

Validated Notes for PIP[®] 3C7

Validated 11.04.00

	Specification Information
Name	Notify Of Self Billing Invoice
Cluster	Order Management
Segment	Returns and Finance
Publication Date	8 November 2012
Version Identifier	V11.04

Table of Contents

1 Document Management	3
1.1 Legal Disclaimer	3
1.2 Copyright	3
1.3 Trademarks	3
1.4 Related Documents	3
1.5 Purpose	3
1.6 Scope	3
1.7 Document Version History	4
2 Changes to "Description of Partner Interface Process" Document	5
3 Changes to Interchange Objects.....	6
4 Changes to Domain Objects.....	10
5 Changes to Universal Structure	16
6 Changes to System Structure	22

1 Document Management

1.1 Legal Disclaimer

RosettaNet™, its members, officers, directors, employees, or agents shall not be liable for any injury, loss, damages, financial or otherwise, arising from, related to, or caused by the use of this document or the specifications herein, as well as associated guidelines and schemas. The use of said specifications shall constitute your express consent to the foregoing exculpation.

1.2 Copyright

©2012 RosettaNet. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher. Printed in the United States of America.

1.3 Trademarks

RosettaNet, Partner Interface Process, PIP and the RosettaNet logo are trademarks or registered trademarks of "RosettaNet," a non-profit organization. All other product names and company logos mentioned herein are the trademarks of their respective owners. In the best effort, all terms mentioned in this document that are known to be trademarks or registered trademarks have been appropriately recognized in the first occurrence of the term.

1.4 Related Documents

- Associated PIP Message Schemas (included within the PIP Specification package only)
- Description of PIP 3C7 Message
- Message Structure
- XML instance of ebBPSS for PIP 3C7

1.5 Purpose

This document describes the issues and resolutions pertaining to PIP 3C7 V11.00.00, 3C7 V11.01.00, V11.02.00, V11.03.00 and the changes that were made to develop PIP 3C7 V11.04.00.

1.6 Scope

This document contains information describing changes to PIP 3C7 including changes to the Description of Partner Interface Process, Description of Message. It does not contain other changes or information regarding other PIPs.

1.7 Document Version History

Version	Date	Description
Validated 11.00.00	16 July 2006	Validated Version
Validated 11.01.00	21 September 2007	Updated validated version.
Validated 11.02.00	25 September 2009	Updated validated version.
Validated 11.03.00	30 May 2012	Updated validated version.
Validated 11.04.00	8 November 2012	Updated validated version.

2 Changes to "Description of Partner Interface Process" Document

Table 3.1: "Description of Partner Interface Process" Document Changes

#	Description of Changes						
1.	<p>SECTION 3.2.1: Message Exchange Controls</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Removed Is Authorization Required? = Y and Is Authorization Required? = N.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>Standardize with RosettaNet ebXML BPSS Design guideline.</p> <p>Previous PIP Package Version: V11.00.00</p>						
Table 10: Message Exchange Control							
#	Name	Time to Acknowledge Receipt Signal	Time to Respond to Action	Included in Time to Perform	Is Authorization Required?	Is Non-Repudiation Required?	Is Secure Transport Required?
1.	Self Billing Invoice Notification Action	2 hrs	N/A	N/A	N	Y	Y
1.1.	Receipt Acknowledgment	N/A	N/A	N/A	N	Y	Y
New PIP Package Version: V11.01.00							
Table 10: Message Exchange Control							
#	Name	Time to Acknowledge Receipt Signal	Time to Respond to Action	Included in Time to Perform	Is Authorization Required?	Is Non-Repudiation Required?	Is Secure Transport Required?
1.	Self Billing Invoice Notification Action	2 hrs	N/A	N/A	Y	Y	Y
1.1.	Receipt Acknowledgment	N/A	N/A	N/A	Y	Y	Y

3 Changes to Interchange Objects

Table 4.1: Interchange Class Changes

#	Description of Changes
1	<p>CLASS: Interchange::SelfBillingInvoiceNotification::Invoice</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Removed association from PurchasedBy to SpecifiedPartnerDescription (Cardinality: 0..n). (2) Removed association from RemitTo to SpecifiedPartnerDescription (Cardinality: 1). (3) Removed association from SelfBillingFrom to SpecifiedPartnerDescription (Cardinality: 1). (4) Removed association from SelfBillingTo to SpecifiedPartnerDescription (Cardinality: 1). (5) Removed association from ShipFrom to SpecifiedPartnerDescription (Cardinality: 0..1) (6) Removed association from ShipTo to SpecifiedPartnerDescription (Cardinality: 0..1) (7) Removed association from SoldBy to SpecifiedPartnerDescription (Cardinality: 0..1) (8) Added association to PartnerDescription (Cardinality: 0..n) (9) Added association to Procurement::CodeList::PaymentTerms (Role: paymentTerms, Cardinality: 0..1) <p>BUSINESS REQUIREMENT(s):</p> <p>Maintenance Program/GS1 Australia request for a structure to cater the collection of business properties that describe other tax information. Describe different kind of taxes, such as goods and services tax, special release tax.</p>

Table 4.1: Interchange Class Changes

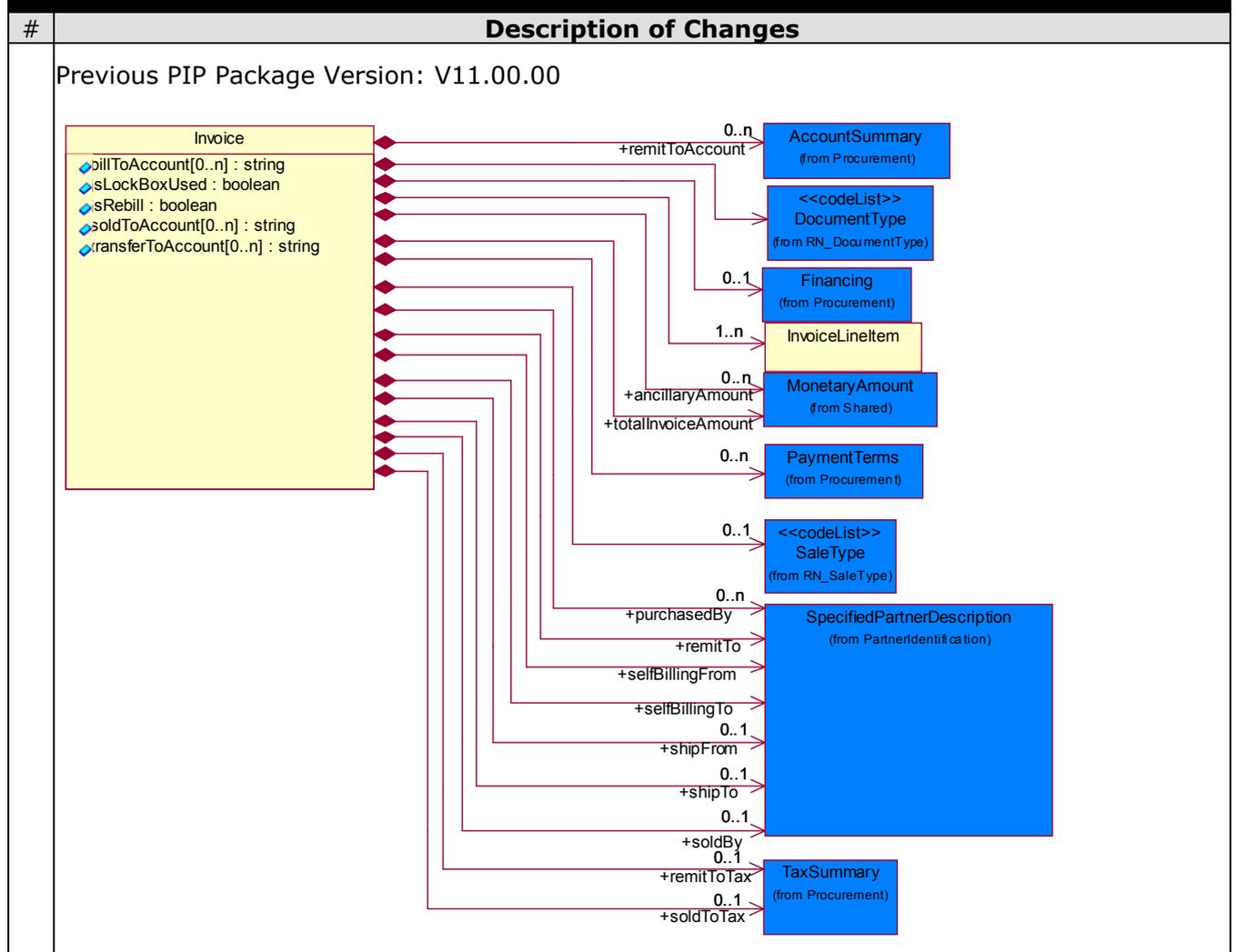


Table 4.1: Interchange Class Changes

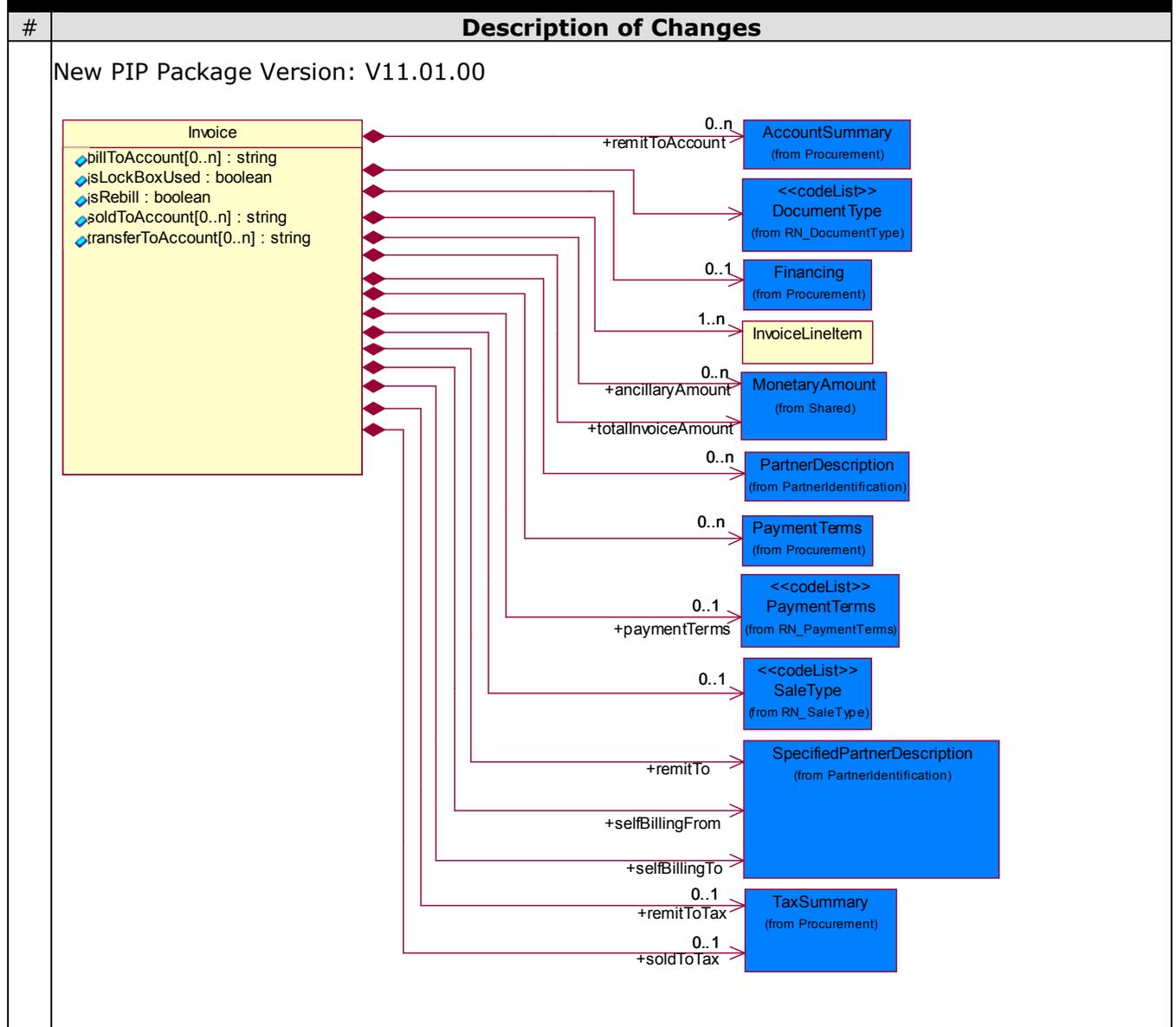


Table 4.1: Interchange Class Changes

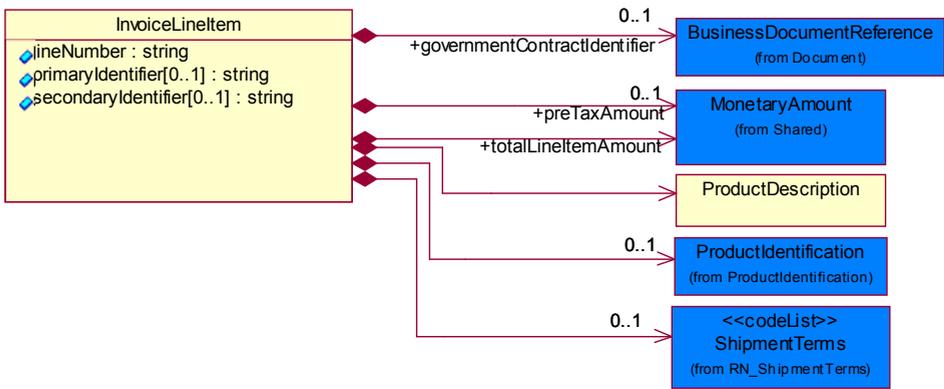
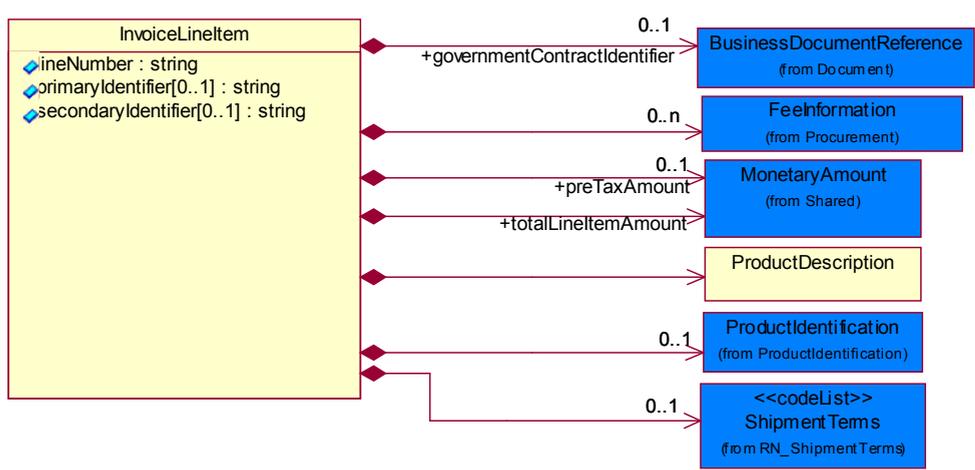
#	Description of Changes
	<p>CLASS: InvoiceLineItem</p> <p>ACTION: Modify</p> <p>CHANGE(s): Added FeeInformation to InvoiceLineItem</p> <p>BUSINESS REQUIREMENT(s): At a line item level WEEE fee amounts and duty detail is required to meet invoicing requirements. Detail note information must be provided to eliminate invoice reject of WEEE fee. The following fields are required:</p> <ul style="list-style-type: none"> • Fee Type - code list recommended • Duty Note - specific instructions relating to the duty. • Name - region specific naming requirements for fee. • Extended Price. - extended fee based on line item amount. • Unit Price - the financial amount of the fee for each line item unit. <p>Previous PIP Package Version: V11.01.00</p>  <pre> classDiagram class InvoiceLineItem { lineNumber : string primaryIdentifier[0..1] : string secondaryIdentifier[0..1] : string } class BusinessDocumentReference { <<codeList>> ShipmentTerms } class MonetaryAmount { <<codeList>> ShipmentTerms } class ProductDescription class ProductIdentification { <<codeList>> ShipmentTerms } InvoiceLineItem "1" *-- "0..1" BusinessDocumentReference : +governmentContractIdentifier InvoiceLineItem "1" *-- "0..1" MonetaryAmount : +preTaxAmount InvoiceLineItem "1" *-- "0..1" ProductDescription : +totalLineItemAmount InvoiceLineItem "1" *-- "0..1" ProductIdentification : (from ProductIdentification) InvoiceLineItem "1" *-- "0..1" ShipmentTerms : (from RN_ShipmentTerms) </pre> <p>New PIP Package Version: V11.02.00</p>  <pre> classDiagram class InvoiceLineItem { lineNumber : string primaryIdentifier[0..1] : string secondaryIdentifier[0..1] : string } class BusinessDocumentReference { <<codeList>> ShipmentTerms } class FeeInformation { <<codeList>> ShipmentTerms } class MonetaryAmount { <<codeList>> ShipmentTerms } class ProductDescription class ProductIdentification { <<codeList>> ShipmentTerms } InvoiceLineItem "1" *-- "0..1" BusinessDocumentReference : +governmentContractIdentifier InvoiceLineItem "1" *-- "0..n" FeeInformation : (from Procurement) InvoiceLineItem "1" *-- "0..1" MonetaryAmount : +preTaxAmount InvoiceLineItem "1" *-- "0..1" ProductDescription : +totalLineItemAmount InvoiceLineItem "1" *-- "0..1" ProductIdentification : (from ProductIdentification) InvoiceLineItem "1" *-- "0..1" ShipmentTerms : (from RN_ShipmentTerms) </pre>

Table 4.1: Interchange Class Changes

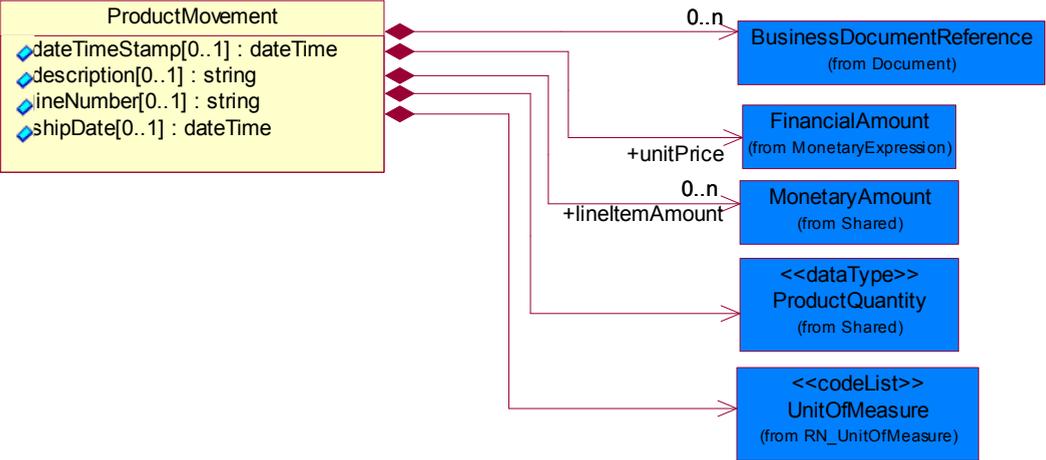
#	Description of Changes
	<p>CLASS: ProductMovement</p> <p>ACTION: Modify</p> <p>CHANGE(s): changed ShipDate from Date to DateTime</p> <p>New PIP Package Version: V11.04.00</p>  <pre> classDiagram class ProductMovement { dateTimeStamp[0..1] : dateTime description[0..1] : string lineNumber[0..1] : string shipDate[0..1] : dateTime } class BusinessDocumentReference { <<from Document>> } class FinancialAmount { <<from MonetaryExpression>> } class MonetaryAmount { <<from Shared>> } class ProductQuantity { <<dataType>> <<from Shared>> } class UnitOfMeasure { <<codeList>> <<from RN_UnitOfMeasure>> } ProductMovement "0..n" --> BusinessDocumentReference ProductMovement --> FinancialAmount : +unitPrice ProductMovement "0..n" --> MonetaryAmount : +lineItemAmount ProductMovement --> ProductQuantity ProductMovement --> UnitOfMeasure </pre>
V11.01.00	Updated domain structures to current versions.

Table 4.2: Interchange Code List Changes

#	Description of Changes
	- NIL -

4 Changes to Domain Objects

Table 5.1: Domain Class Changes

#	Description of Changes
1	<p>CLASS: Procurement::OtherTaxes</p> <p>ACTION: Add</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new Procurement::OtherTaxes class. (2) Added new attributes into Procurement::OtherTaxes class. <ul style="list-style-type: none"> - taxDescription (Type: String, Cardinality: 1) <p>BUSINESS REQUIREMENT(s):</p> <p>Maintenance Program/GS1 Australia request for a structure to cater the collection of business properties that describe other tax information. Describe different kind of taxes, such as goods and services tax, special release tax.</p> <p>Previous Version: V11.00.00</p> <p>-nil-</p> <p>New Version: V11.01.00</p> <div style="text-align: center; margin-top: 20px;"> <pre> classDiagram class TaxInformation class OtherTaxes { taxDescription : string } TaxInformation < -- OtherTaxes </pre> </div>

Table 5.1: Domain Class Changes

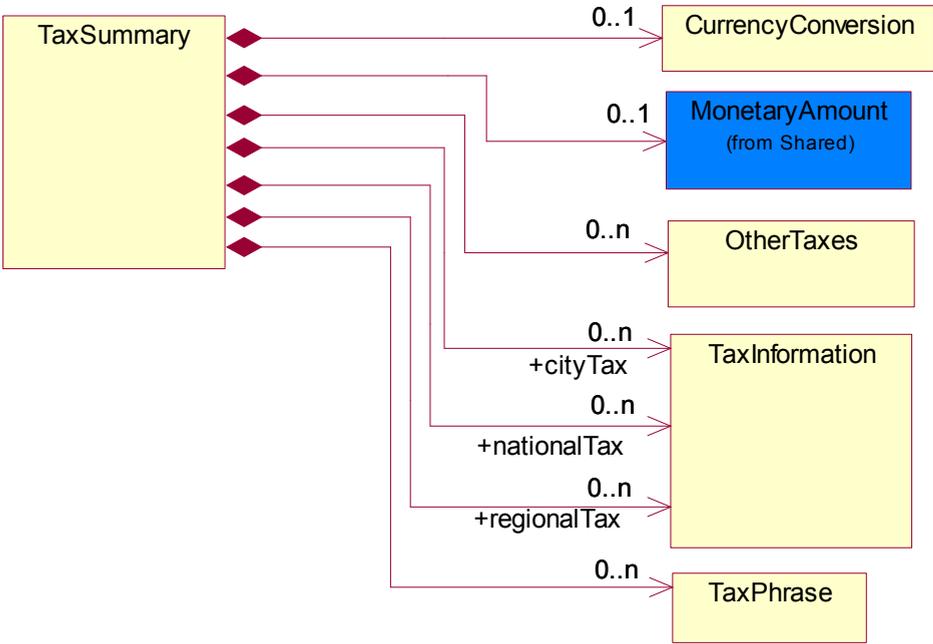
#	Description of Changes
2	<p>CLASS: Procurement::TaxSummary</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added association to Procurement::OtherTaxes class.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>Maintenance Program/GS1 Australia request for a structure to cater the collection of business properties that describe tax summary which includes all kinds of taxes.</p> <p>Previous Version: V11.00.00</p> <p>-nil-</p> <p>New Version: V11.01.00</p>  <pre> classDiagram class TaxSummary class CurrencyConversion class MonetaryAmount["MonetaryAmount (from Shared)"] class OtherTaxes class TaxInformation class TaxPhrase TaxSummary "0..1" *-- CurrencyConversion TaxSummary "0..1" *-- MonetaryAmount TaxSummary "0..n" *-- OtherTaxes TaxSummary "0..n" *-- TaxInformation TaxSummary "0..n" *-- TaxPhrase TaxSummary --> TaxInformation : +cityTax TaxSummary --> TaxInformation : +nationalTax TaxSummary --> TaxInformation : +regionalTax </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
3	<p>CLASS: Procurement::LotIdentification</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added association with Universal::CodeList::Country (Role: countryOfOrigin, Cardinality: 0..n)</p> <p>BUSINESS REQUIREMENT(s):</p> <p>Previous Version: V11.00.00</p> <div data-bbox="206 699 555 880" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">LotIdentification</p> <ul style="list-style-type: none"> ◆ primary : string ◆ secondary[0..1] : string ◆ lotType[0..1] : string </div> <p>New Version: V11.01.00</p> <div data-bbox="191 1009 943 1183" style="display: flex; align-items: center; margin: 10px 0;"> <div style="border: 1px solid black; padding: 5px; margin-right: 20px;"> <p style="text-align: center;">LotIdentification</p> <ul style="list-style-type: none"> ◆ lotType[0..1] : string ◆ primary : string ◆ secondary[0..1] : string </div> <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">◆</div> <div style="border-bottom: 1px solid black; width: 100px;"></div> <div style="margin-right: 5px;">+</div> <div style="margin-right: 5px;">countryOfOrigin</div> <div style="margin-right: 10px;">→</div> <div style="text-align: center;"> <p>0..n</p> <div style="border: 1px solid black; padding: 2px; background-color: #e0e0ff;"> <p><<codeList>> Country (from ISO_Country)</p> </div> </div> </div> </div>

Table 5.1: Domain Class Changes

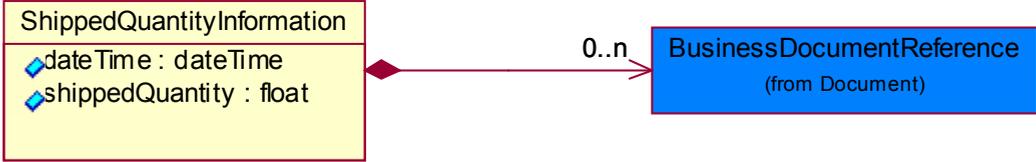
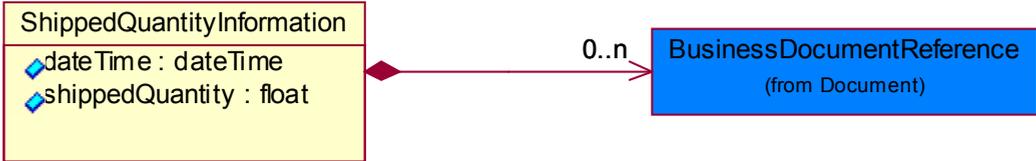
#	Description of Changes
4	<p>CLASS: Procurement::ShippedQuantityInformation</p> <p>ACTION: Modify</p> <p>CHANGE(s): (2) Added a full stop to the documentation.</p> <p>BUSINESS REQUIREMENT(s): To standardize the structure and attribute documentation with a "full stop" and without extra white spaces.</p> <p>Previous Version: V11.00.00</p>  <pre> classDiagram class ShippedQuantityInformation { dateTime : dateTime shippedQuantity : float } class BusinessDocumentReference { (from Document) } ShippedQuantityInformation "0..n" *-- BusinessDocumentReference </pre> <p>New Version: V11.01.00</p>  <pre> classDiagram class ShippedQuantityInformation { dateTime : dateTime shippedQuantity : float } class BusinessDocumentReference { (from Document) } ShippedQuantityInformation "0..n" *-- BusinessDocumentReference </pre>

Table 5.1: Domain Class Changes

#	Description of Changes																								
5	<p>CLASS: FeeInformation</p> <p>ACTION: Add</p> <p>CHANGE(s): Added FeeInformation</p> <p>BUSINESS REQUIREMENT(s):</p> <p>WEEE fee amounts and duty detail is required to meet invoicing requirements. Detail note information must be provided to eliminate invoice reject of WEEE fee. The following fields are required:</p> <ul style="list-style-type: none"> • Fee Type - code list recommended • Duty Note - specific instructions relating to the duty. • Name - region specific naming requirements for fee. • Extended Price. - extended fee based on line item amount. • Unit Price - the financial amount of the fee for each line item unit. <p>Previous PIP Package Version: V11.01.00</p> <p>New PIP Package Version: V11.02.00</p> <p>The collection of business properties that describe fee information.</p> <pre> classDiagram class FeeInformation { dutyNote[0..1] : string feeType[0..1] : string name[0..1] : string } class FinancialAmount { <small>(from MonetaryExpression)</small> } FeeInformation "0..1" -- "0..1" FinancialAmount : +extendedPrice FeeInformation "0..1" -- "0..1" FinancialAmount : +unitPrice </pre> <p>Figure 4-1 FeeInformation</p> <table border="1"> <thead> <tr> <th>Attribute</th> <th>Type</th> <th>Documentation</th> </tr> </thead> <tbody> <tr> <td>dutyNote[0..1]</td> <td>string</td> <td>Text that contains information on the duty supported.</td> </tr> <tr> <td>feeType[0..1]</td> <td>string</td> <td>The type of additional fee added to the line item.</td> </tr> <tr> <td>name[0..1]</td> <td>string</td> <td>The name of the fee.</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Composition</th> <th>Cardinality</th> <th>Type</th> <th>Documentation</th> </tr> </thead> <tbody> <tr> <td>extendedPrice</td> <td>0..1</td> <td>FinancialAmount</td> <td>Total price for a product quantity.</td> </tr> <tr> <td>unitPrice</td> <td>0..1</td> <td>FinancialAmount</td> <td>Agreed upon sale price for each unit ordered.</td> </tr> </tbody> </table>	Attribute	Type	Documentation	dutyNote[0..1]	string	Text that contains information on the duty supported.	feeType[0..1]	string	The type of additional fee added to the line item.	name[0..1]	string	The name of the fee.	Composition	Cardinality	Type	Documentation	extendedPrice	0..1	FinancialAmount	Total price for a product quantity.	unitPrice	0..1	FinancialAmount	Agreed upon sale price for each unit ordered.
Attribute	Type	Documentation																							
dutyNote[0..1]	string	Text that contains information on the duty supported.																							
feeType[0..1]	string	The type of additional fee added to the line item.																							
name[0..1]	string	The name of the fee.																							
Composition	Cardinality	Type	Documentation																						
extendedPrice	0..1	FinancialAmount	Total price for a product quantity.																						
unitPrice	0..1	FinancialAmount	Agreed upon sale price for each unit ordered.																						

Table 5.2: Domain Code List Changes

#	Description of Changes
	- NIL -

5 Changes to Universal Structure

Table 6.1: Universal Class Changes

#	Description of Changes
---	------------------------

Table 6.1: Universal Class Changes

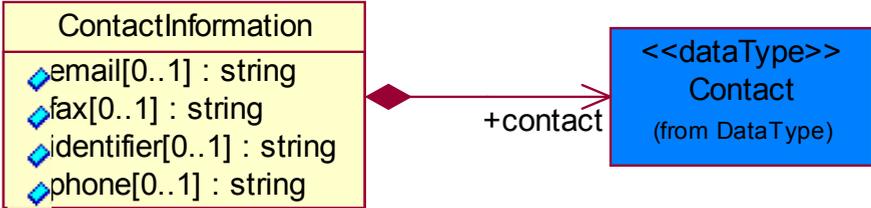
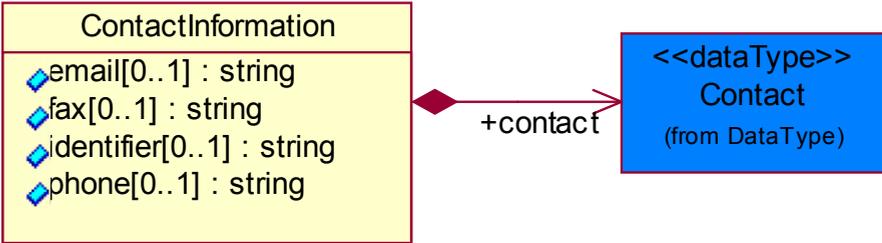
#	Description of Changes
1	<p>CLASS: Universal::ContactInformation::ContactInformation</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Removed a white space from the documentation of email attribute.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the structure and attribute documentation with a "full stop" and without extra white spaces.</p> <p>Previous PIP Package Version: V11.00.00</p>  <pre> classDiagram class ContactInformation { email[0..1] : string fax[0..1] : string identifier[0..1] : string phone[0..1] : string } class Contact["<<dataType>> Contact (from DataType)"] ContactInformation "1" *-- "1" Contact : +contact </pre> <p>New PIP Package Version: V11.01.00</p>  <pre> classDiagram class ContactInformation { email[0..1] : string fax[0..1] : string identifier[0..1] : string phone[0..1] : string } class Contact["<<dataType>> Contact (from DataType)"] ContactInformation "1" *-- "1" Contact : +contact </pre>

Table 6.1: Universal Class Changes

#	Description of Changes
2	<p>CLASS: Universal::Locations::AlternativeIdentifier</p> <p>ACTION: Modify</p> <p>CHANGE(s): (1) Added a full stop to documentation of identifier attribute.</p> <p>BUSINESS REQUIREMENT(s): To standardize the structure and attribute documentation with a "full stop" and without extra white spaces.</p> <p>Previous PIP Package Version: V11.00.00</p> <div data-bbox="211 786 514 921" style="border: 1px solid red; padding: 5px; margin: 10px 0;"> <p>AlternativeIdentifier</p> <p>◆ authority : string</p> <p>◆ identifier : string</p> </div> <p>New PIP Package Version: V11.01.00</p> <div data-bbox="211 1058 514 1193" style="border: 1px solid red; padding: 5px; margin: 10px 0;"> <p>AlternativeIdentifier</p> <p>◆ authority : string</p> <p>◆ identifier : string</p> </div>

Table 6.2: Universal Code List Changes

#	Description of Changes
1	<p>CODE LIST: Universal::CodeList::RN_DocumentType::DocumentType</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Add new code list entity instances: <ul style="list-style-type: none"> - ARA: Authorization Request Approval. - COS: Consumption Notice. - DOR: Delivery Order. - DDR: Design Registration Request. - ECO: Engineering Change Order - The proprietary unique identification number that represents an engineering change order. - EIR: Engineering Information Request. - EOL: End of Life. - PCN: Product/Process Change. <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the usage of the latest code list.</p> <p>Previous PIP Package Version: V11.00.00</p> <p>New PIP Package Version: V11.01.00</p>

Table 6.2: Universal Code List Changes

#	Description of Changes
2	<p>CODE LIST: Universal::CodeList::RN_ProcessRoleIdentifier::ProcessRoleIdentifier</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Add new code list entity instances:</p> <ul style="list-style-type: none"> • CLF: Collect From - To enable the buyer to specify the location of where products not supplied directly by the seller/installer may be collected. • CSP: Contract Service Provider. • CWN: contractOwner - The party who is the owner of the contract. For example, in the direct business, the buyer is the contract owner. In the distribution business, the buyer is the distributor and the contract owner is the reseller. • DCE: DesignCustomerApplicationEngineer. The demand customer's Field Application Engineer. • DCU: DesignCustomer. The owner of the product for which the design has been created. • FCP: Forecast Partner - The collection of business properties that describes the partner types for a forecast. • FIA: From Install At - The collection of sender business properties that describes a business partners' identity, their contact information, where they are physically located and their function in a supply chain. • IMB: Imported By - The party responsible for importing the product. • ITL: installAt - The partner and/or location to which the product must be set up for use or service. • PAE: ProductProviderFieldApplicationEngineer. The product provider Field Application Engineer. • PSR: ProductProviderSalesRepresentative. The product provider sales representative. • RFR: receivedFrom - The partner and/or location from where the product was shipped. • RMT: remitTo - The partner to which payment for a business document is sent. • RPB: Repaired By - The collection of business properties used to identify the business partner responsible for the repair or rework of a product. • RQT: Refer Quote To - The partner to whom a quote request is being referred. • RSF: Requested Ship From - The party where the product is requested to be shipped from. • SPS: Service Provider Site - Identification for the location of the ASP site that is ordering the replacement parts and/or performing the repair. • TIA: To Install At - The collection of receiver business properties that describes business partners' identity, their contact information, where they are physically located and their function in a supply chain. • TMT: Transfer Manufacturing To - The movement of the manufacturing process to another site. • TSB: Tested By - The collection of business properties used to identify the specific location and resources used to conduct a defined cycle or steps or measurements required to confirm a result or event.

Table 6.2: Universal Code List Changes

#	Description of Changes
	<p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the usage of the latest code list.</p> <p>Previous PIP Package Version: V11.00.00</p> <p>New PIP Package Version: V11.01.00</p>

6 Changes to System Structure

Table 7.1: System Class Changes

#	Description of Changes
1	- Nil-