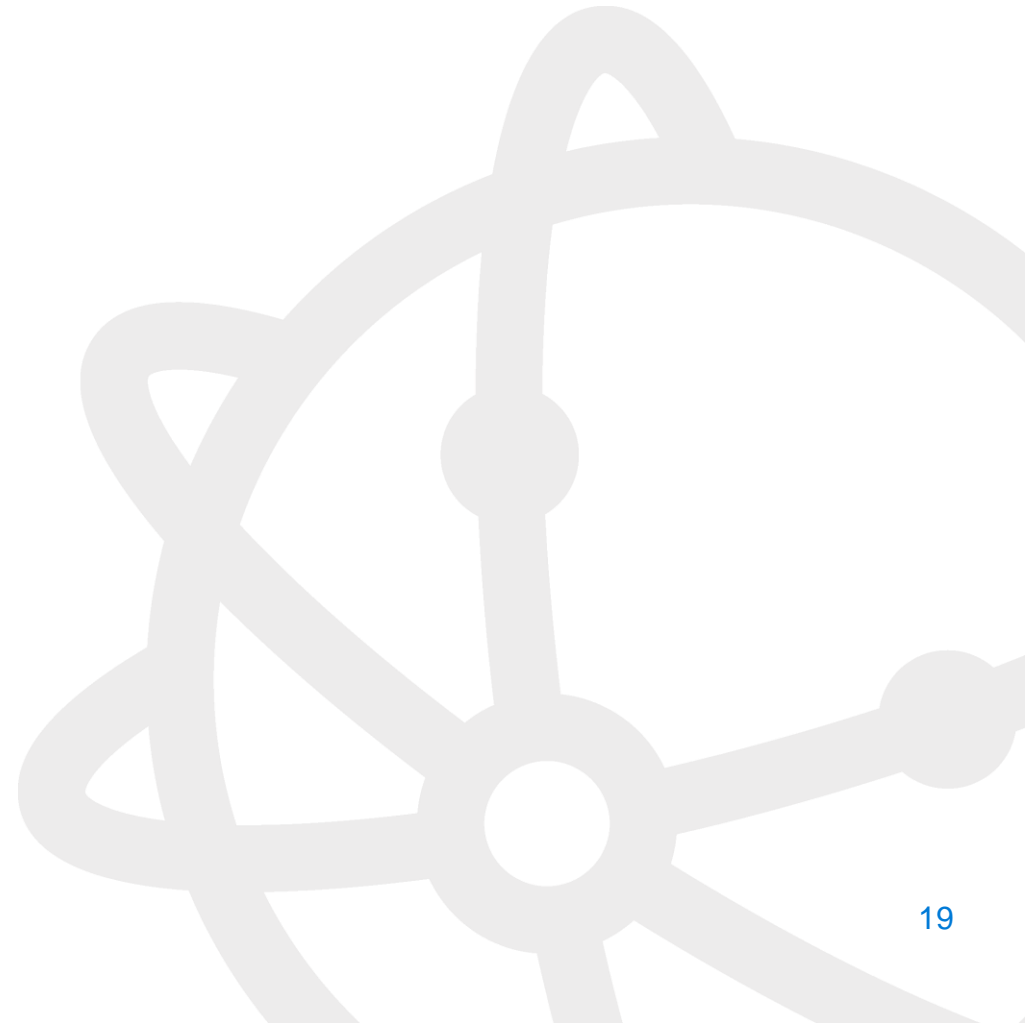   - Dialogue with government authorities actively sought

News from eDec community

AS2 Phase out

Codelist update

Agenda items

- AS2 removal

- Code List Updates
  - POAC and eDEC Codes list alignment
  - v8.3.1 codes list release
  - Update on Code List Statuses

AS2 removal

- MC decided that AS2 must be completely removed from the Peppol network
- AS2 was a transport protocol previously mandatory in the Peppol Network
- The AS4 protocol has been mandatory in the Peppol network since February 1st, 2020
- ➔ All Peppol SP must make sure, that the AS2 protocol is no longer used in the Peppol Network

- Timeline:
  - A guideline was created that takes effect immediately (because an MC decision)
  - Peppol SPs can start immediately to remove the remainders of Peppol AS2 in their systems
  - The complete process must be finished within the next 6 months
  - Additional guidance and details will be published and communicated
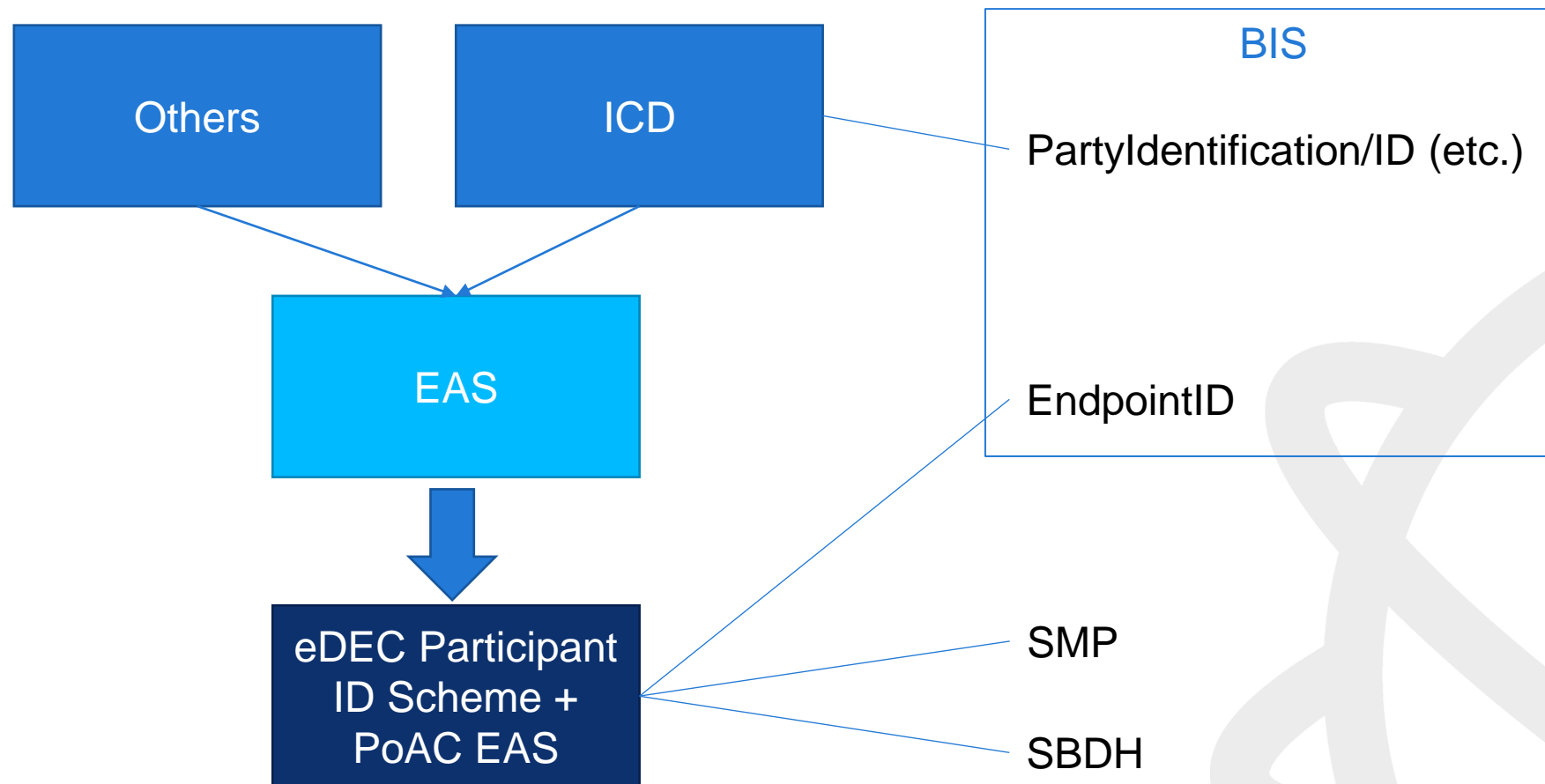
AS2 removal (details)

- Tasks for Peppol Capability Lookup (SMP) Providers:
  - Remove all SMP endpoints from all participants that use the transport profile `busdox-transport-as2-ver1p0` (Peppol AS2 1.0) or `busdox-transport-as2-ver2p0` (Peppol AS2 2.0)
    - Only SMP endpoints using the transport profile `peppol-transport-as4-v2_0` should remain
  - Make sure, that in the future no SMP endpoint uses any of the AS2 transport profiles anymore

- Tasks for Peppol Access Point (AP) Providers:
  - Make sure to not use the AS2 protocol while using the Peppol Network
  - Make sure to stop receiving AS2 messages while using the Peppol Network

- SMP lookups must only search for the AS4 protocol. Fallbacks to AS2 must be removed

- Additional information:
  - Peppol SPs don't need to inform OpenPeppol about their progress. OpenPeppol will run respective scans automatically to see which SMP endpoints are still existing
  - The support of AS2 will be removed from the Peppol Testbed 1.0 shortly

Code List Updates

- Centralized Code List Management for PoAC and eDEC agreed
  - If a change is needed this always goes via eDEC, as the CMB that is responsible and maintains the code lists
  - Participant Identifier Schemes needs alignment between PoAC and eDEC
  - eDEC will be in charge of the eDEC Participant Identifier Scheme code list that corresponds to the EAS Code List for PoAC BIS Billing
  - The discrepancies between PoAC November 2022 release and latest eDEC Release 8.3.1 will be resolved between PoAC and eDEC immediately
  - PoAC uses two code lists: ICD and EAS - this affects only the PoAC "EAS" code list

Code List Updates – Target state

Others

ICD

EAS

eDEC Participant
ID Scheme +
PoAC EAS

BIS

PartyIdentification/ID (etc.)

EndpointID

SMP

SBDH

Code List Updates

- OpenPeppol eDelivery Change Management Board (eDEC CMB) is happy to announce the release of Peppol Code Lists version v8.3.1
  - For Document Types, Processes, Participant Identifier Schemes and Transport Profiles
  - 8.3.1 because one correction compared to 8.3 release

- Published at https://docs.peppol.eu/edelivery/codelists (as usual)

- Added and deprecated Participant Identifier Schemes

- Added and deprecated Document Type identifiers

- Details as usual at: https://docs.peppol.eu/edelivery/codelists/changelog.html

➔ v8.4.0 coming up soon with AS2 changes etc.

Code List Statuses

Quick reminder for Code List requestors

eDEC states

Active → Deprecated → Removed

Active ↔ Deprecated (reverse arrow)

EAS states

Active → Deprecated
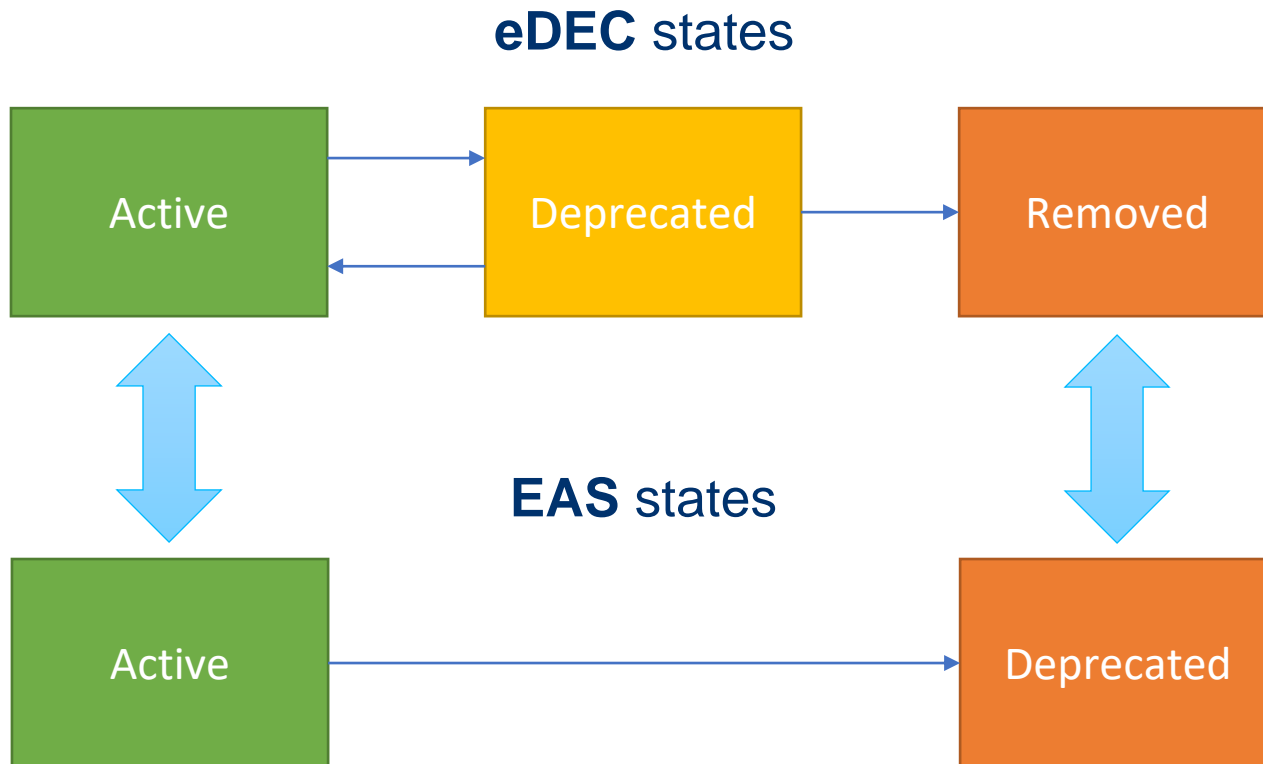
Deprecated means: continue to use, but don't add anything new
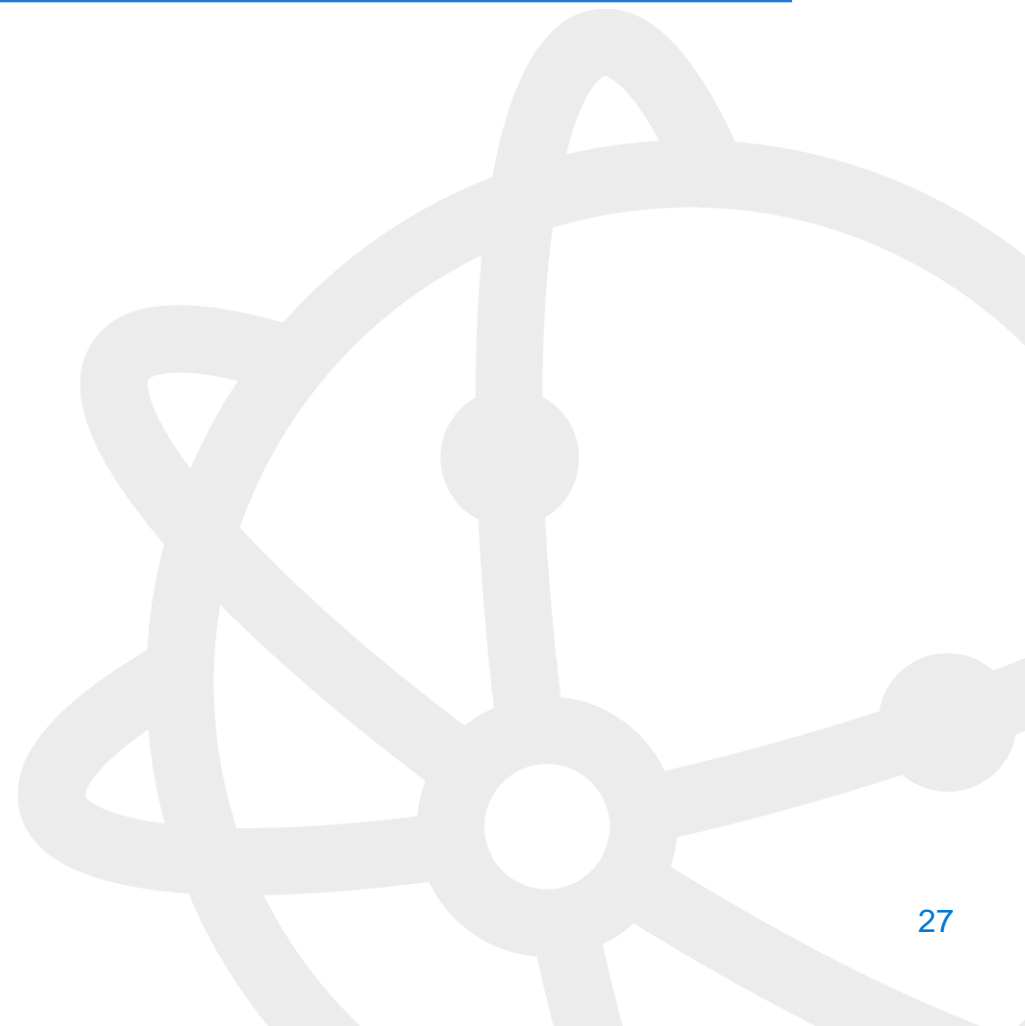
Removed means: remove all existing occurrences

Deprecated means: remove all existing occurrences

News from PoAcc community

May release webinar summary

- https://openpeppol.atlassian.net/wiki/spaces/PoACC/pages/3027271681/POAC+RFC+Webinar+2023-02-12

Advanced Ordering
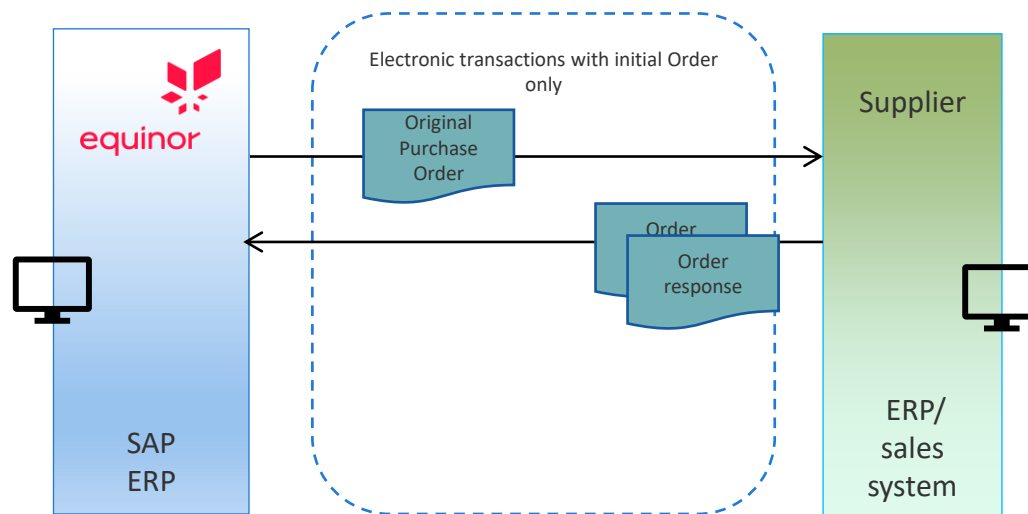
The prologue for Advanced Ordering

- Advanced Ordering is the first «global» BIS in Peppol based upon a request from a member in the End User Community (Equinor)

- After Equinor implemented Ordering in 2016 it became obvious quite early that the suppliers wanted a "lifecycle" approach on the ordering orchestration within the B2B area, and the first moves towards a request for a "Advanced Ordering" started in fall of 2017

- Initially the PoAcc CMB was not that positive towards a BIS for Advanced Ordering, but the Norwegian PA supported the development for a national use of "EHF Advanced Ordering" that have been in production since spring 2019

- Since Equinor has an international presence, it was natural to push further with an international mindset and initiated another RFC for a Peppol BIS Advanced Ordering in spring 2021

Equinor experience with "Advanced Ordering"

The "original" Peppol BIS Ordering

Electronic transactions with initial Order only

Original Purchase Order

Order

Order response

equinor

SAP ERP

Supplier

ERP/ sales system

- Just sending the initial order works well with majority of the material procurement

The "original" Peppol Ordering with changes

Order changes (PDF via e-mail)

Electronic transactions with initial Order only

Original Purchase Order

Order response

Supplier

SAP ERP

ERP/ sales system
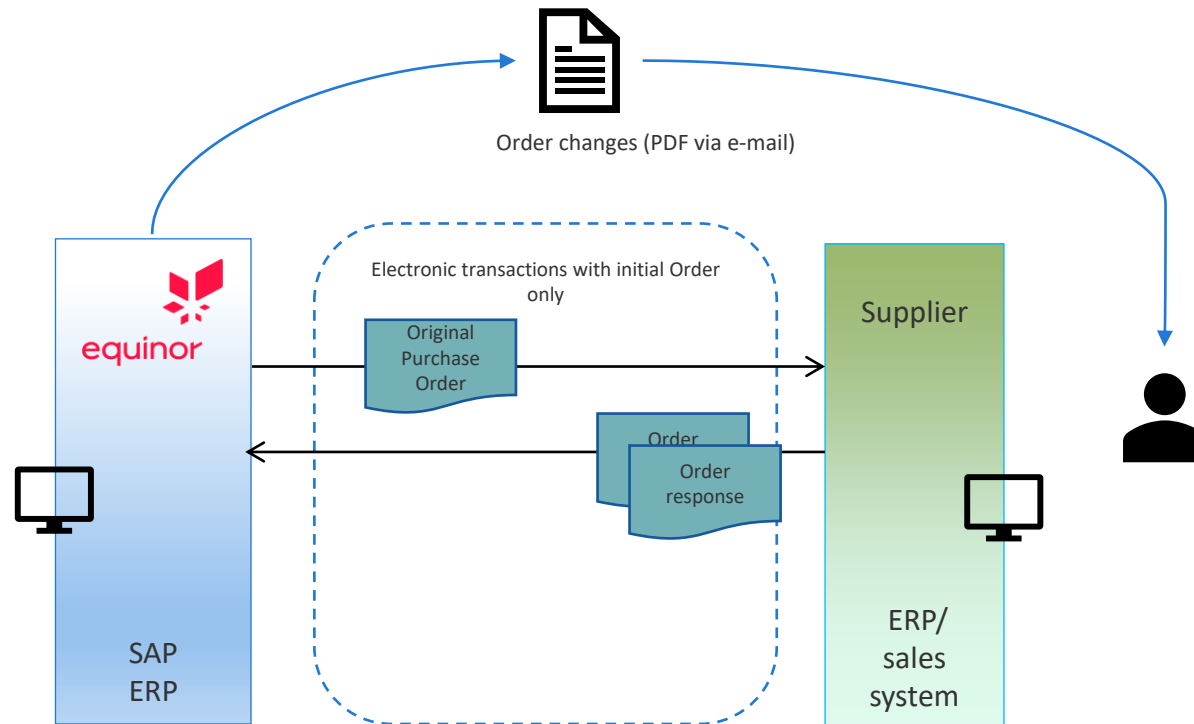
- For service procurement and some material procurement, there are typically several changes to the purchase order during its lifecycle

- Just having the initial order digitally and handling the changes manually was not an optimal way of working

Equinor and our suppliers needed a fully digital alternative

- The way our business operates in our SAP ERP environment, we typically have a lot of adjustments on the purchase orders, especially for services.

- Several of our suppliers wanted a fully digital interaction for handling of all the changes

- We had the Danish IOI UBL specifications for "Advanced Ordering" as a starting idea

- The CEN/TC 440/WG 6 «e-Ordering» has also identified «Advanced Ordering» as one of the proposed variants for «e-Ordering»

The EHF Advanced Ordering «incubation*» project

*

- DFØ - The Norwegian Peppol Authority established a project during 2019-2020 with particpation from:
  («incubation» with the intention to be a Peppol BIS specification)
  - «Buyer» - Equinor
  - «Suppliers» - Aibel and Baker Hughes
  - «Service providers/Access Points» - Pagero and TietoEvry

- DFØ prepared:
  - the use cases
  - hosted and coordinated the workshops
  - prepared the foundation with the pilot specifications
  - Prepared the ability to use ELMA** test and ELMA** production
  - «Pilot specifications» starting Aug 2019 with a handful participants in production
  - Final specifications EHF Advanced Ordering v3 starting Mar 2020

**ELMA is a Norwegian SMP operated by DIGDIR

Advanced Ordering

Electronic transactions with "Advanced Ordering"

- Initial Purchase Order
- Order response
- Order change A
- Order / Order response A
- Order change B
- Order / Order response B
- Order Cancellation

SAP ERP

Supplier

ERP/sales system
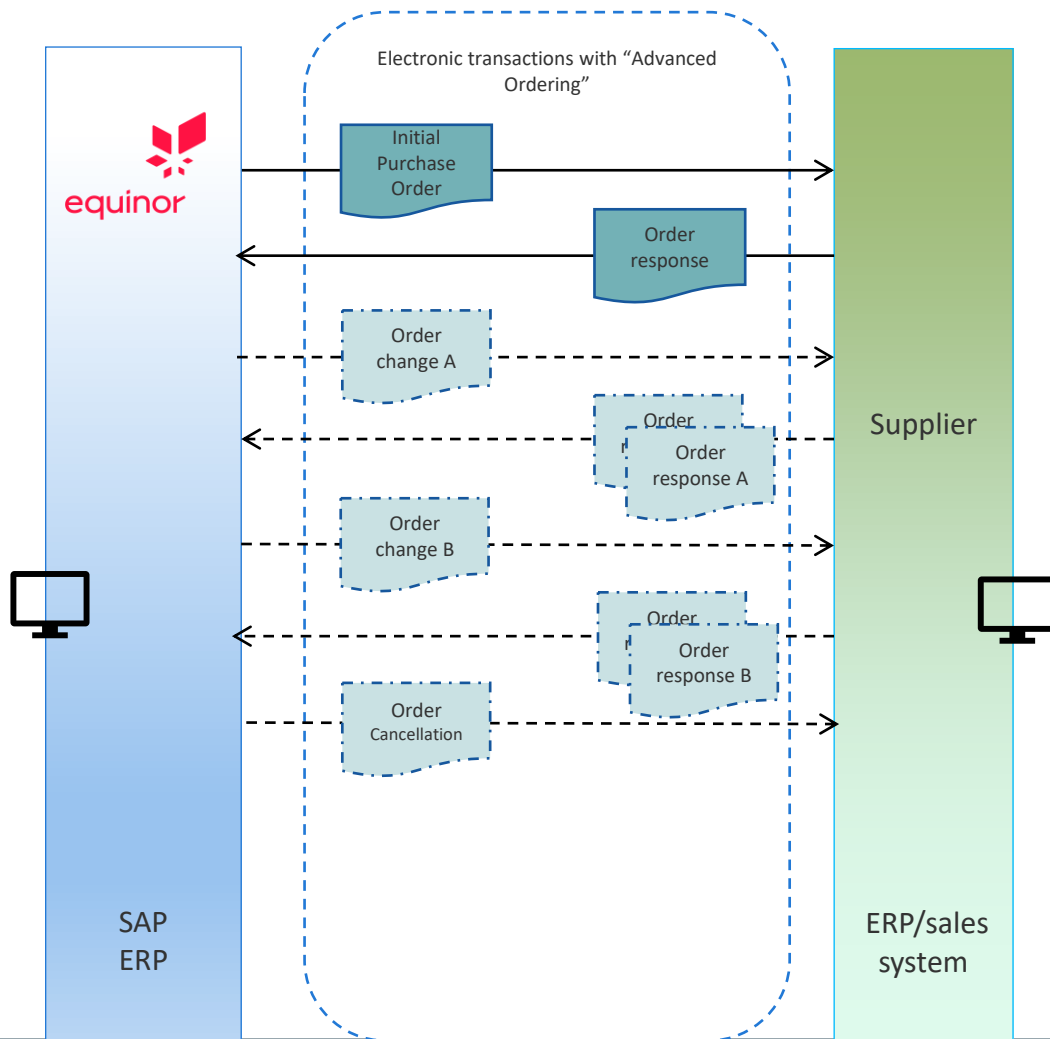
- Having the Advanced ordering we can enable a fully digital interaction.
- Changes to an Order can be triggered based upon a conditionally accepted Order Response, expansion of scope etc
- With the exception of the "ProfileID", the initial Order in "Advanced Ordering" is identical to the initial Order in "Peppol BIS Ordering"
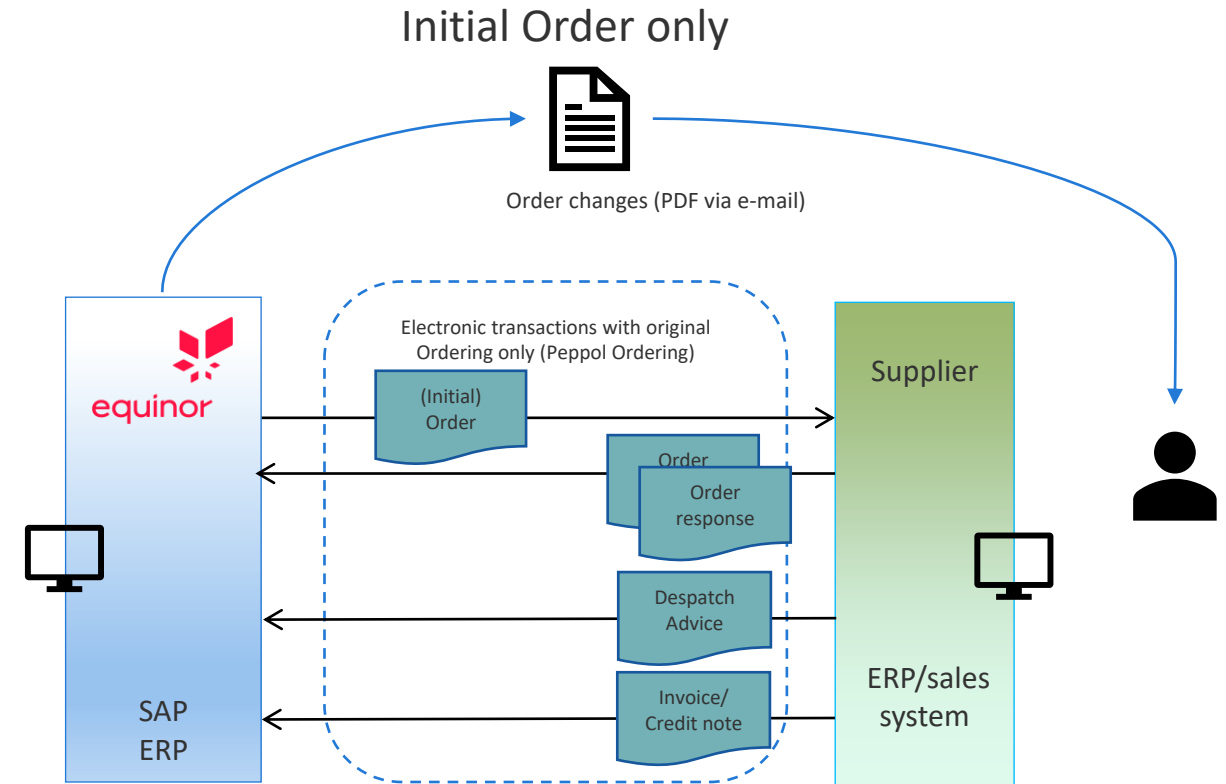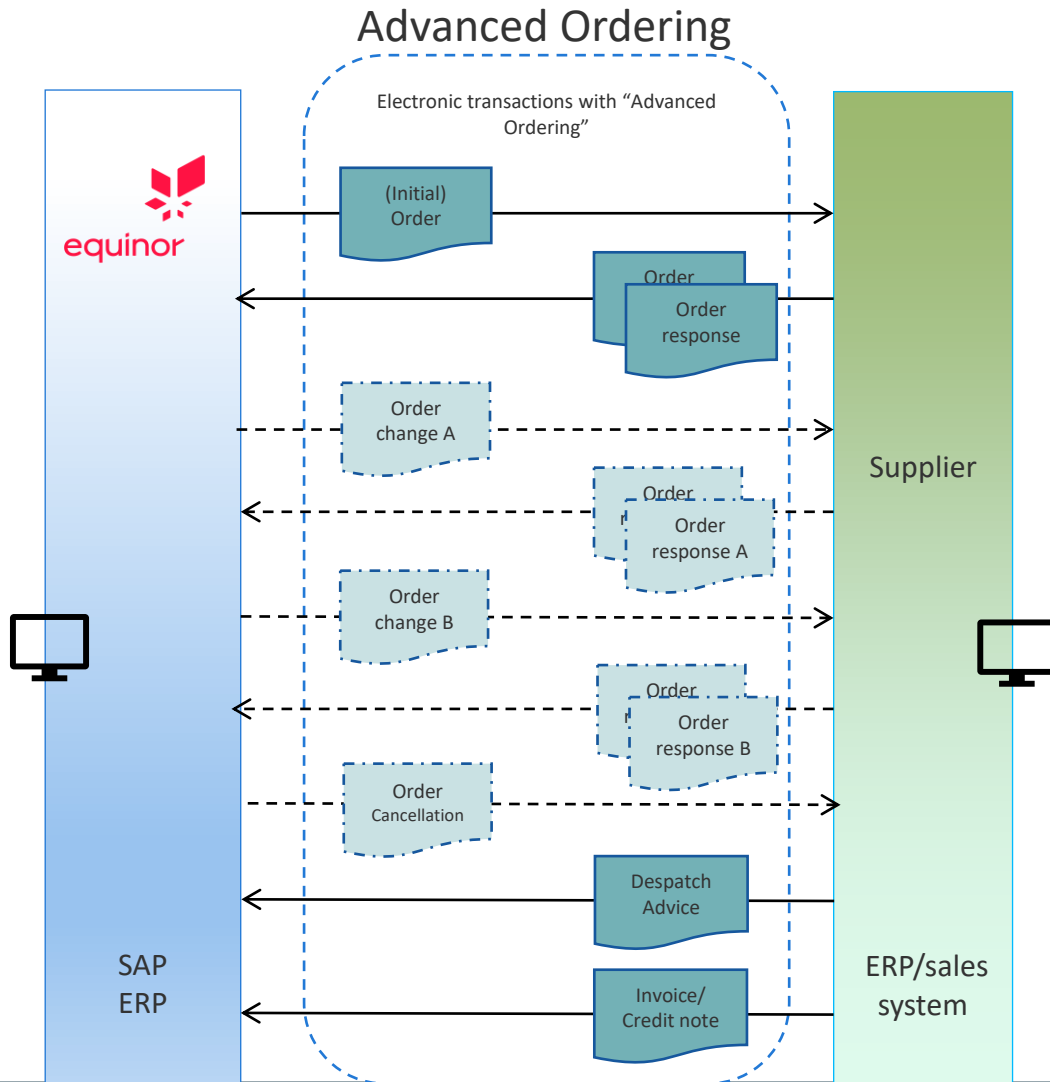
Learnings from the implementation and development

- Each Order Change must be a self-contained, complete Order (not just a delta from the previous version)

- The «Advanced» part for the supplier is to find a good way to track down the changes (added, modified, deleted order lines) and respond with an Order Respons where they accept or reject each version of the Order Change or conditionally accept individual order lines for each version

- The «Advanced» part for the buyer is to find a good way to track down the Order Responses for each version of an Order Change

- The suppliers that are able to handle the Order Changes in a good way are very satisfied with Advanced Ordering

- Scenarios where Advanced Ordering can't be used:
  - Some suppliers have a sales system that creates a sales order automatically for each eOrder they receive regardless of this is the initial order or an order change. This requires all Order Changes to be updated manually
  - Some suppliers have an ERP/sales system that is not capable of receiving changes automatically. This requires all Order Changes to be updated manually

Development of Peppol BIS Advanced Ordering 3

- RFC sent in spring 2021

- Mandate given by PoAC CMB in September 2021:
  - Develop a new BIS for Advanced Ordering as part of Post-Award
  - The new BIS should extend the exisiting BIS Ordering with two new transactions:
    - Order Change
    - Order Cancellation

- Project group established Nov 2021 and was working until early autumn 2022
  - The EHF Advanced Ordering was used as a starting template
  - Participation from a wide specter of groups
  - System test were not part of the project work

- OO Declared official production ready from 23 Jan 2023

eOrder: Advanced Ordering vs Original Order only

Advanced Ordering

Electronic transactions with "Advanced Ordering"

- (Initial) Order
- Order / Order response
- Order change A
- Order / Order response A
- Order change B
- Order / Order response B
- Order Cancellation
- Despatch Advice
- Invoice/ Credit note

equinor — SAP ERP

Supplier — ERP/sales system

Initial Order only

Order changes (PDF via e-mail)

Electronic transactions with original Ordering only (Peppol Ordering)

- (Initial) Order
- Order / Order response
- Despatch Advice
- Invoice/ Credit note

equinor — SAP ERP

Supplier — ERP/sales system

Initial Order only:
- Typical: suppliers that creates a sales order automatically for each eOrder they receive regardless of this is the initial order or an order change.
- OR – their sales system is not capable of receiving changes automatically and must be manually updated

Special notes for BIS Advanced Ordering vs EHF Advanced Ordering

- BIS:
  - Order 3.x is reused (incl UBL 2.1) but new transactions are based on UBL 2.3
    - Order Change
    - Order Cancellation
    - Order Response Advanced

- EHF
  - All transactions are based upon UBL 2.2
  - Order Initiaton is a separate document (but actually only CustomizationID and ProfileID is different from Order transaction)

- SMP registration for both:
  - EO - Economic Operator (seller) need to register for Advanced Ordering: Order, Order Change and Order Cancellation
  - CA – Contracting Authority (buyer) need to register for Advanced Ordering: Order Response

Main differences between Peppol BIS and EHF Advanced Ordering
ProfileID + CustomizationID

• Peppol BIS

Type	Element cbc:CustomizationID	Element cbc:ProfileID
Order (T01)	urn:fdc:peppol.eu:poacc:trns:order:3	
Order response advanced (T116)	urn:fdc:peppol.eu:poacc:trns:order_response_advanced:3	urn:fdc:peppol.eu:poacc:bis:advanced_ordering:3
Order change (T114)	urn:fdc:peppol.eu:poacc:trns:order:3	
Order cancellation (T115)	urn:fdc:peppol.eu:poacc:trns:order_cancellation:3	

• EHF

Type	Element cbc:CustomizationID	Element cbc:ProfileID
Order Initiation	urn:fdc:peppol.eu:poacc:trns:order:3:extended:urn:fdc:anskaffelser.no:2019:ehf:spec:3.0	
Order response advanced	urn:fdc:peppol.eu:poacc:trns:order_response:3:extended:urn:fdc:anskaffelser.no:2019:ehf:spec:3.0	urn:fdc:anskaffelser.no:2019:ehf:postaward:g3:09:1.0
Order change	urn:fdc:anskaffelser.no:2019:ehf:spec:adv-order-change:3.0	
Order cancellation	urn:fdc:anskaffelser.no:2019:ehf:spec:adv-order-cancellation:3.0	

What is the difference between EHF and Peppol BIS?

- Typically the EHF is based upon Peppol BIS specifications and use the Peppol eDelivery infrastructure

- Peppol BIS messages can in theory be used internationally

- EHF messages can typically only be used in Norway

- Even if for example an EHF Order 3.x and Peppol BIS Order 3.x have the same business content, the EHF Order can only be used within Norway, while a Peppol BIS Order can be used internationally and within Norway

- EHF = Elektronisk Handelsformat. Both sender and receiver must have a Norwegian company registration number (see brreg.no)

Operational Plan of SPC

Plans and actions in 2022

- Continuation of the net-Meetings

- Interesting and relevant content on the meetings

- More information on upcoming meetings and upfront agenda
  - Confluence has meeting list

- Material and recordings availability

- Encourage kick-offs of the smaller workgroups
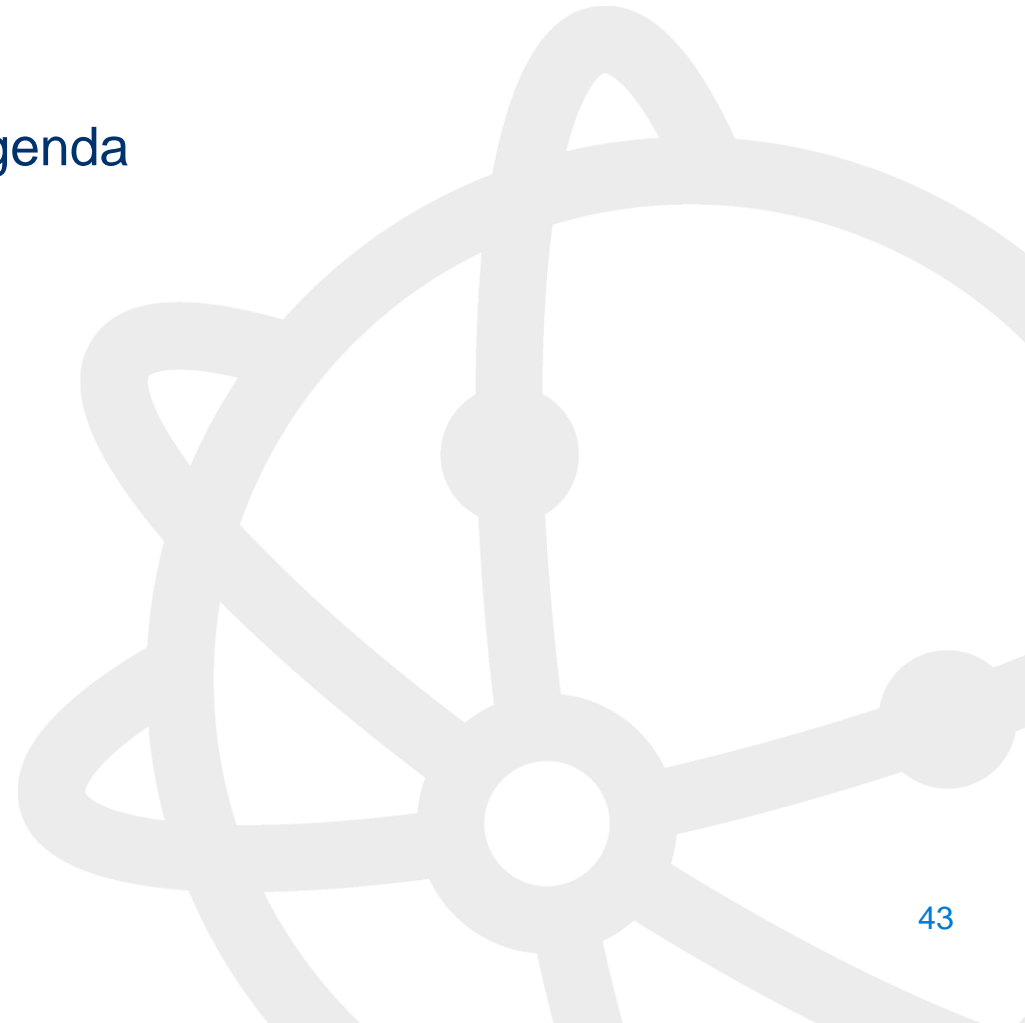
Plans for 2023

- Regular every 5 week meetings except the summer period
  - Kepe regularity on times
  - One longer relevant topic in every meeting
  - Regular updates from eDec and PoAcc communities
  - Updates from MC in every meeting
  - Agenda 4-5 days beforehand

- Encourage smaller activites

- Keep contact to local SP communities also emphasize the importance of SP cooperation

Next Meeting

March 28, 2023, 09.00 CET

Activities in Operational office

THANK YOU!

MORE INFORMATION

info@peppol.eu
www.peppol.org

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