Solution Area-A
Digital Business Documents
& Product Information

eReceipt kick-off
8. November 2022

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Agenda:

- Information, organisation and vision of NSG&B
- Activities in eReceipt project
- Uses cases
- Going through the processes
- Information about eReceipt technical development project

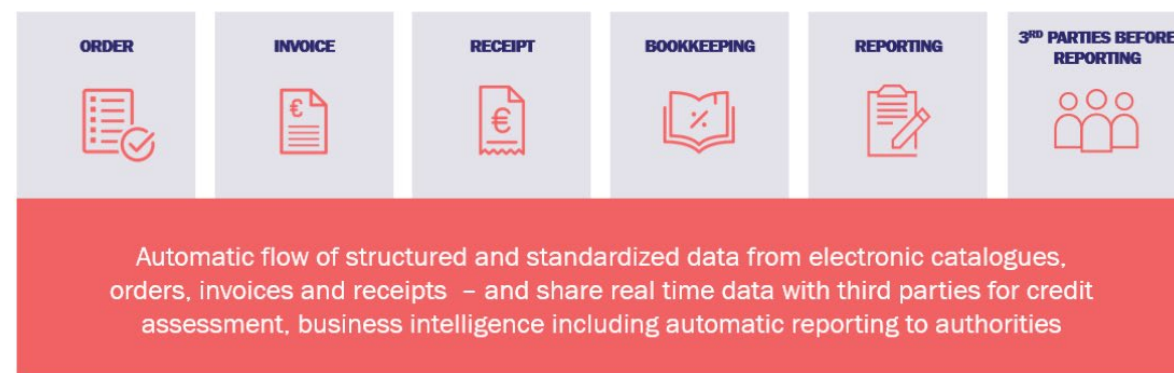**NORDIC SMART GOVERNMENT & BUSINESS**

NSG&B vision

Our vision is to create value for the SMEs by making real time business data accessible and usable for innovation and growth across the region, in an automatic, consent based and secure manner.

The core idea is that structured and standardised business data can be shared automatically and thereby replace burdensome manual handling of data exchange. This involves alignment of digital systems and services as opposed to digital silos, and requires collaboration across sectors using the business data.
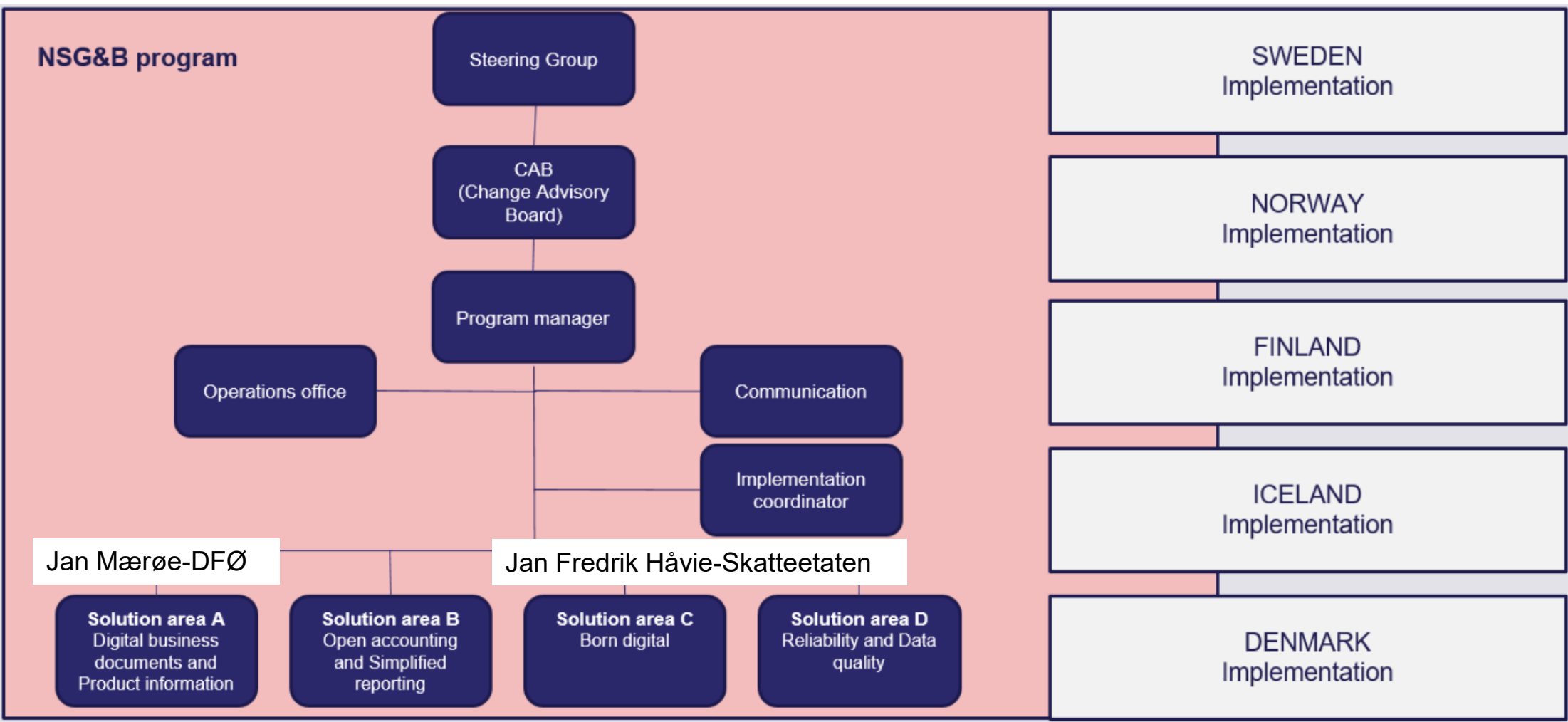
The mission is thus not to implement a centralised IT-system, but to enable and facilitate a transformation of the Nordic ecosystem and business processes, both nationally and across the Nordic borders.

Once Nordic Smart Government and Business is fully implemented, it will be easier for businesses to interact with other businesses and authorities. This requires that systems processing business data – both private and government systems – become connected, so information can flow seamlessly and be shared.

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Aligning the digital infrastructure in order to make business data accessible and usable across the Nordics

ORDER	INVOICE	RECEIPT	BOOKKEEPING	REPORTING	3RD PARTIES BEFORE REPORTING

Automatic flow of structured and standardized data from electronic catalogues, orders, invoices and receipts – and share real time data with third parties for credit assessment, business intelligence including automatic reporting to authorities

The NSG&B organisation as of May 2022

Solution areas

There are four solution areas in the Nordic Smart Government and Business program. Read more about the current situation, user scenarios, key activities and deliverables for each area below.

Digital business documents and Product information →

Born digital →

Open accounting and Simplified reporting →

Reliability and data quality →

Digital business documents and Product information

To achieve our goal and fulfill our vision, several actors need to contribute to creating a digital ecosystem with an automated, consent-based and secure real-time flow of structured and standardized data. A cornerstone of that work is to capture business data digitally in business transactions and then continue to keep the data digital. Within Solution area Digital business documents and Product information we have set our focus on creating god conditions and Nordic ability for just that.

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Digital business documents →

Sending e-documents across the Nordic borders →

Product information →

eReceipt project

- Define use cases

- Define processes based on use cases

- Develop standard format that cover the information need in the process to meet needs from users.

- Manage the format until another organization takes over the task

Taxi company

Business trip

eReceipt

Transport company

eReceipt

Petrol and charging station

Use case I send and receive eReceipt
Just an illustration

Use case II
Mapping of invoice to eReceipt
Just an illustration

Taxi company

eReceipt

Credit card Company

BIS Invoice

Transport company
Map invoice lines towards eReceipts

eReceipt

Petrol and charging company

Use case III
Refund of VAT with eReceipt as evidence
Just an illustration

Outside European Union

Transport company
Apply for a refund of VAT

Inside European Union

Tax Authority
Application refund

Tax Authority
Application refund

Petrol and charging company

Transport company
Apply for a refund of VAT

Processes based on use cases

- We need your feed back

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Draft pilot plan use case I eReceipt

TEST DESCRIPTION:

The pilot will test the transfer of an NSG&B eReceipt from seller system (through seller access point) via the Peppol Network to the buyers system (through buyer access point).

Seller will send eReceipt either in native format and then convert it in to NSG&B eReceipt or use NSG&B eReceipt as native format. Buyer will receive NSG&B eReceipt and import it directly in to the system or convert it in to native format and then import the information.

DETAILED TEST CASE:

Test Case	Data Preconditions	System Preconditions	Steps	Expected result
NSG&B eReceipt eReceipt sent from sellers system to buyers system via Peppol Network	1. Profile IDs for NSG&B eReceipt are registered in SMP.	1 Buyer´s backend system and AP are up and running. 2. Buyer system is connected to an access point. 3. Seller backend system and AP are up and running. 4. Sellers's system is connected to an access point.	1. The buyer fills up with gas or takes a taxi. 2. Buyer pays by credit card 3. The POS system sends the payment transaction to the backend system. The backend system sends the information to a mapping service or maps itself to eReceipt format 4. The eReceipt transaction is sent to the seller's access point 5. The access point does a look up and sends to the buyer's access point 6. Buyer's access point maps eReceipt to native format or sends directly to buyer's system 7. Buyer's system stores the eReceipt	1. eReceipt file is received by sellers- service provider access point and sent to buyers access point. 2. Buyer is located in SMP with Profile id for eReceipt 3. eReceipt is received in buyer´s system with the same information content as sent from seller. 4.eReceipt content is according to specification

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eReceipt technical development project

- Are Berg- Edisys Consulting AS will present the project.
- We need your participation in the project
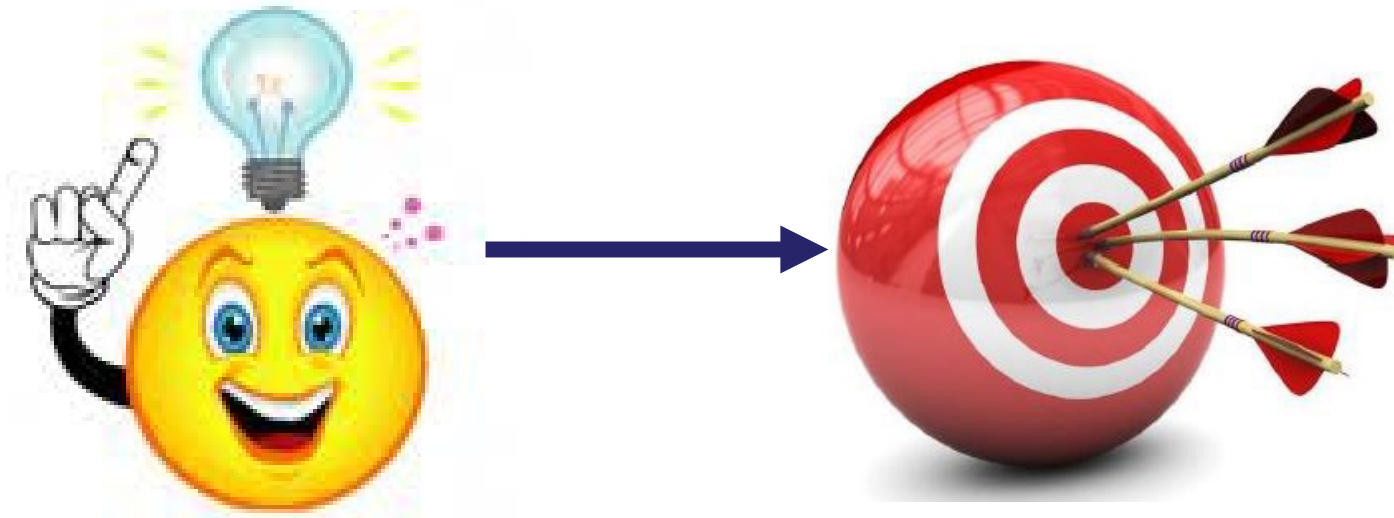
Technical development

- Scope
  - Develop technical documentation
  - Support the pilot
  - Manage the format until another organization takes over the task

- Participants
  - Ole Ellerbæk Madsen
  - Are Berg

Technical documentation - Content

- BIS for eReceipt based on Peppol BIS Billing
- eReceipt transaction based on UBL Invoice
  - Use of AdditionalItemProperties for eReceipt-information
- Required tools and artefacts
  - Example files
  - Rules
  - Code lists

- What type of documentation is required for the pilot?

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Required for the pilot

Use case descriptions with transaction flows	Will be described as part of BIS
ProfileID and CustomizationID	Must be defined
Functional descriptions of selected parts	eReceipt-specific content will be described as part of BIS
Transaction/syntax description	eReceipt transaction will be described based on Peppol BIS Billing
XML Schema	UBL Invoice 2.1
Example files	Will be be produced
Rules	Reuse of Peppol rules
Schematron-files	Reuse of Peppol files
Code lists	Reuse of Peppol code-lists + one new code-list

New code-list for eReceipt

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.....

<cac:AdditionalItemProperty>
 <cbc:Name>TransactionID</cbc:Name>
 <cbc:Value>QQtxad1177en</cbc:Value>
</cac:AdditionalItemProperty>
<cac:AdditionalItemProperty>
 <cbc:Name>TransactionDescription</cbc:Name>
 <cbc:Value>Lunch</cbc:Value>
</cac:AdditionalItemProperty>
<cac:AdditionalItemProperty>
 <cbc:Name>RestaurantName</cbc:Name>
 <cbc:Value>Fyrtårn</cbc:Value>
</cac:AdditionalItemProperty>
<cac:AdditionalItemProperty>
 <cbc:Name>VisitDate</cbc:Name>
 <cbc:Value>2022-05-02</cbc:Value>
</cac:AdditionalItemProperty>

.....
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- We will produce an indicative code-list for AdditionalItemProperty/Name to be used in the pilot

- The code-list may be extended during the pilot

- We will not define a strict rule related to this code-list

- We would appreciate you feedback on the values in this code-list

Activities

- Prepare BIS document and artefacts
- Run a (short) review period
- Finalize documentation for piloting
- Support the pilot

What we want from you

- We will call for separate technical meetings in conjunction with the bi-weekly project meetings

- We will ask for your feedback on issues related to the implementation and use of the new format

- Please sign up for this technical meeting via a mail to
Jan Andre Mærøe JanAndre.Maeroe@dfo.no

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