

# Digital Service Providers Australia New Zealand

Attachments Focus Group  
Meeting 2, 29 August 2022

**dspanz.**

digital service providers  
australia new zealand



# Today's Agenda

1. Acknowledgement of country
2. Recap of meeting 1
3. Review capabilities
4. Review Consistent Data Mapping Guidance
5. Wrap up and Next steps

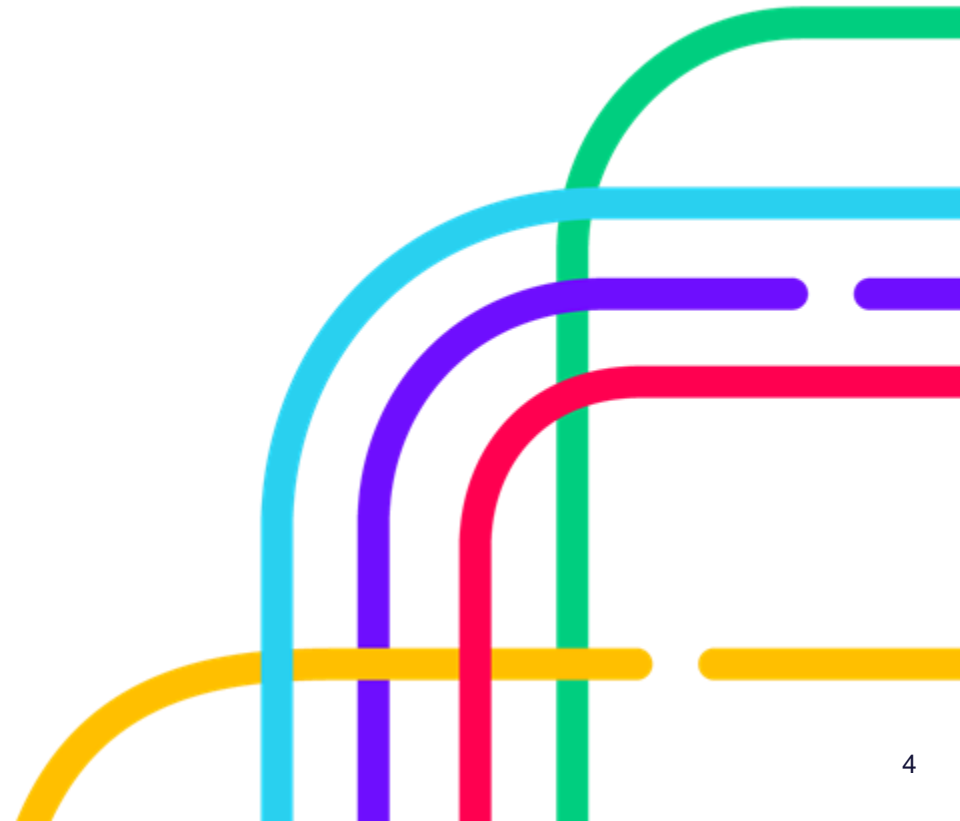
# Recap Meeting 1

Revised problem statement:

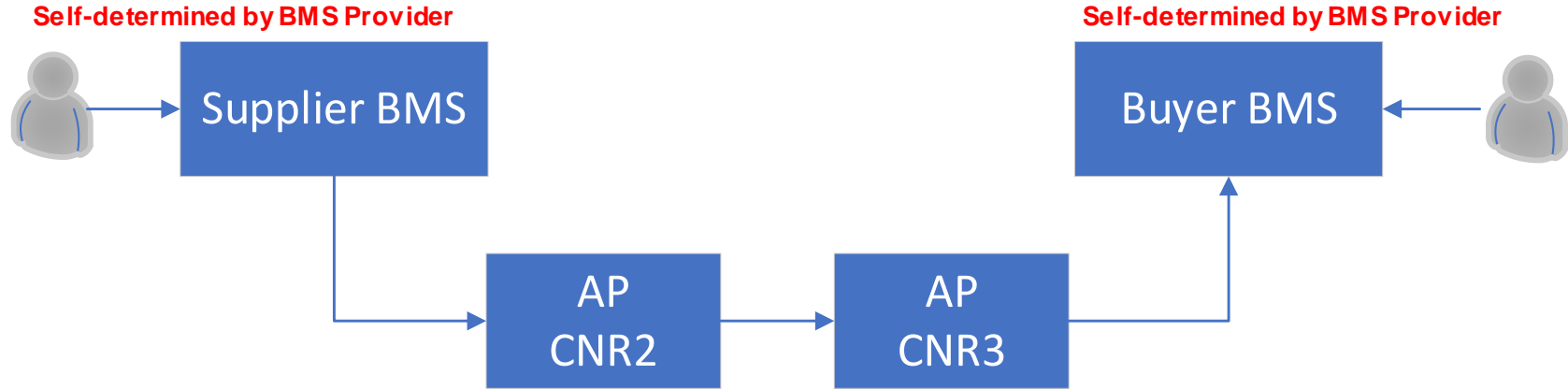
There are varied levels of support of attachments for Peppol Invoice and Credit Note transactions. As such, there are circumstances where end-users will require a better understanding of the use of attachments within the Peppol network.

Guidance is required to promote consistent support for sending, receiving and managing attachments (e.g., accessibility, storage etc.) which will strengthen data quality and richness, and maximise positive client experience.

# Review Capabilities



# Attachment Constraints - Theoretical



## Determined by Peppol:

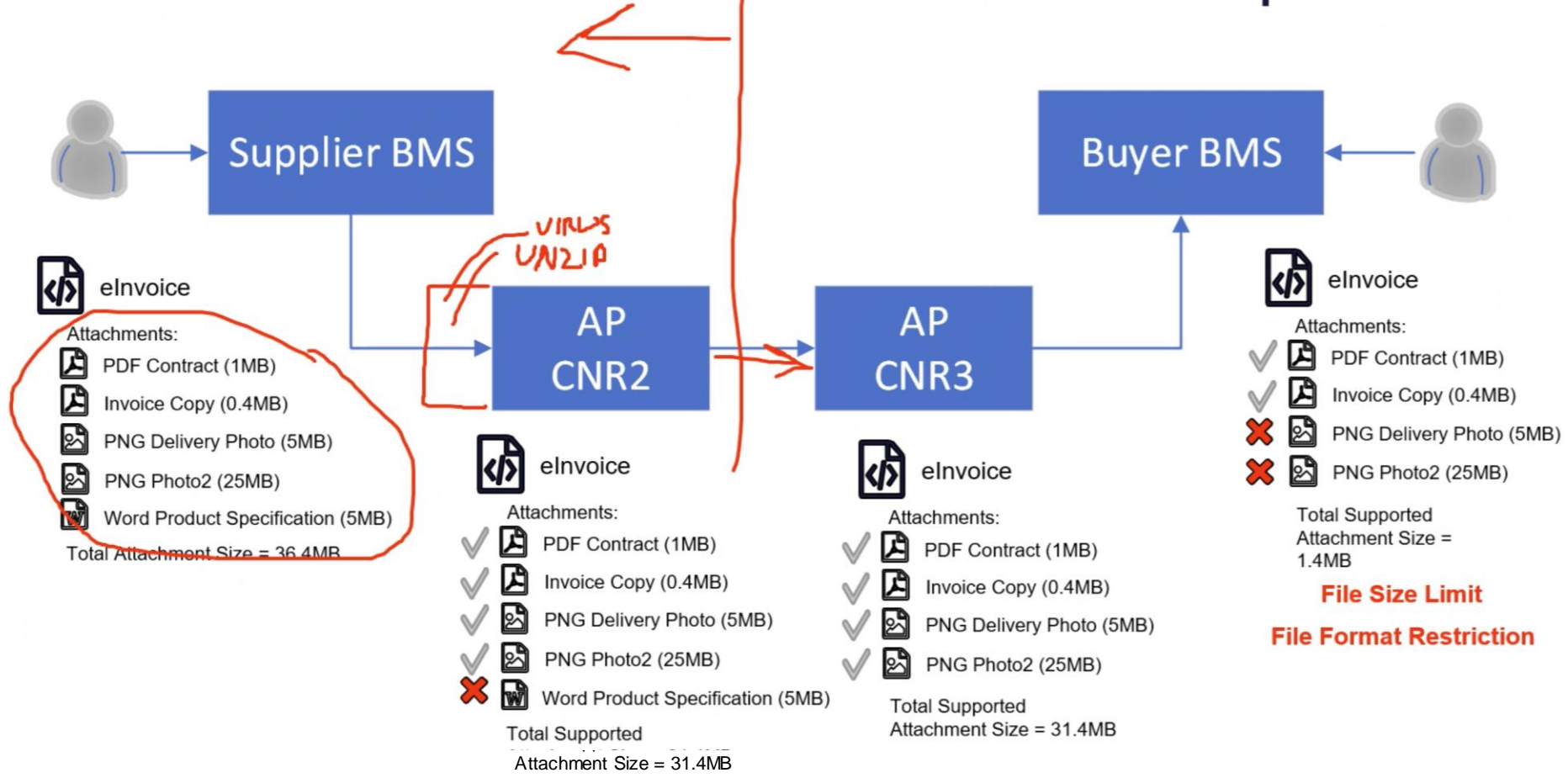
### Maximum Message Size

- **Post-Award (inc. Invoice):** 100MB
- **Pre-Award:** 1GB

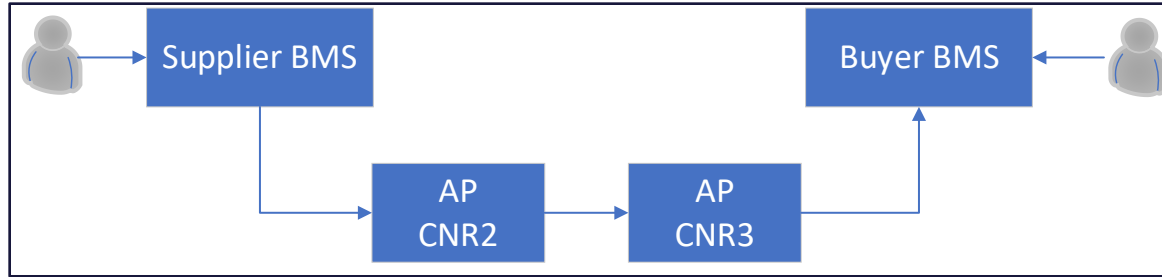
### File Formats (Mime Types)

- **PDF**
  - 'application/pdf'
- **Image**
  - 'image/png'
  - 'image/jpeg'
- **Spreadsheet**
  - 'text/csv'
  - 'application/vnd.openxmlformats-officedocument.spreadsheetml.sheet'
  - 'application/vnd.oasis.opendocument.spreadsheet'

# Attachment Constraints – Real World Implications



# Real-World Deployment Models



**Basic 4 Corner Model**

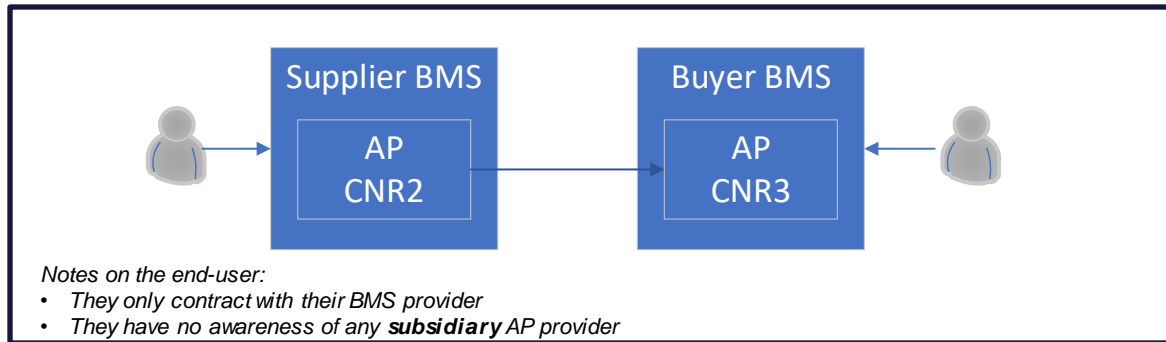
**The following real-world deployment models have been documented to highlight the complexity of the eco-system and it's implications on consistent user experience and handling of eInvoicing attachments.**

**The suite of deployment models is not exhaustive nor designed to highlight any particular service providers, but rather to illustrate the known and potential commercial models expected across the Australian and New Zealand market in the next 3 years.**

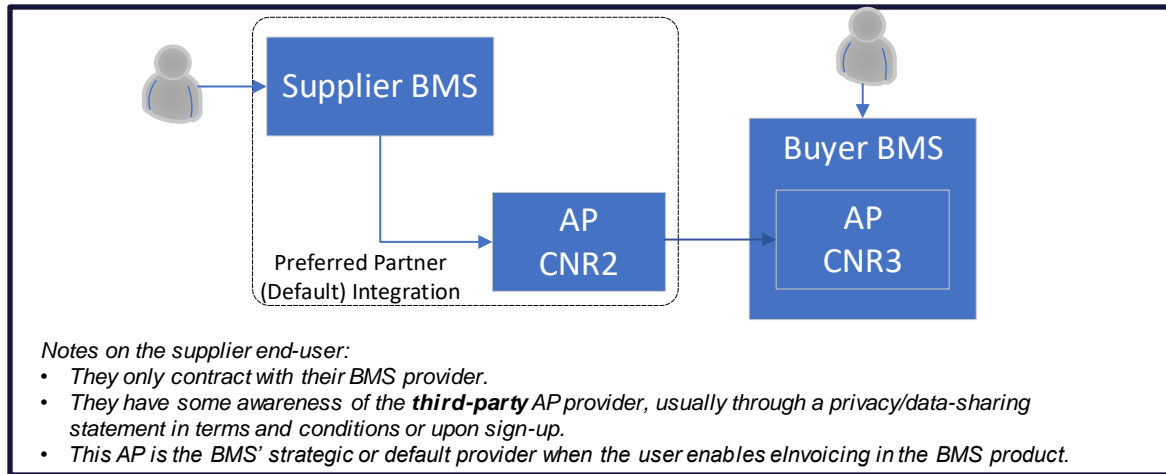
# Real-World Deployment Models

## Small / Medium / Large Business

### Fully Integrated AP Model



### Default Partner Integration Model

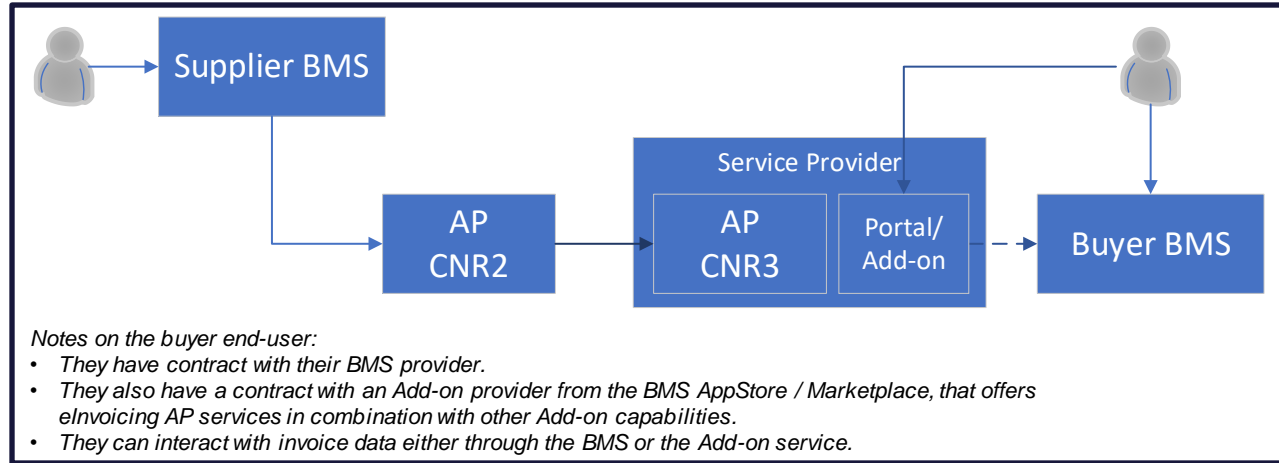




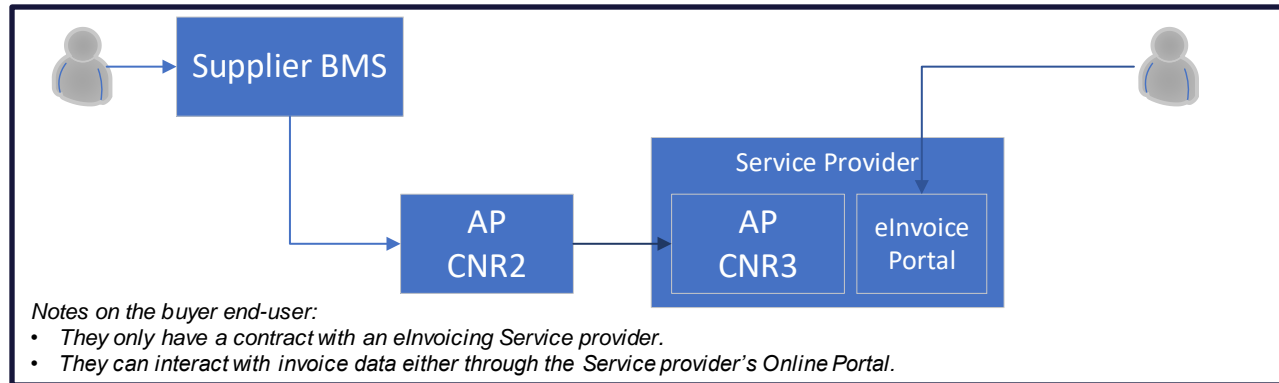
# Real-World Deployment Models

## Small / Medium Business

### Partner-First Model



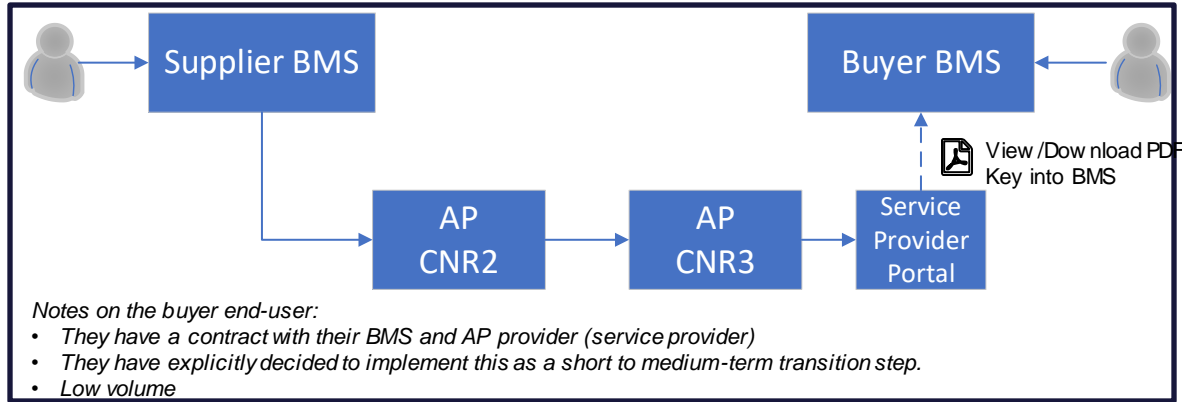
### Partner-Only Model



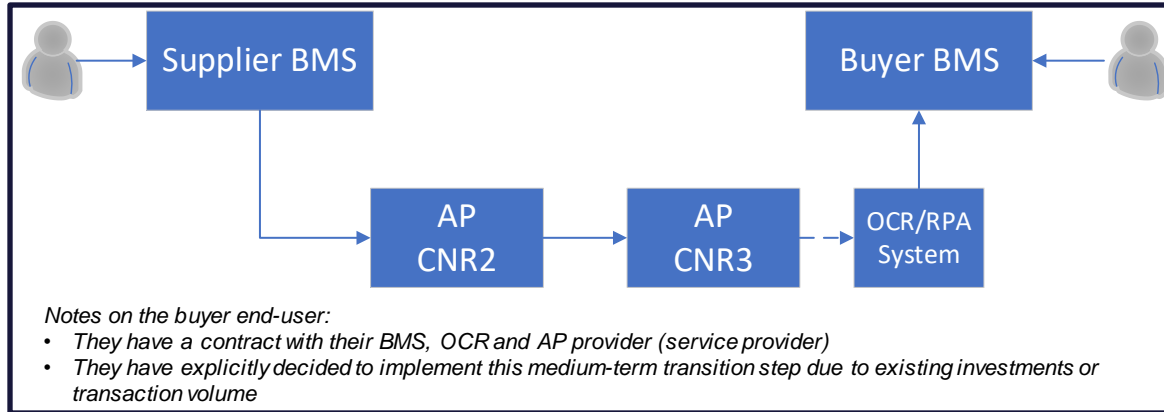
# Real-World Deployment Models

## Medium to Large Enterprise – Transition Models

### Basic Portal-based Transition Model



### Advanced Transition Model



# Review of Peppol Standard

## Example use cases:

1. Duplicating / rendering of eInvoice data (e.g. image or PDF)
2. Industry specific, e.g. utilities  
*Invoices may serve additional purposes. E.g. marketing information, meeting regulatory requirements such as Better Bills Guideline (BBG)*
3. Meeting buyer's processing needs. E.g.
  1. Customised supporting information, timesheets, payment terms, contract information
  2. Agreements between specific trading partners (ad hoc or regular arrangement). E.g. scanned work order given to a tradie

# Review Consistent Data Mapping Guidance

Issue statement:	Recommendation
<p>1 Interpretation of fields: When sending attachments in an eInvoice, three pieces of information must be provided:</p> <ol style="list-style-type: none"><li>1. Attachment ID (i.e. the reference or identifier of the attachment)</li><li>2. The file name attribute, and</li><li>3. The mime code attribute (i.e. the type/format of attachment, based on a code list).</li></ol> <p>There were different interpretations of the meaning of “File name” which has caused inconsistent use of this field. For example, some seller solutions have included the file path in the file name field.</p>	<p>Definitions of fields:</p> <ul style="list-style-type: none"><li>● Attachment ID: This should be the document identifier (similar to a PO having a PO number) of the attachment if applicable.</li><li>● File name attribute: This should be the title / name of the attached document, e.g. Supporting Document.pdf. Note that the document type extension (e.g. .pdf) should be included to simplify storage and access by the receiver.</li><li>● Mime code attribute: This field is to specify the format of an attachment. The appropriate code from the Peppol code list must be used.</li></ul> <p>Some implementations may include the file type extension in file name, e.g. “Attachment.pdf”. However, this is subject to the sender’s systems, and it is recommended that C4 should rely on the mime code attribute to determine the format of attachments.</p>

# Review Consistent Data Mapping Guidance cont.

## Identifying attachments:

Questions were also raised around instances where multiple attachments are included in an eInvoice, and how the buyer (eInvoice receiver) should identify whether an attachment is a rendered version of the eInvoice or contains supporting information.

## Refer to guidance below for:

2.1 attaching rendered eInvoice  
See UBL example 2.1

2.2 attaching supporting information (e.g. timesheet)  
See UBL example 2.2

# Review Consistent Data Mapping Guidance cont.

Attachment as a rendered eInvoice:

Some sending solutions by default will include an attachment, which is a rendered version (e.g. PDF) of the eInvoice, often with additional information (e.g. to meet regulatory requirements, support, marketing messages etc.). In this scenario, it is recommended that Peppol data fields for attachments are populated as follows:

Peppol fields	Proposed
Attachment ID (cac:Attachment/cbc:ID)	Invoice number, e.g. INV123
File name (cac:Attachment/cbc:EmbeddedDocumentBinaryObject/@filename)	Suggested a default value of “Rendered_Invoice_INV123” or “Rendered_Invoice_INV123.pdf”
Mime code (cac:Attachment/cbc:EmbeddedDocumentBinaryObject/@mimecode)	Must use one of the code from the Peppol code list, e.g. application/pdf”.

# Review Consistent Data Mapping Guidance cont.

*UBL example 2.1 (non-normative)*

```
<cac:AdditionalDocumentReference>
  <cbc:ID>Inv123</cbc:ID> <!--include the invoice number-->
  <cac:Attachment>
    <cbc:EmbeddedDocumentBinaryObject filename="Rendered_Invoice_inv123.pdf"
    mimeType="application/pdf">TWFuIGlzIGRpc3Rpbmd1aXNoZWQsIG5vdCBvbmx5IGJ5IGhpcy
    ByZWZzb24sIGJ1dCBieSB0aGlzIHNPbmd1bGFyIHh3c3Npb24gZnJvbSBvdGhlciBhbmltYWxzLCB
    3aGljaCBpcyBhIGx1c3Qgb2YgdGhlIG1pbmQsIHRoYXQgYnkgYSBwZXJzZXZlcmFuY2Ugb2YgZGVs
    aWdodCBpb1B0aGUGY29udGluZGVkIGF1ZCBpbmRlZmF0aWdhYmx1IGd1bmVvYXRpb24gb2Yga25vd
    2x1ZGdlLCBleGNlZWZzIHRoZSBzaG9ydCB2ZWwhbWVuY2Ugb2YgYW55IGNhcm5hbCBwbGVhc3VyZS
    4=</cbc:EmbeddedDocumentBinaryObject>
  </cac:Attachment>
</cac:AdditionalDocumentReference>
```

# Review Consistent Data Mapping Guidance cont.

## Attachments as supporting documents

Peppol fields	Proposed
Attachment ID (cac:Attachment/cbc:ID)	This should be the identifier of the supporting document, if applicable, e.g. timesheetwk18.
File name (cac:Attachment/cbc:EmbeddedDocumentBinaryObject/@filename)	This is the name of the attached file, e.g. Supporting_document.jpeg.
Mime code (cac:Attachment/cbc:EmbeddedDocumentBinaryObject/@mimecode)	Must use one of the code from the Peppol code list, e.g. "image/jpeg".

UBL example 2.2 (non-normative)

```
<cac:AdditionalDocumentReference>
  <cbc:ID>Supporting_document.JPEG</cbc:ID> <!--repeat file name if Attachment
  ID is not applicable-->
  <cac:Attachment>
    <cbc:EmbeddedDocumentBinaryObject filename=" Supporting_document.JPEG "
    mimeType="image/jpeg">TWFuIGlzIGRpc3Rpbmd1aXNoZWQsIG5vdCBvbmx5IGJ5IGhpcyByZW
    zb24sIGJ1dCBieSB0aG1zIHNoYm91dC8wL24sIGRlIGl1pbmQsIHRoYXQgYnk5Y29udG1udWV
    kIGFuZCBpbmR1ZmF0aWdhYm91dC8wL24sIGRlIGl1bmV5YXRpb24gb2Yga25vd2x1ZG
    d1L1CBleGN1ZWRzIHRoZSBzaG9ydCB2ZWh1bWV5Y2Ugb2YgYW55IGNhc3V5ZS4=</c
    bc:EmbeddedDocumentBinaryObject>
  </cac:Attachment>
</cac:AdditionalDocumentReference>
```



## Wrap Up & Next Meeting

- Wrap up
- Next meeting: 2 weeks time

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