

Consistent Data Mapping Focus Group

- Meeting 5, 28 April 2022



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Today's Agenda

- 1. Acknowledgement of Country / Introduction (5 mins)
- 2. Review of mapping examples (20 mins)
 - Clarification 1 GST Only Invoices
 - Issue 5 PO/Buyer Reference default value
- 3. Recap and next steps (10 mins)
- 4. Continue discussion on Issue 4 items (15 mins)
 - Usage details and organisational specific customer identifiers
- 5. Meeting close



Clarification 1 - GST Only Invoices

A GST-only invoice may be sent when an invoice is incorrectly issued without GST, and an adjustment is required. This can be done by issuing a new invoice with two lines:

a. one line with a negative amount to offset/cancel the previous invoice amount (GST codes and net amount should match the previous invoice that needs to be corrected).

b. a second line with the original amount plus 10% GST (Peppol tax category code S, standard).

*It must be clear that an invoice being sent as a 'correction' is to be treated as a namendment of a previous invoice. Details about this could be added at item name or elsewhere. This example includes a reference at the document level 'Note' field.



Correction/adjustment note

```
<cbc:InvoiceTypeCode>380</cbc:InvoiceTypeCode>
  <cbc:Note>Adjustment note to accompany previous invoice</cbc:Note>
```

Line 1 (negative amount, no GST)

```
<!--Time 1>
<cac:InvoiceLine>
       <cbc:TD>1</cbc:TD>
       <cbc:InvoicedQuantity unitCode="1I">-1</cbc:InvoicedQuantity>
       <cbc:LineExtensionAmount currencyID= "AUD">-1177.20</cbc:LineExtensionAmount>
       <!-codes omitted for clarity->
             <cac:Item>
                    <cbc:Description>Product</cbc:Description>
                    <cbc:Name>Name of product</cbc:Name>
                    <cac:OriginCountry>
                    <cbc:IdentificationCode>AU</cbc:IdentificationCode>
                    </cac:OriginCountry>
                    <cac:ClassifiedTaxCategory>
                    <cbc:ID>E</cbc:ID>
                    <cbc:Percent>0</cbc:Percent>
                    <cac:TaxScheme>
                    <cbc:ID>GST</cbc:ID>
                    </cac:TaxScheme>
                    </cac:ClassifiedTaxCategory>
              </cac:Ttem>
```

Line 2 (includes standard GST)

```
<!--Line 2>
       <cac:InvoiceLine>
       <cbc:ID>2</cbc:ID>
       <cbc:InvoicedQuantity unitCode="11">1</cbc:InvoicedQuantity>
       <cbc:LineExtensionAmount currencyID= "AUD">1177.20</cbc:LineExtensionAmount>
       <!-codes omitted for clarity->
             <cac:Item>
                    <cbc:Description>Product</cbc:Description>
                    <cbc:Name>Name of product</cbc:Name>
                    <cac:OriginCountry>
                    <cbc:IdentificationCode>AU</cbc:IdentificationCode>
                    </cac:OriginCountry>
                    <cac:ClassifiedTaxCategory>
                    <cbc:ID>S</cbc:ID>
                    <cbc:Percent>10</cbc:Percent>
                    <cac:TaxScheme>
                    <cbc:ID>GST</cbc:ID>
                    </cac:TaxScheme>
                    </cac:ClassifiedTaxCategory>
             </cac:Item>
```

Issue 5 - Order Reference and Buyer Reference

- A Peppol elnvoice must include at least one of the above references
- When neither a PO number or Buyer reference is relevant, the sender needs to include a default value to pass validation, e.g. "NA" or "PO"
- This has caused some processing issues when the default value is included in the Order Reference field, the receiver (C4) treats it as a PO number which cannot be matched. This may cause the invoice to be managed as an exception.
- Recommendation:
 - O For new implementations, if the source values do not exist, the default value should be put in the buyer reference field (in the UBL).
 - O The recommended default value should be:
 - BUYER-REFERENCE or NA
 - O Noting existing implementations may already use Invoice Number as the default value
 - e.g. INV-123, 123456, ABC123



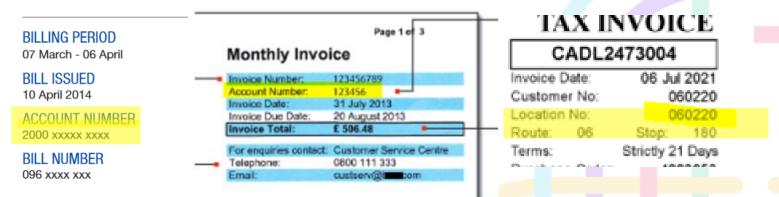
Consistent Data Mapping Issues

- Issue 1. Base Quantity is greater that invoiced Quantity
- Issue 2. Incorrect approach to GST
- Issue 3. Attachment File Name
- Issue 4. Various data elements:
 - O Issue 4.1. Organisational specific customer identifiers
 - O Issue 4.2. Non-Financial Delivery Information
 - O Issue 4.3. Freight/delivery charges
 - O Issue 4.4. Calculated Quantities
 - O Issue 4.5. Asset/equipment identifiers
 - O Issue 4.6. Additional data supporting payment of this invoice (e.g. Timesheets, usage)
 - O Issue 4.7. Additional data influencing customer purchasing decisions (e.g. trend data)
- Issue 5. Order Reference, Buyer Reference and default value
- For clarification 1: GST only invoices (Adjustment note)
- For clarification 2: Party Identifications in a Peppol elnvoice



Issue 4.1. – Organisational specific customer identifiers

Customer Account:		Customer PO:	Invoice Date:	Paymen	t Terms:	Page:
			01.11.2021	Net 30) Days	1 of 1
BD Sales Document: 500		Drop Ship Reference:			Contact: Nam	e
BD Delivery: 602		Mode of shipment: Truck FTL			Shipped From:	CREEK ISW 2178
Carrier Reference :		Carrier:	PTY LTD			P PER BD RMS & ONDITIONS





Issue 4.1 – Use cases and data requirements

- Use case
 - 1. A client (buyer) has multiple accounts with the supplier, e.g. for multiple business units/cost centres
 - A client (buyer) has multiple service sites with the supplier, e.g. for different office locations / construction sites
 - 3. A client (buyer) purchases different types of products / services
- Information usage
 - 1. Buyer to identify the business owner of the account for approval;
 - 2. Buyer to match the invoice against the contract for this account;
 - 3. Buyer to book the amount in the right cost centre
 - 4. Buyer to account the invoice in the right chart of accounts
 - 5. Seller to reconcile payment using the client number Seller may include client number as a customer reference number in the invoice payment section, and require the buyer use as reference when making payments.



Issue 4.1. – Organisational specific customer identifiers

Assumption: most sellers do not know how buyers use the information

For client numbers, account numbers, membership numbers, trading number etc.:

```
<!--Seller may require the identifier for payment reconciliation-->
<cac:AccountingCustomerParty>
    <cac:Party>
        <cbc:EndpointID schemeID="0151">123456789</cbc:EndpointID>
                                                                    <cac:PaymentMeans>
           <cac:PartyIdentification>
                                                                        <cbc:PaymentMeansCode name="Credit</pre>
               <cbc:ID>123abc</cbc:ID>
                                                                   transfer">30</cbc:PaymentMeansCode>
           </cac:PartyIdentification>
                                                                            <cbc:PaymentID>123abc/cbc:PaymentID>
           <cac:PartyName>
                                                                            <cac:PayeeFinancialAccount>
               <cbc:Name>ClientAccountNumber
           </cac:PartyName>
                                                                            </cac:PayeeFinancialAccount>
                                                                        </cac:PaymentMeans>
<!--Option 2-->
<cbc:BuyerReference>123abc/cbc:BuyerReference>
```

For location IDs, e.g. for a construction site, office/service location, where the goods /services have been delivered to and the address is different from the billing address

```
<cac:DeliveryLocation>
        <cbc:ID>Location123</cbc:ID><!--scheme ID can be
provided if applicable-->
</cac:DeliveryLocation>
```



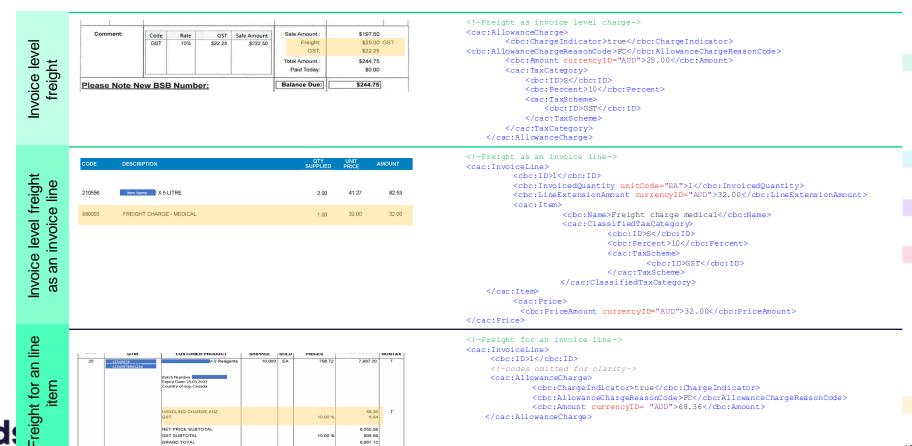
Issue 4.2. – Non-Financial Delivery Information (Completed)



```
<cbc:ID>1234567890</cbc:ID> <!-Invoice number->
  <cbc:IssueDate>2021-11-01</cbc:IssueDate>
  <cbc:DueDate>2021-12-01</cbc:DueDate>
  <cbc:InvoiceTypeCode>380</cbc:InvoiceTypeCode>
  <!-Delivery and tracking information are included in
  the free text field->
  <cbc:Note>Carrier: ABC Pty Ltd; Mode: Truck FTL;
  Freight Terms: DDP PER BD Terms and Conditions;
  Shipped from: ABC Creek NSW 2178; Contact: John
  Smith</cbc:Note>
```



Issue 4.3. – Freight/delivery charges (Completed)



Issue 4.3.1 – Discounts (Completed)

Similarly, discounts (e.g. of \$50) can be applied for the entire invoice, or only for an invoice line.

Mapping of discount information is similar to (freight) charges.

Note: item prices may also have discount. This is used to calculate the net item price only.

```
<!--Discount at invoice level as an invoice line-->
<cac:InvoiceLine>
   <chc tD>1</chc tD>
   <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
   <cbc:LineExtensionAmount currencyID="AUD">50.00</cbc:LineExtensionAmount>
   <cac:Item>
       <cbc:Name>Discount</cbc:Name>
            <cac:ClassifiedTaxCategory>
             <cbc:ID>S</cbc:ID>
             <cbc:Percent>10</cbc:Percent>
             <cac:TaxScheme>
                <cbc+TD>GST</cbc+TD>
             </cac:TaxScheme>
         </cac:ClassifiedTaxCategory>
   </cac:Item>
         <cac:Price>
         <cbc:PriceAmount currencyID="AUD">50.00</cbc:PriceAmount>
</cac:Price>
```



Issue 4.4 – Calculated Quantity (Completed)

Open	Close	Meter	Minimum	Rate	Ex GST
	Contact:	JESS GILL			
	Phone:	04 33448827			
	Location:	CONSUMER 8	BUSINESS SERVICE	ES GROUND	
		FLOOR, 91-97	GRENFELL STREET	T ADELAIDE SA	
193167	193802	635	-	\$0.00592	3.75
34835	35024	189	_	\$0.05922	11.19

<!--Option1: use Item Description field--> <cac:InvoiceLine> <cbc:ID>1</cbc:ID> <cbc:InvoicedQuantity</pre> unitCode="EA">635</cbc:InvoicedQuantity> <cbc:InvoicedQuantity</pre> unitCode="EA">635</cbc:InvoicedQuantity> <cbc:LineExtensionAmount.</pre> currencyID="AUD">3.75</cbc:LineExtensionAmount> <cac:Item> <cbc:Description>Open reading: 93167; Close reading:103802</cbc:Description> </cac:Item> <cac:Price> <cbc:PriceAmount</pre> currencyID="AUD">0.00592</cbc:PriceAmount> </cac:Price>

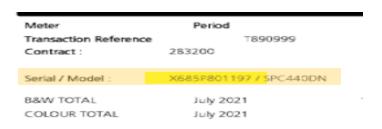
<u>Scenario</u>: In some cases, invoiced quantity is determined by calculation based on multiple parameters, e.g. open and close meter reading; number of hired items x duration.

Questions for discussion (consider both SME & LRG impacts):

- Do C4 require detailed calculation of quantity?
- What options are available for C1 software solutions?
 What is the alternative option if C1's solution cannot support the data?
- Can C4 software solutions receive /displaythese fields?

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Issue 4.5 – Asset/equipment identifiers (Completed)



ltem	Product and description	Quantity UoM	
10	Item number 12345678 Item name Replacement XDR WMTS	1 PCE	Net amount GST (10%)
	EAN: 123456789012		Amount incl. GST

Scenario 1: Invoiced object identifier

- An invoice may contain <u>multiple items for the same equipment</u>, e.g. the invoiced items are black/white toners and colour toners for a printer
- The printer's serial number and model number are shown on the invoice.

Scenario 2: Item identifiers for an invoice line

- Goods (sometimes services) may be assigned with specific identification/classification numbers.
- This could be assigned by a seller or by a buyers, or use a commercial/common scheme (e.g. GTIN or EAN number).

Questions for discussion

- Do SMEs need to provide this level of detail to a large buyer?
- What options are available for C1 software solutions?
 What is the alternative option if C1's solution cannot support the data?
- Can C4 software solutions receive /display these fields?



Issue 4.5 – Asset/equipment identifiers (Completed)

Scenario 1	– invoice level ob	oject identifier		Comments
Option 1	Invoice Object Identifier	<pre><cac:additionaldocumentreference> <cbc:id>X685P801197</cbc:id> <cbc:documenttypecode>130</cbc:documenttypecode></cac:additionaldocumentreference></pre>	:DocumentTypeCode>	Peppol has a specific solution to use "130" as Document Type Code, which indicates that the ID is to reference the invoiced "object".
Option 2	Free text field	<pre><cbc:note>Serial number is X685P8</cbc:note></pre>	01197	Alternatively, seller may choose to include the II in the free text field, which highly likely requires manual effort if C4 requires the information.
Scenario 2	– line level itemi	dentifier		
Option 1	Item identification	<pre><cac:buyersitemidentification></cac:buyersitemidentification></pre>		Peppol supports specifying seller-assigned, or buyer-assigned item identifiers (cac:SellersItemIdentifiation and cac:BuyersItemIdentification) Peppol also supports using a commercial standard for item identification (cac:StandardItemIdentification, where schemeID must be included. 0160 = GTIN)
Option 2	Item Name or Description	<pre><cac:item></cac:item></pre>	X685P801197	
Option 3	Free text field	<pre><cac:invoiceline></cac:invoiceline></pre>	<pre>(685P801197</pre>	

Issue 4.6 – Usage details

Option 1

An invoice shows the charge for each service as an invoice line.

30 SERVICE LEVEL SUMMARY

Line Rental / Network Access	100.00
Local Calls	308.96
Mobile Calls	390.02
National Calls	1098.26

Scenario: Example of how utilities/telco invoice can be mapped and sent, with each service listed as a separate line item on the invoice.

Questions for discussion (consider both SME & LRG entities):

- What information should be transmitted as UBL, to support automation?
- Options to convey other information, such as data usage and account summary, e.g. as attachments?

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```
<!--Service Level Summary of charges for all services, by charge type-->
<!-Line 1 for Line Rental and Network Access-->
<cac:InvoiceLine>
           <cbc: TD>1</cbc: TD>
           <cbc:Note>Service Level Summary<!--Optional-->
           <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
           <cbc:LineExtensionAmount currencyID= "AUD">100.00/cbc:LineExtensionAmount>
           <cac:Ttem>
                 <cbc:Name>Line Rental/Network Access
                 <cac:ClassifiedTaxCategory>
                             <cbc:ID>S</cbc:ID>
                             <cbc:Percent>10</cbc:Percent>
                             <cac:TaxScheme>
                                  <cbc: TD>GST</cbc: TD>
                            </cac:TaxScheme>
                       </cac:ClassifiedTaxCategory>
       </re>
           <cac:Price>
          <cbc:PriceAmount currencyID="AUD">100.00</cbc:PriceAmount>
           </cac.Price>
     </rac.InvoiceLine>
<!-Line 2 for Local calls-->
     <cac : InvoiceLine>
           <cbc:ID>2</cbc:ID>
           <cbc:Note>Local Calls<!--Optional-->
           <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
           <cbc:LineExtensionAmount currencyID= "AUD">308.98/cbc:LineExtensionAmount>
           <cac tem>
                 <cbc:Name>Local calls
                 <cac:ClassifiedTaxCategory>
                             <cbc:ID>S</cbc:ID>
                             <cbc:Percent>10</cbc:Percent>
                             <cac:TaxScheme>
                                  <chc tD>GST</chc tD>
                            </rac.TaxScheme>
                       </cac:ClassifiedTaxCategory>
       </cac:Item>
          <cbc:PriceAmount currencyID="AUD">308.98</cbc:PriceAmount>
           </cac:Price>
     </cac:InvoiceLine>
```

Issue 4.6 – Usage details

Option 2

An invoice shows detailed charges for an account/service.

SERIVCE DETAILS @

11.0-05/78-606

\$2.00

From Details Quantity Rate As	
25 Jan 24 Feb Number Diversion 1 2.00	2.00

Line Rental / Network Access

Multi Line Number: 0XXXXXXXXXX

Total Cost

\$1831.29

Fram		Details	Quantity	Rate	Amount
25 Jan 25 Jan	24 Feb 24 Feb	EXTENSION NUMBERS SERVICE CHARGE	100 1	0.33 25.00	33.00 25.00
					\$58.00

Local Calls

Date	Description	Quantity	Rate	Amount
25 Jan	1696 calls			115.45
Total for Laca	d Callie			\$115.45

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Date	Jime	Description	Tel No	Minisec	Rate	Amount
75 Jan	08:15am	Brisbane	X000000000X	0:00:25	Peak	0.03
05 Jan	08:17am	Brisbane	X000000000X	0:02:20	Peak	0.16
nsl. 20	08:49am	Caboolture	100000000000	0:01:10	Peak.	0.08
XXX XXX	30030000	30000000000	300000000000	X:30X:30X	3000X	300,300
XXX XXXX	300:30000	30000000000	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	X:300:30X	3000X	300,300
YY YYY	300-300000	200000000	vonconnon	V-978-37V	YOUN	77.77
2345 Ca	lis		Total Duration	X:XX:XX		\$1,657.84

Date	Jime	Description	Tel No	Minisec	Rate	Amount
05 Jan	08:15am	Brisbane	X000000000X	0:00:25	Peak	0.03
05 Jan	08:17am	Brisbane	X000000000X	0:02:20	Peak	0.16
05 Jan	08:49am	Caboolture	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	0:01:10	Peak	0.08
XXX XXXX	30030000	30000000000	2000000000000	X:300:30X	3000X	300,300
300 3000	300:30000	30000000000	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	X:300:30X	3000X	300,300
YY YYY	300,300,00	200000000	vonconnor	V-978-37V	YOUN	277.379
2345 Ca	lis		Total Duration	X:XX:XX		\$1,657.84

```
<!--Line 1 for number 0xxxxxxxx-->
<cac:InvoiceLine>
        <cbc: TD>1</cbc: TD>
        <cbc:Note>Multi line number 04xxxxxx</cbc:Note>
        <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
        <cbc:LineExtensionAmount currencyID= "AUD">2.00</cbc:LineExtensionAmount>
        <cac:Ttem>
            <cbc:Name>Diversion</cbc:Name>
            <!-codes omitted for clarity->
        </cac:Item>
        <cac:Price>
           <cbc:PriceAmount currencyID="AUD">2.00</cbc:PriceAmount>
        </cac:Price>
    </cac:InvoiceLine>
<!--Line 2 Line rental and network access for number 0xxxxxx-->
    <cac:InvoiceLine>
        <chc.tD>2</chc.tD>
        <cbc:Note> Multi line number 04xxxxxx </cbc:Note>
        <cbc:InvoicedOuantity unitCode="EA">1</cbc:InvoicedOuantity>
        <cbc:LineExtensionAmount currencyID= "AUD">58.00</cbc:LineExtensionAmount>
    <cac Ttem>
            <cbc:Name>Extension numbers</cbc:Name>
            <!-codes omitted for clarity->
        </cac:Item>
        <cac:Price>
           <cbc:PriceAmount currencyID="AUD">58.00</cbc:PriceAmount>
        </cac.Price>
    </cac:InvoiceLine>
<!--Line 3 Local calls for number 0xxxxxx-->
    <cac : InvoiceLine>
        <chc.tD>3</chc.tD>
        <cbc:Note> Multi line number 04xxxxxxx </cbc:Note>
        <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
        <cbc:LineExtensionAmount currencyID= "AUD">115.45/ cbc:LineExtensionAmount
    <cac:Item>
            <cbc:Name>Local calls
            <!-codes omitted for clarity->
<!--Line 4 National calls for number 0xxxxxx-->
    <cac · InvoiceLine>
        <chc tD>3</chc tD>
        <cbc:Note> Multi line number 04xxxxxxx </cbc:Note>
        <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
        <cbc:LineExtensionAmount currencyID= "AUD">1657.84/cbc:LineExtensionAmount>
    <cac:Ttem>
            <cbc:Name>Local calls
            <!-codes omitted for clarity->
```

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