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Infor – M3 Financials

E-invoice
- Overview and status in M3

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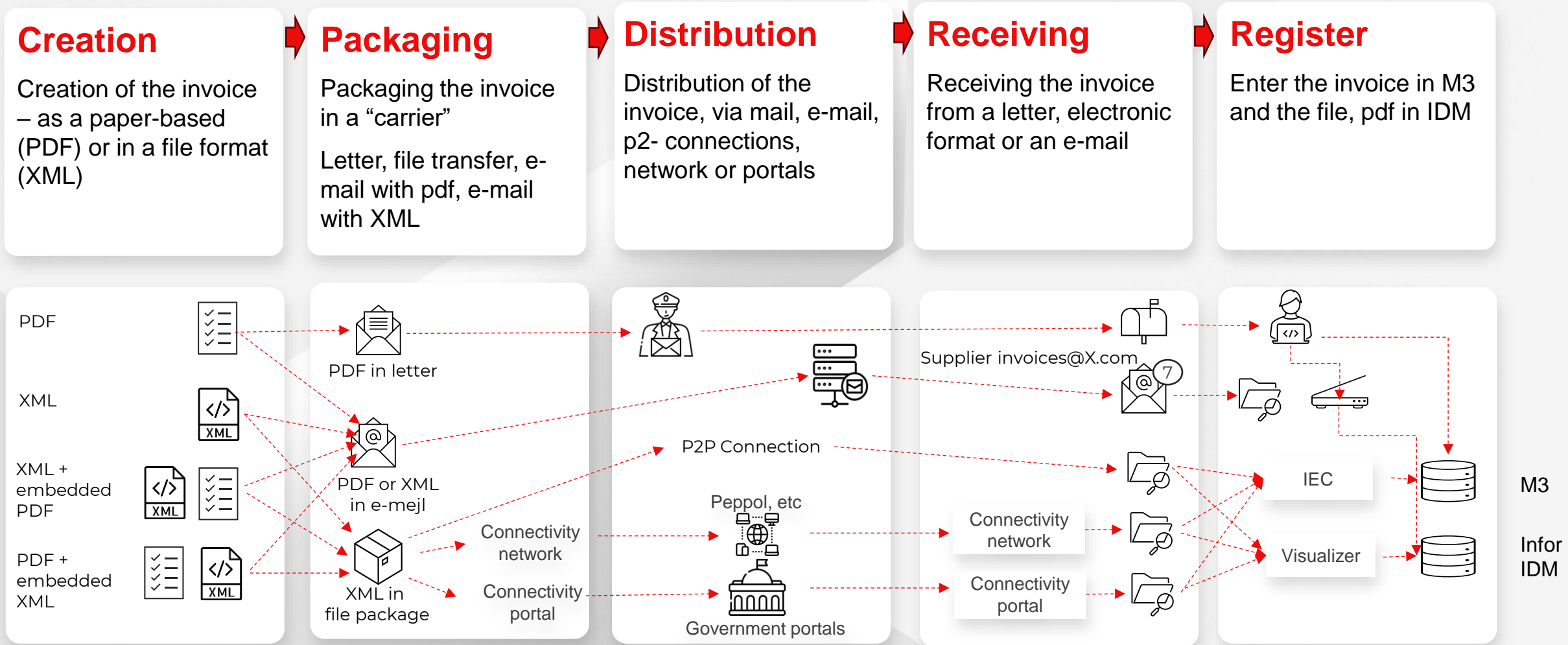Product Manager

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VP Product management

Agenda

01   **Introduction**
- The invoice processes
- Our focus – Legal e-invoices, four variances

02   **Outbound invoices**
- Architectural overview for outbound invoices

03   **Inbound invoices**
- Architectural overview for inbound invoices

04   **Current roadmap items**
- Roadmap

05   **Update per country**
- What is needed in each country and how does M3 support these requirements

06   **QA**
- Question and answer session

The invoice process

Creation

Creation of the invoice – as a paper-based (PDF) or in a file format (XML)

Packaging

Packaging the invoice in a "carrier"

Letter, file transfer, e-mail with pdf, e-mail with XML

Distribution

Distribution of the invoice, via mail, e-mail, p2- connections, network or portals

Receiving

Receiving the invoice from a letter, electronic format or an e-mail

Register

Enter the invoice in M3 and the file, pdf in IDM

PDF

XML

XML + embedded PDF

PDF + embedded XML

PDF in letter

PDF or XML in e-mejl

XML in file package

Connectivity network

Connectivity portal

P2P Connection

Peppol, etc

Government portals

Supplier invoices@X.com

Connectivity network

Connectivity portal

IEC

Visualizer

M3

Infor IDM

Focus – Legal e-invoices

E-mail based, Post-Audit

The XML file is distributed by e-mail.

The receiver **can't refuse** to receive the invoice as XML in an e-mail.

Government decides allowed formats such as CII and UBI.

Business to government

Invoices to public sector **must be in electronic forma**t.

Distributed via common network such as Peppol. Most common formats are CII and UBL.

Pre-Clearance method

Before creating the invoice must certain values be sent to a government portal for registration.

A code is sent back and is converted to a QR code or similar.

That code must be printed on the invoice. The invoice is printed and sent to the customer as usual.

Invoice without the code are not deductible for VAT.

Clearance method

Invoices must be in electronic format and distributed via a governmental portal.

E-Mail based, Post-Audit model

Definition

A company can't refuse to receive invoices in an e-mail. The attachment in the e-mail can be
- XML file
- XML file with included PDF
- PDF with included XML

Process

See below

PDF

XML

XML + embedded PDF

PDF + embedded XML

PDF or XML in e-mail

Supplier invoices@X.com

IEC

Visualizer

M3

Infor IDM

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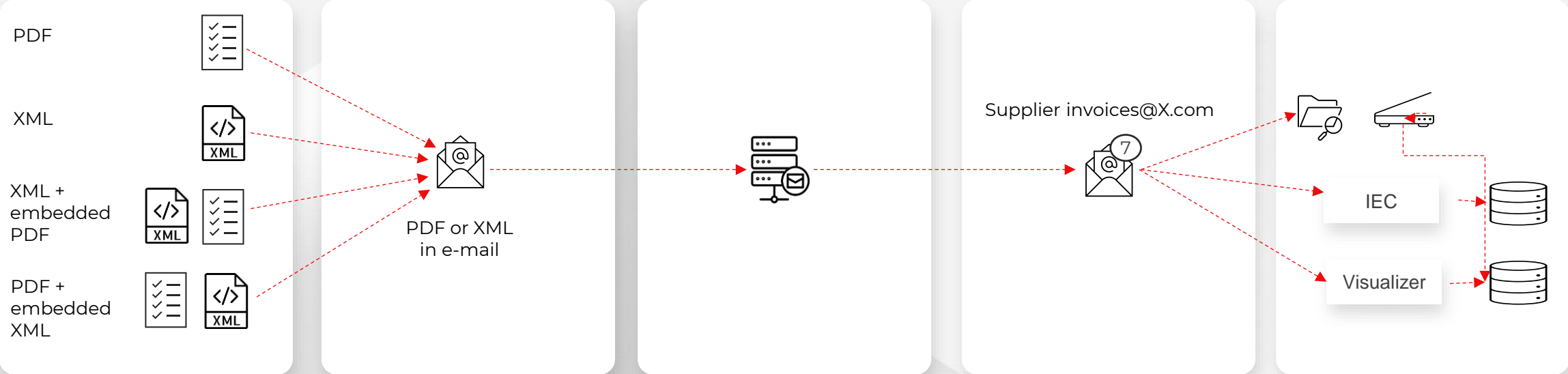
B2G Invoices

Definition

Invoices that are sent to public organizations / companies.

Peppol is the most common used network for distribution. CII and UBL is the mot used format for invoice (Each country has its own flavor of these standards)

Process

1. A company creates an invoice
2. Distributed via a public network
3. Received to the customer via the network

Please note – M3 supports today – outbound part

① Invoice file

②

Peppol, etc

③
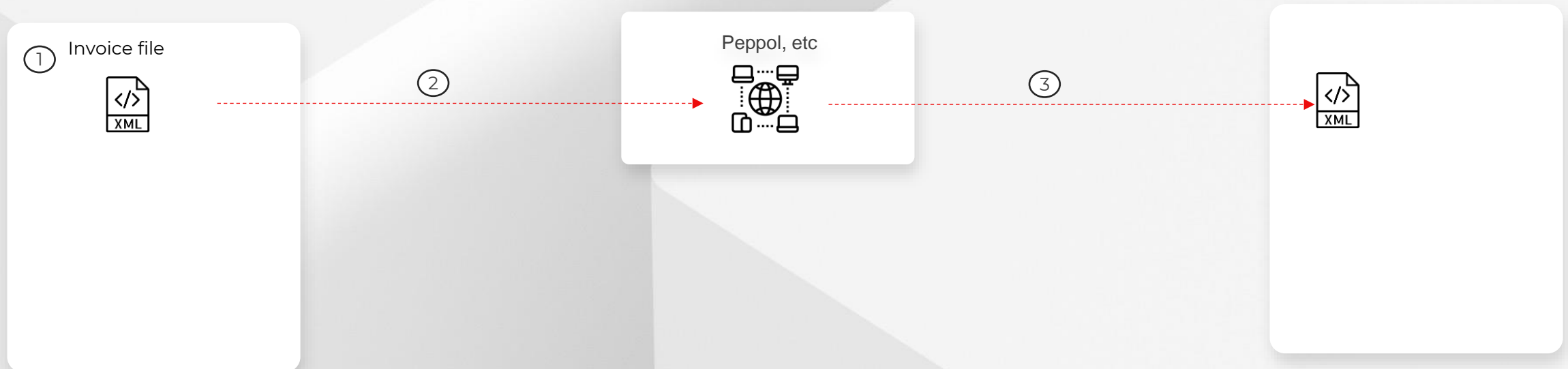
Government portal – pre-clearance

Definition

The invoice must be registered at the government before created and sent to the customer.

The invoice is only deductible for VAT if the code is printed on the invoice.

Process

1. A company has invoiceable lines
2. Message to government with selected data (VAT)
3. Government returns a code
4. The code is converted to a QR code or similar that is printed on the invoice
5. Invoice sent to customer

① Invoicable lines

②

③

④

⑤

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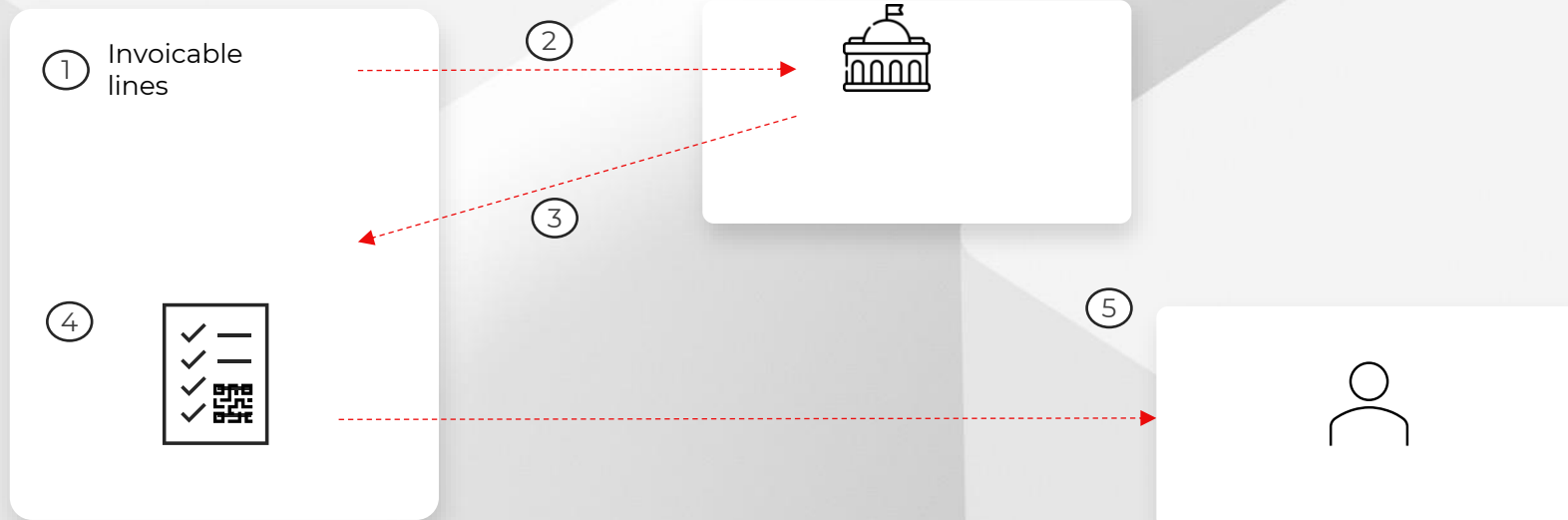
Government portal – clearance

Definition

All invoices must be distributed via the governmental portal. The seller upload the invoice, and the buyer download the invoice from the portal. Government has full control over VAT

Process

1. A company has invoiceable lines
2. Message to government with selected data (VAT)
3. Government returns a code

① Invoice file

8
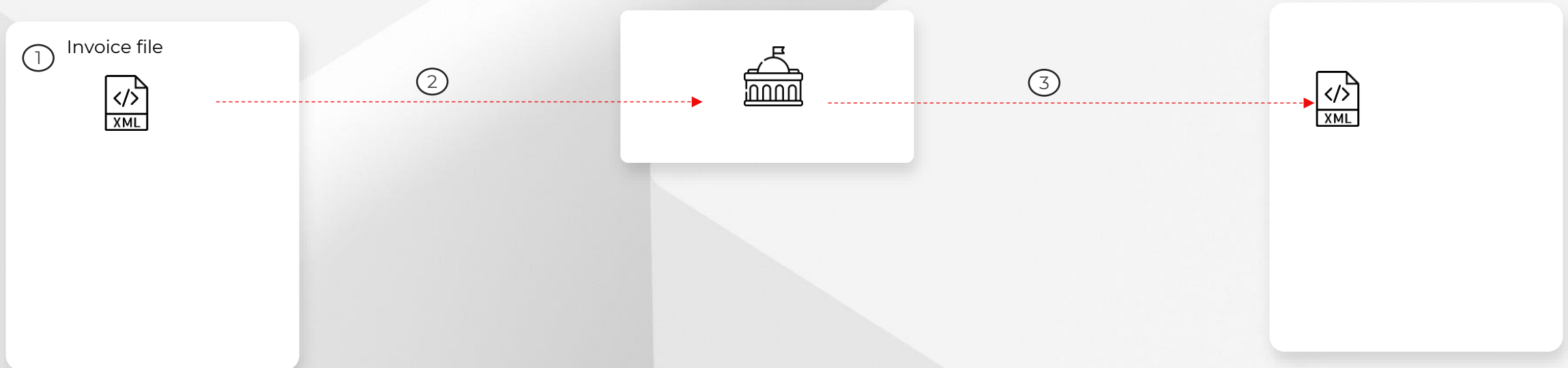
Requirements are today complex – e-invoice

B2B
Invoices distributed via mail
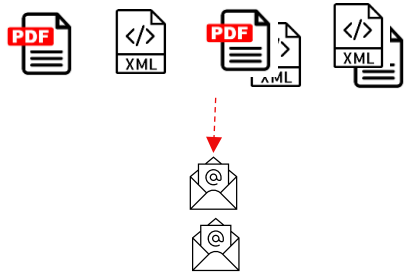
- Mail agent
- Separate PDF from XML or XML from PDF
- Interpretation (value+)
- Visualization of XML file

Supplier side
- Create invoice + embedding in invoice

Customer side
- Mail agent
- Separate PDF from XML or XML from PDF
- Interpretation (value+)
- Visualization of XML file

B2B or B2G
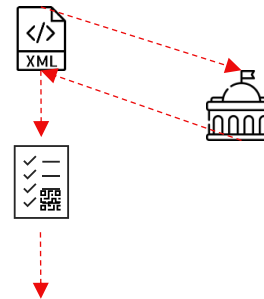**Invoices distributed via network**

Peppol, etc
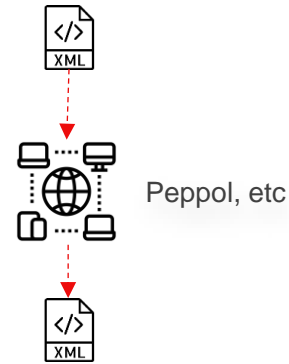
Supplier side
- Mapping of invoice (one per country)
- Connectivity to network (one per country)

Customer side
- Connectivity to network (one per country)
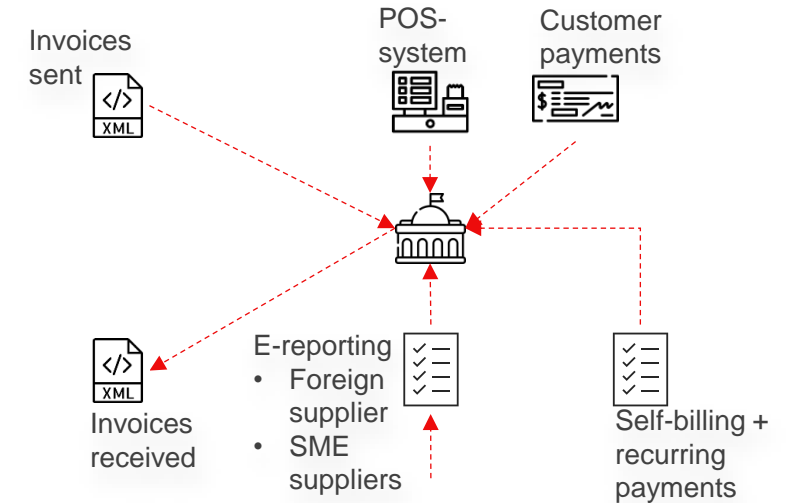- Mapping of invoice (one per country)

B2B – preclearance
Invoices must be reported before sent

Supplier side
- Connectivity to government (one per country)
- Add QR code on invoices

B2B – Clearance
Invoices must be reported before sent

Invoices sent

POS-system

Customer payments

Invoices received

E-reporting
- Foreign supplier
- SME suppliers

Self-billing + recurring payments

Supplier side
- Mapping of invoice (one per country)
- Connectivity from pos system
- Mapping of pos (one per country)
- Connectivity for customer payments
- Mapping of payments (one per country)

Customer side
- Connectivity for inbound invoices
- Mapping of invoice (one per country)
- Connectivity for e-reporting
- Mapping for e-reporting (one per country
- Connectivity for self-billing + recurring payments
- Mapping for self billing …(one per country)

Agenda

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02	**Outbound invoices**	• Architectural overview for outbound invoices
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Infor Acronym's

LSP

Localization Services Platform

Product within the cloud suite that can create e-invoices, Payment files and reports.

Also referred to as LSP Standard in this presentation.

LSP Direct

Localization Services Platform

Product within the cloud suite that handles the external communication between the cloud suite and for example government portal.

IEC or MEC

Infor Enterprise Collaborator

The integration platform between M3 and cloud suite.

FBM

Financial Business Message

Mapping in IEC that creates the Financial message, (e-invoice, payment file, report)

IDM

Infor Document Management

Function in the cloudsuite where documents are stored. Documents can be displayed in M3 based on the context information.

Invoicing BODs – LSP Standard

M3 creates the invoicing BODs from all invoicing functions and sends them to LSP via ION.

Depending on the base country, LSP maps the targeted electronic invoices and communicates with the authority. LSP can require a third party to be used for the communication, such as EDICOM in Mexico.
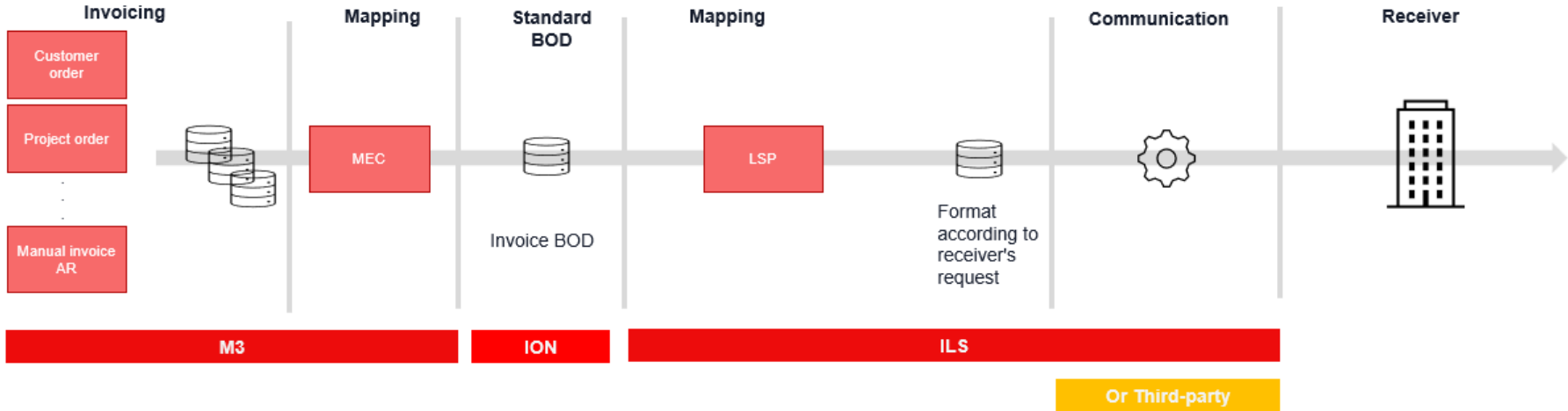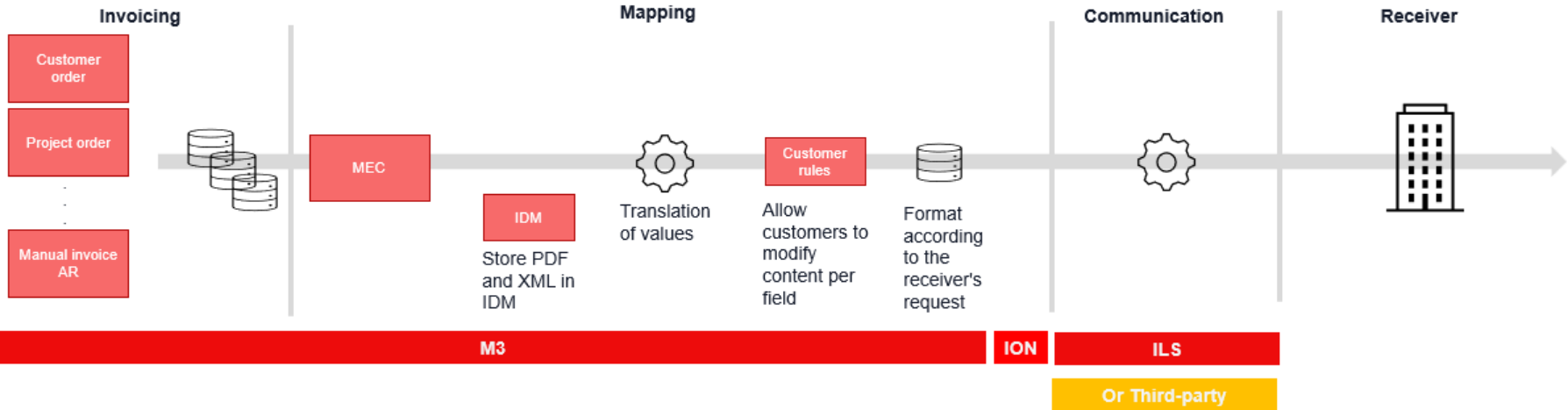
IEC FBMs – LSP Direct

Depending on the base country, M3 maps the targeted electronic invoices using API via IEC (eCollaborator) and FBMs (Financial Business Messages). The customers can customize the FBMs.

The electronic invoice files are sent to LSP. LSP can require a third party to be used for the communication, such as EDICOM in Mexico.
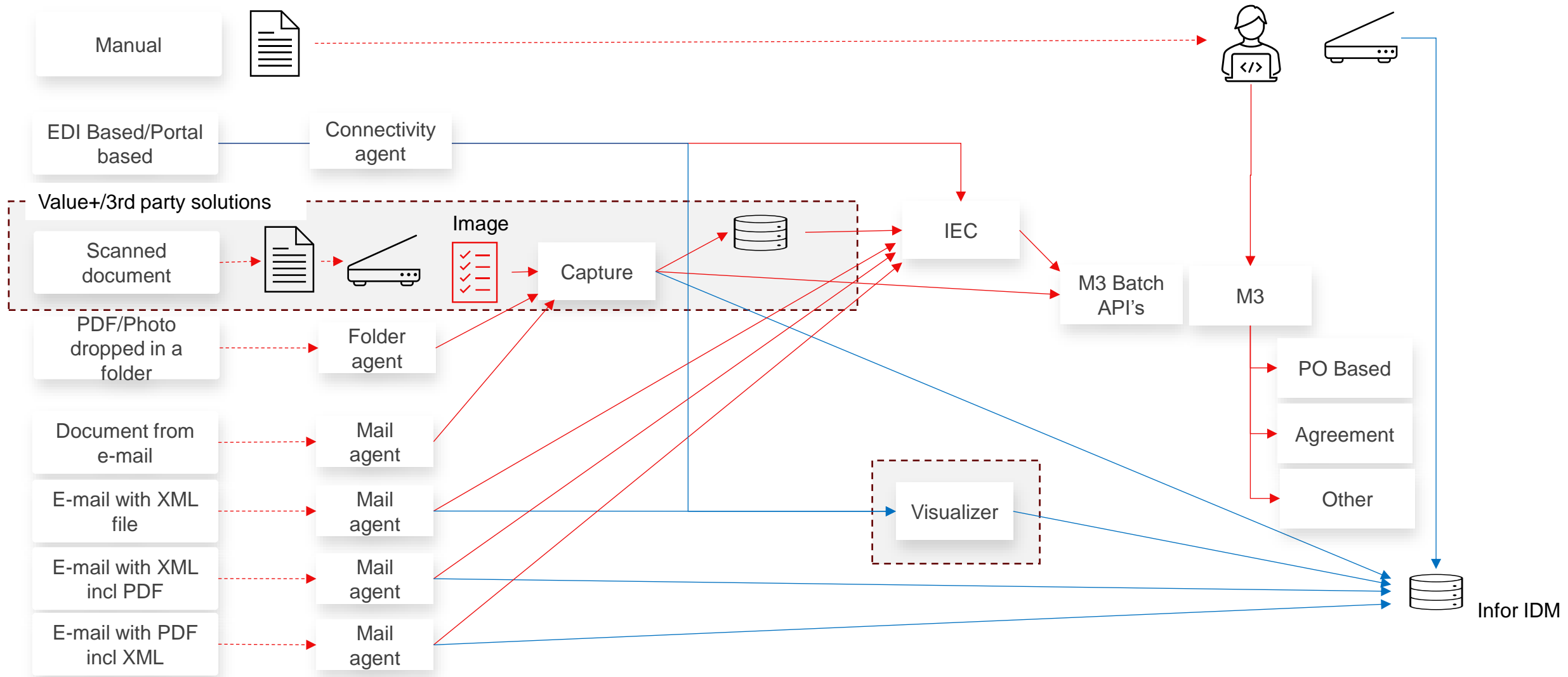
LSP Direct

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Architecture inbound invoices

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Inbound supplier invoices – from e-mail

E-invoices comes in many shapes, this development focus on the different alternatives when the invoice comes as an attachments in an e-mail Four alternatives will be supported.
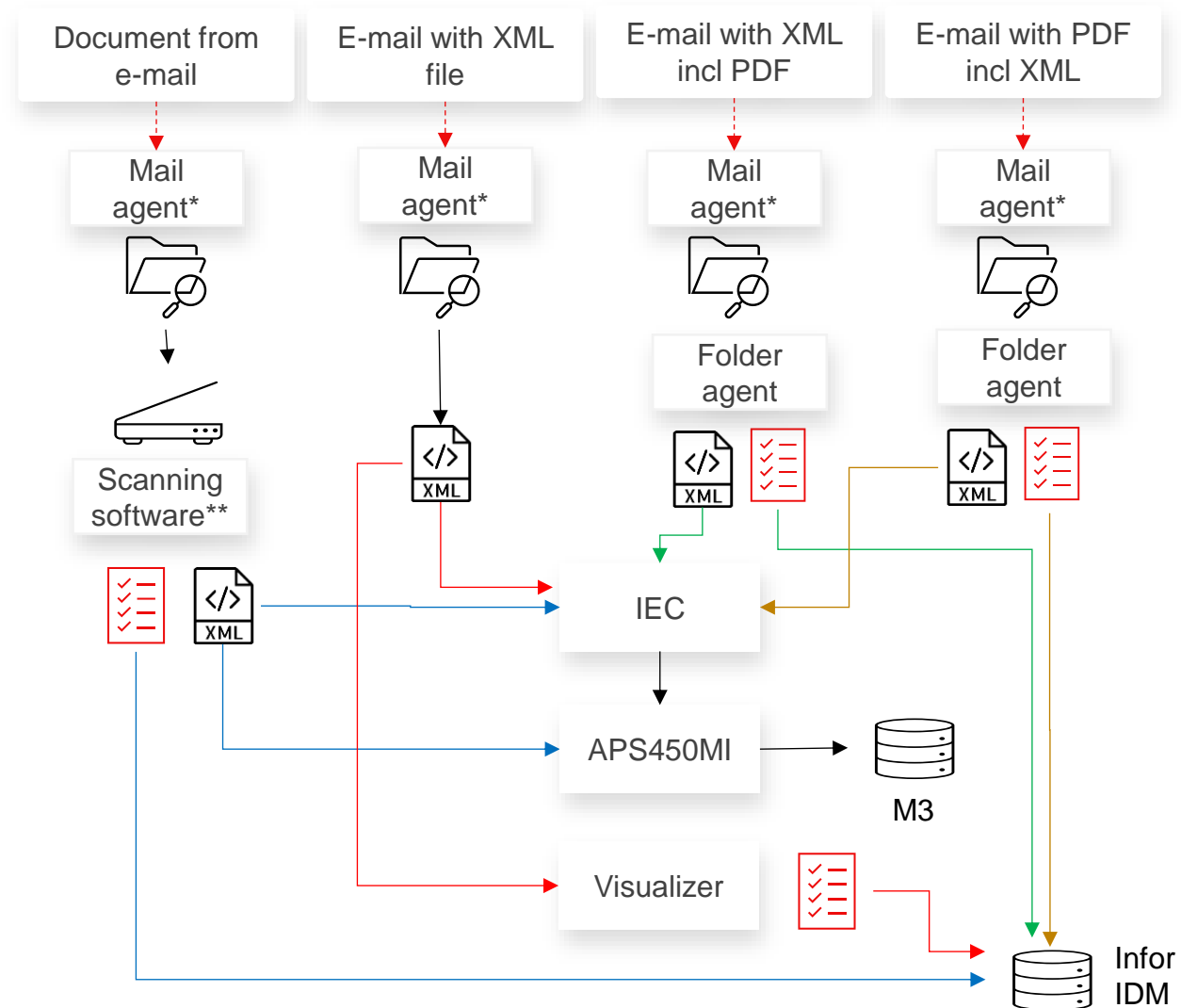
Reason for change

Supplier invoice can come as attachments in e-mails, and we have identified four variances

- E-mails with a PDF and attachments – needs to be scanned
- E-mail with XML file – needs to be translated in IEC and an image needs to be created
- E-mail with an XML that also holds a PDF – needs to be translated in IEC and the PDF sent to IDM
- E-mail with an PDF that also holds an XML – needs to be translated in IEC and the PDF sent to IDM

Planned changes

- Folder agent that can separate PDF from an XML, and XML from a PDF
- Visualizer – that can generate an image of an XML format
- Update to IDM for both PDF and XML and attach to the invoice.

| Document from e-mail | E-mail with XML file | E-mail with XML incl PDF | E-mail with PDF incl XML |

Mail agent* Mail agent* Mail agent* Mail agent*

Folder agent   Folder agent

Scanning software**

IEC

APS450MI → M3

Visualizer

Infor IDM

* Mail agent – must be done in each project
** Scanning software – 3rd party or Infor Value+

Outbound customer invoices – in e-mail

E-invoices comes in many shapes, this development focus on the different alternatives to distribute the invoices in an attachments in an e-mail Four alternatives will be supported.
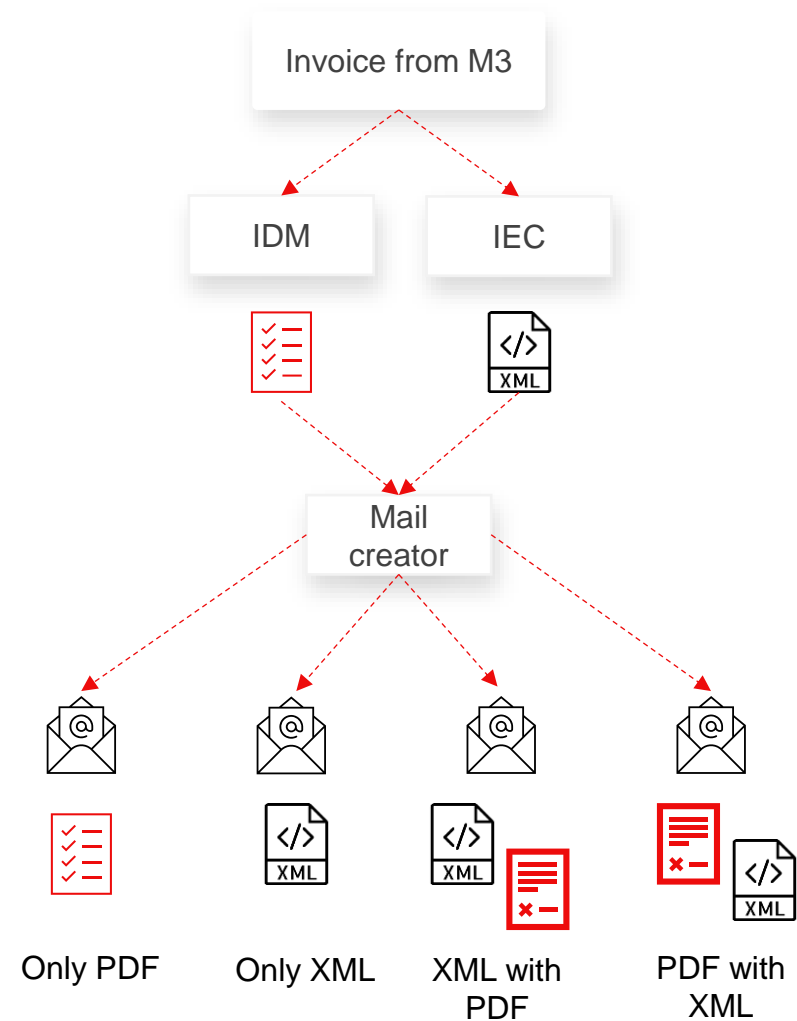
Reason for change

Four type of e-mail-based invoices exists today

- E-mails with a PDF
- E-mail with XML file
- E-mail with an XML that also holds a PDF
- E-mail with an PDF that also holds an XML

Planned changes

- E-mail with an XML that also holds a PDF
- E-mail with an PDF that also holds an XML

Invoice from M3

IDM   IEC

Mail creator

Only PDF   Only XML   XML with PDF   PDF with XML

Inbound supplier invoices – foreign suppliers

Invoices from another country with VAT will not be entered by the foreign supplier in the domestic government portal. It's the receiving company that must upload these invoice to the portal
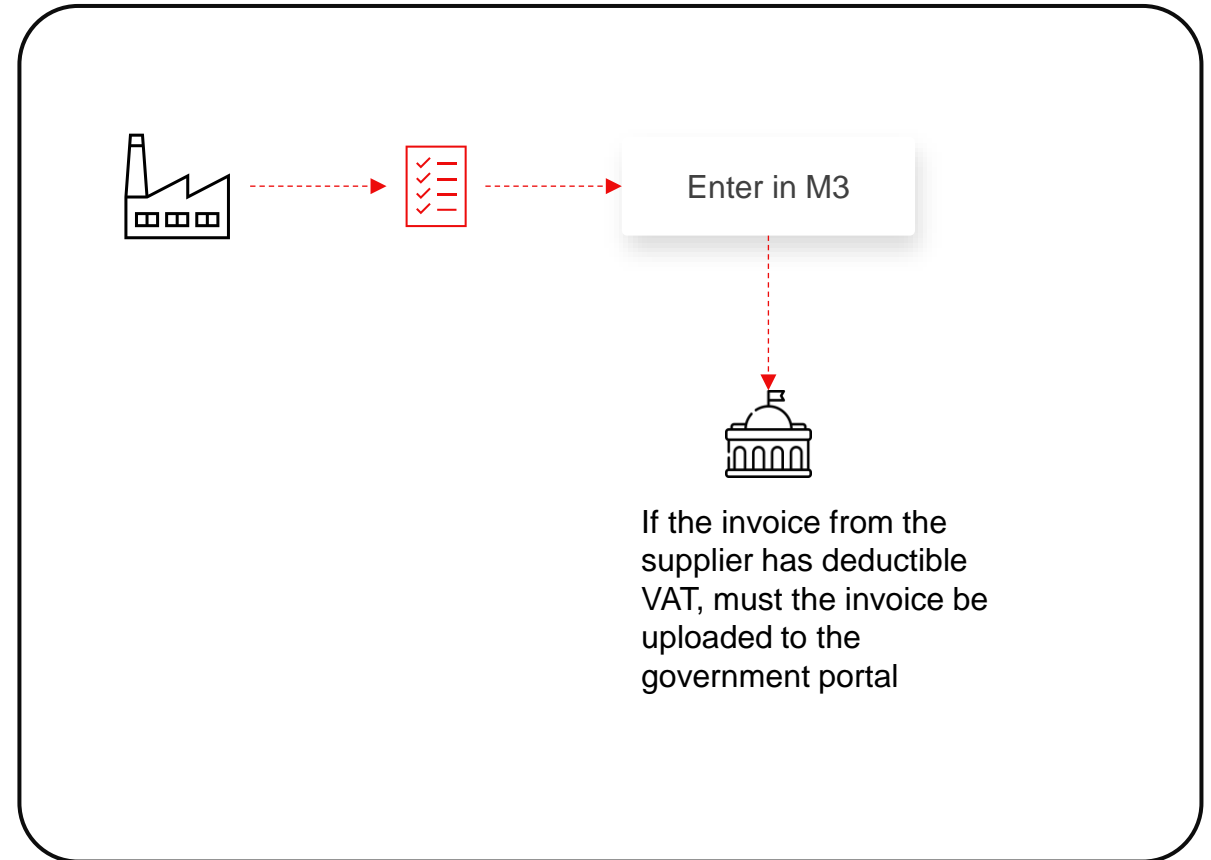
Reason for change

Invoices from foreign suppliers that has a deductible VAT must be reported to the government portal

Planned changes

• Connection from M3's supplier invoice entry programs to the governmental portal

Enter in M3

If the invoice from the supplier has deductible VAT, must the invoice be uploaded to the government portal

Inbound supplier invoices – self billing

Self billing and e-invoices is not a good combination. The receiving company must create the invoice and report it into the portal on the supplier's behalf.
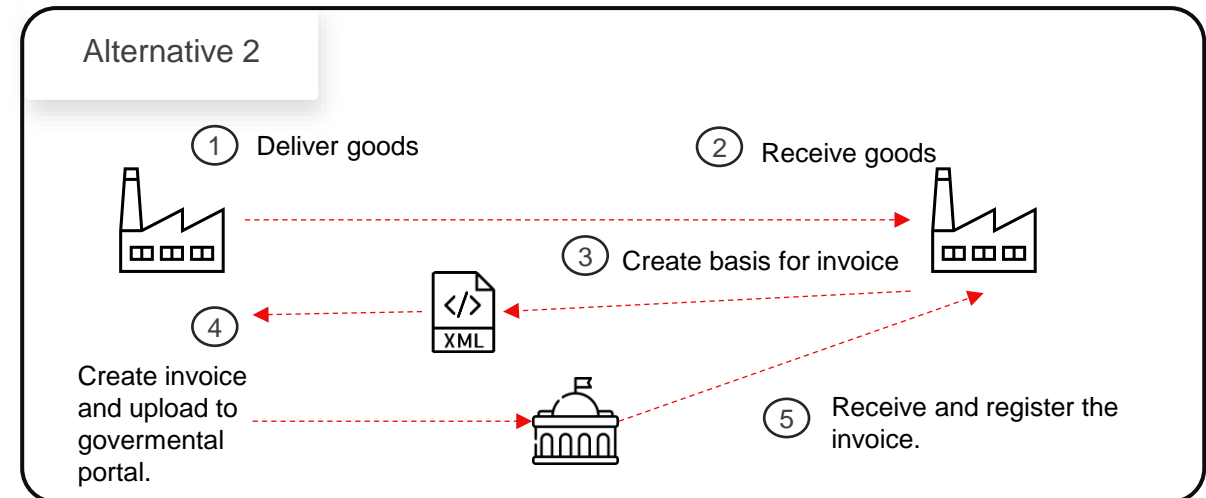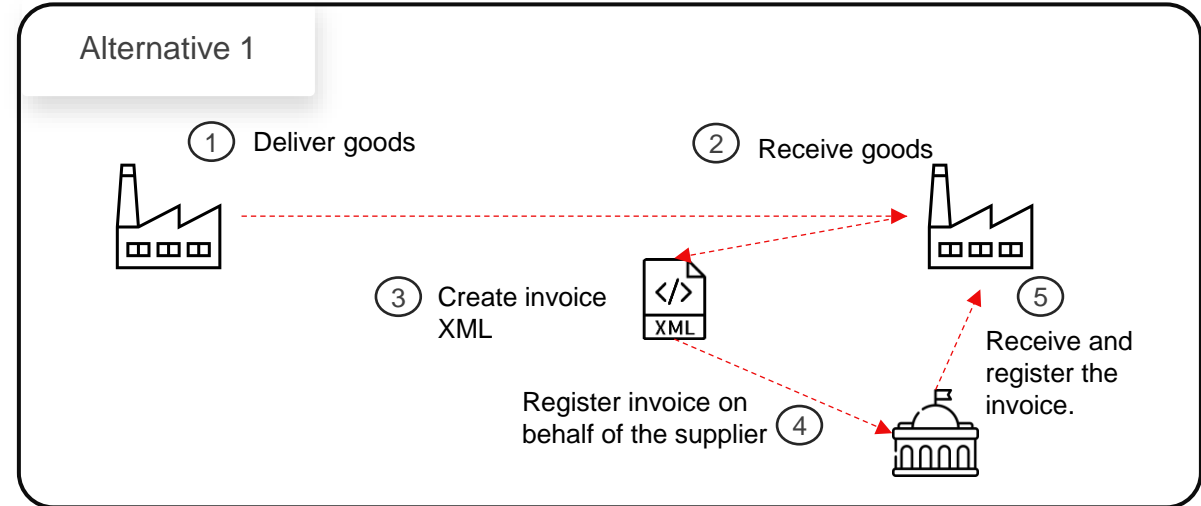
Reason for change

When e-invoices is introduced in countries must the way we manage self billing be changed .

Planned changes

Two variances are planned, since self billing is not allowed in all countries

• The first variance is when the receiving company create the invoice and report to the governmental portal

• The second variance is that the receiving company sends information about the received goods and that is used by the seller to create the invoice.

Alternative 1

① Deliver goods
② Receive goods
③ Create invoice XML
Register invoice on behalf of the supplier ④
⑤ Receive and register the invoice.

Alternative 2

① Deliver goods
② Receive goods
③ Create basis for invoice
④
Create invoice and upload to govermental portal.
⑤ Receive and register the invoice.

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More info

[KB3506911 M3 Country Version start page](#)

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Thanks for listening and welcome to follow us on our journey towards the future

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