

Digital Service Providers Australia New Zealand

Consistent Data Mapping Focus Group
- Meeting 3, 17 March 2022



Today's Agenda

1. Acknowledgement of Country
2. Introduction (5 mins)
3. Review of the sample invoices / issues (30 mins)
4. Meeting close (5 mins)

Consistent Data Mapping Issues

- Issue 1. – Base Quantity is greater than invoiced Quantity
- Issue 2. – Incorrect approach to GST
- Issue 3. – Attachment File Name
- Issue 4. – Various data elements:
 - Issue 4.1. – Organisational specific customer identifiers
 - Issue 4.2. – Non-Financial Delivery Information
 - Issue 4.3. – Freight/delivery charges
 - Issue 4.4. – Calculated Quantities
 - Issue 4.5. – Asset/equipment identifiers
 - Issue 4.6. – Additional data supporting payment of this invoice (e.g. Timesheets, usage)
 - Issue 4.7. – Additional data influencing customer purchasing decisions (e.g. trend data)
- **GST only invoices (Adjustment note)**

Issue 4.1. – Organisational specific customer identifiers

Customer Account: [REDACTED]	Customer PO: [REDACTED]	Invoice Date: 01.11.2021	Payment Terms: Net 30 Days	Page: 1 of 1
BD Sales Document: 500 [REDACTED]	Drop Ship Reference:	Contact: [REDACTED] Name		
BD Delivery: 602 [REDACTED]	Mode of shipment: Truck FTL	Shipped From: [REDACTED] CREEK NSW 2178		
Carrier Reference :	Carrier: [REDACTED] PTY LTD	Freight Terms: DDP PER BD TERMS & CONDITIONS		

```

<!--Option 1-->
<cac:PaymentMeans>
  <cbc:PaymentMeansCode name="Credit
transfer">30</cbc:PaymentMeansCode>

  <cbc:PaymentID>AccountNumber</cbc:PaymentID>

  <cac:PayeeFinancialAccount>
    <cbc:ID>payee@business1.com.au</cbc:ID>
    <cbc:Name>Allan Smithy</cbc:Name>
    <cac:FinancialInstitutionBranch>
      <cbc:ID>BSB Number</cbc:ID>
    </cac:FinancialInstitutionBranch>
  </cac:PayeeFinancialAccount>
</cac:PaymentMeans>
  
```

```

<!--Option 2-->
<cbc:BuyerReference>Account Number</cbc:BuyerReference>

<!--Purchase Order number>
<cac:OrderReference>
  <cbc:ID>PurchaseOrderReference</cbc:ID>
</cac:OrderReference>
  
```

Issue 4.2. – Non-Financial Delivery Information

Customer Account: [REDACTED]	Customer PO: [REDACTED]	Invoice Date: 01.11.2021	Payment Terms: Net 30 Days	Page: 1 of 1
BD Sales Document: 500 [REDACTED]	Drop Ship Reference:	Contact: [REDACTED] Name		
BD Delivery: 602 [REDACTED]	Mode of shipment: Truck FTL	Shipped From: [REDACTED] CREEK NSW 2178		
Carrier Reference :	Carrier: [REDACTED] PTY LTD	Freight Terms: DDP PER BD TERMS & CONDITIONS		

```
<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

Invoice level freight

Code	Rate	GST	Sale Amount	Sale Amount:	
GST	10%	\$22.25	\$222.50	Freight:	\$197.50
				GST:	\$25.00 GST
				Total Amount:	\$244.75
				Paid Today:	\$0.00
Please Note New BSB Number:				Balance Due:	\$244.75

```

<!--Freight as invoice level charge-->
<cac:AllowanceCharge>
  <cbc:ChargeIndicator>true</cbc:ChargeIndicator>
  <cbc:AllowanceChargeReasonCode>FC</cbc:AllowanceChargeReasonCode>
  <cbc:Amount currencyID="AUD">25.00</cbc:Amount>
  <cac:TaxCategory>
    <cbc:ID>S</cbc:ID>
    <cbc:Percent>10</cbc:Percent>
    <cac:TaxScheme>
      <cbc:ID>GST</cbc:ID>
    </cac:TaxScheme>
  </cac:TaxCategory>
</cac:AllowanceCharge>
  
```

Invoice level freight as an invoice line

CODE	DESCRIPTION	QTY SUPPLIED	UNIT PRICE	AMOUNT
210556	Item Name X 5 LITRE	2.00	41.27	82.53
980003	FREIGHT CHARGE - MEDICAL	1.00	32.00	32.00

```

<!--Freight as an invoice line-->
<cac:InvoiceLine>
  <cbc:ID>1</cbc:ID>
  <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
  <cbc:LineExtensionAmount currencyID="AUD">32.00</cbc:LineExtensionAmount>
  <cac:Item>
    <cbc:Name>Freight charge medical</cbc:Name>
    <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>
  <cbc:Price>
    <cbc:PriceAmount currencyID="AUD">32.00</cbc:PriceAmount>
  </cbc:Price>
</cac:InvoiceLine>
  
```

Freight for an line item

QTY	GTIN	CUSTOMER PRODUCT	SHIPPED	SOLD	PRICES	NON TAX
20	13226523 13151678901114	V-2 Reagents Batch Number: Expiry Date: 25.03.2022 Country of orig: Canada	10.000	EA	796.72	7,967.20 T
		HANDLING CHARGE ANZ GST			10.00 %	68.36 6.84 T
		NET PRICE SUBTOTAL				8,055.56
		GST SUBTOTAL			10.00 %	805.56
		GRAND TOTAL				8,861.12

```

<!--Freight for an invoice line-->
<cac:InvoiceLine>
  <cbc:ID>1</cbc:ID>
  <!--codes omitted for clarity-->
  <cac:AllowanceCharge>
    <cbc:ChargeIndicator>true</cbc:ChargeIndicator>
    <cbc:AllowanceChargeReasonCode>FC</cbc:AllowanceChargeReasonCode>
    <cbc:Amount currencyID="AUD">68.36</cbc:Amount>
  </cac:AllowanceCharge>
</cac:InvoiceLine>
  
```

Issue 4.3.1 – Discounts

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-->
<cac:AllowanceCharge>
  <cbc:ChargeIndicator>false</cbc:ChargeIndicator>
  <cbc:AllowanceChargeReasonCode>95</cbc:AllowanceChargeReasonCode>
  <cbc:AllowanceChargeReason>Discount</cbc:AllowanceChargeReason>
  <cbc:Amount currencyID="AUD">50.00</cbc:Amount>
  <cac:TaxCategory>
    <cbc:ID>S</cbc:ID>
    <cbc:Percent>10</cbc:Percent>
    <cac:TaxScheme>
      <cbc:ID>GST</cbc:ID>
    </cac:TaxScheme>
  </cac:TaxCategory>
</cac:AllowanceCharge>
```

```
<!--Discount only for an invoice line-->
<cac:InvoiceLine>
  <cbc:ID>1</cbc:ID>
  <!--codes omitted for clarity-->
  <cac:AllowanceCharge>
    <cbc:ChargeIndicator>false</cbc:ChargeIndicator>
    <cbc:AllowanceChargeReasonCode>95</cbc:AllowanceChargeReasonCode>
    <cbc:AllowanceChargeReason>Discount</cbc:AllowanceChargeReason>
    <cbc:Amount currencyID="AUD">68.36</cbc:Amount>
  </cac:AllowanceCharge>
```

```
<!--Discount at invoice level as an invoice line-->
<cac:InvoiceLine>
  <cbc:ID>1</cbc:ID>
  <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:ID>GST</cbc:ID>
      </cac:TaxScheme>
    </cac:ClassifiedTaxCategory>
  </cac:Item>
  <cac:Price>
    <cbc:PriceAmount currencyID="AUD">50.00</cbc:PriceAmount>
  </cac:Price>
```


Issue 4.5 – Asset/equipment identifiers

Meter	Period
Transaction Reference Contract :	T890999 283200
Serial / Model :	X685P801197 / SPC440DN
B&W TOTAL	July 2021
COLOUR TOTAL	July 2021

Invoice level

Option 1	Invoice Object Identifier	<pre><cac:AdditionalDocumentReference> <cbc:ID>X685P801197</cbc:ID> <cbc:DocumentTypeCode>130</cbc:DocumentTypeCode></pre>
Option 2	Free text field	<pre><cbc:Note>Serial number is X685P801197</cbc:Note></pre>

Item level

Option 1	Item identification	<pre><cac:BuyersItemIdentification> <cbc:ID>X685P801197</cbc:ID> </cac:BuyersItemIdentification></pre> <p><i>Similarly the supplier can use cac:SellersItemIdentification or cac:StandardItemIdentification. Noting the cac:StandardItemIdentification should be used when the identifier is registered, e.g. GTIN or EAN.</i></p>
Option 2	Free text field	<pre><cac:InvoiceLine> <cbc:ID>1</cbc:ID> <cbc:Note>Serial number is X685P801197</cbc:Note></pre>
Option 3	Item Name or Description	<pre><cac:Item> <cbc:Description>Serial number is X685P801197 <cbc:Name>X685P801197</cbc:Name></pre>

Issue 4.6 – Usage details

Option 1

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

26 SERVICE LEVEL SUMMARY

Line Rental / Network Access	100.00
Local Calls	308.98
Mobile Calls	390.02
National Calls	1098.26

```
<!--Service Level Summary of charges for all services, by charge type-->
<!--Line 1 for Line Rental and Network Access-->
<cac:InvoiceLine>
  <cbc:ID>1</cbc:ID>
  <cbc:Note>Service Level Summary</cbc:Note> <!--Optional-->
  <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
  <cbc:LineExtensionAmount currencyID="AUD">100.00</cbc:LineExtensionAmount>
  <cac:Item>
    <cbc:Name>Line Rental/Network Access</cbc:Name>
    <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>
  <cac:Price>
    <cbc:PriceAmount currencyID="AUD">100.00</cbc:PriceAmount>
  </cac:Price>
</cac:InvoiceLine>

<!--Line 2 for Local calls-->
<cac:InvoiceLine>
  <cbc:ID>2</cbc:ID>
  <cbc:Note>Local Calls</cbc:Note> <!--Optional-->
  <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
  <cbc:LineExtensionAmount currencyID="AUD">308.98</cbc:LineExtensionAmount>
  <cac:Item>
    <cbc:Name>Local calls</cbc:Name>
    <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>
  <cac:Price>
    <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.

SERVICE DETAILS 27 11/00/2004

Multi Line Number: 0XXXXXXX	Total Cost	\$2.00				
Line Rental / Network Access						
From	Details	Quantity	Rate	Amount		
25 Jan	24 Feb	Number Diversion	1	2.00	2.00	
\$2.00						
Multi Line Number: 0XXXXXXX	Total Cost	\$1831.29				
Line Rental / Network Access						
From	Details	Quantity	Rate	Amount		
25 Jan	24 Feb	EXTENSION NUMBERS	100	0.33	33.00	
25 Jan	24 Feb	SERVICE CHARGE	1	25.00	25.00	
\$58.00						
Local Calls						
Date	Description	Quantity	Rate	Amount		
25 Jan	1696 calls			115.45		
Total for Local Calls				\$115.45		
National Calls						
Date	Time	Description	Tel No	Min:sec	Rate	Amount
05 Jan	08:15am	Brisbane	XXXXXXXXXX	0:00:25	Peak	0.03
05 Jan	08:17am	Brisbane	XXXXXXXXXX	0:02:20	Peak	0.16
05 Jan	08:49am	Caboofure	XXXXXXXXXX	0:01:10	Peak	0.08
XX XXX	XX XXXX	XXXXXXXXXX	XXXXXXXXXX	X:XX:XX	XXXX	XX.XX
XX XXX	XX XXXX	XXXXXXXXXX	XXXXXXXXXX	X:XX:XX	XXXX	XX.XX
XX XXX	XX XXXX	XXXXXXXXXX	XXXXXXXXXX	X:XX:XX	XXXX	XX.XX
2345 Calls						\$1,657.84

```
<!--Line 1 for number 0xxxxxxx-->
<cac:InvoiceLine>
  <cbc:ID>1</cbc:ID>
  <cbc:Note>Multi line number 04xxxxxxx</cbc:Note>
  <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
  <cbc:LineExtensionAmount currencyID="AUD">2.00</cbc:LineExtensionAmount>
  <cac:Item>
    <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 0xxxxxxx-->
<cac:InvoiceLine>
  <cbc:ID>2</cbc:ID>
  <cbc:Note> Multi line number 04xxxxxxx </cbc:Note>
  <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
  <cbc:LineExtensionAmount currencyID="AUD">58.00</cbc:LineExtensionAmount>
  <cac:Item>
    <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 0xxxxxxx-->
<cac:InvoiceLine>
  <cbc:ID>3</cbc:ID>
  <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</cbc:Name>
    <!--codes omitted for clarity-->
  </cac:Item>
  <cac:Price>
    <cbc:PriceAmount currencyID="AUD">115.45</cbc:PriceAmount>
  </cac:Price>
</cac:InvoiceLine>

<!--Line 4 National calls for number 0xxxxxxx-->
<cac:InvoiceLine>
  <cbc:ID>3</cbc:ID>
  <cbc:Note> Multi line number 04xxxxxxx </cbc:Note>
  <cbc:InvoicedQuantity unitCode="EA">1</cbc:InvoicedQuantity>
  <cbc:LineExtensionAmount currencyID="AUD">1657.84</cbc:LineExtensionAmount>
  <cac:Item>
    <cbc:Name>Local calls</cbc:Name>
    <!--codes omitted for clarity-->
  </cac:Item>
  <cac:Price>
    <cbc:PriceAmount currencyID="AUD">1657.84</cbc:PriceAmount>
  </cac:Price>
</cac:InvoiceLine>
```

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:

- 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).
- 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 an amendment 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)

```
<!--Line 1>
<cac:InvoiceLine>
  <cbc:ID>1</cbc:ID>
  <cbc:InvoicedQuantity unitCode="II">-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:Item>
```

Line 2 (includes standard GST)

```
<!--Line 2>
<cac:InvoiceLine>
  <cbc:ID>2</cbc:ID>
  <cbc:InvoicedQuantity unitCode="II">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>
```

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Backlog / Future Topics for discussion

- Unit of measure (UOM)
 - What is the default value if the sending solution (C1) does not support UOM?
 - Scenarios where the UOM is different between a PO and invoice.
e.g. PO orders one carton of 12 items (UOM="DZN"), and the invoice shows 12 items (UOM="EA")
- Calculation and rounding
- How to flag attachments, e.g. distinguishing between additional/supporting information (such as timesheets), and rendered PDF invoices.
- Party identifiers in a Peppol invoice

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