

Release Notes for PIP® 3A1

Validated 11.12.00

Specification Information	
Name	Request Quote
Cluster	Order Management
Segment	Quote and Order Entry
Publication Date	30 May 2012
Version Identifier	V11.12

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1 Document Management

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1.4 Related Documents

- Associated PIP Message Schemas (included within the PIP Specification package only)
- Description of PIP 3A1 Message
- Message Structure
- XML instance of ebBPSS for PIP 3A1

1.5 Purpose

This document describes the issues and resolutions pertaining to PIP 3A1 V11.10.00, V11.11.00 and the changes that were made to develop PIP 3A1 V11.12.00.

1.6 Scope

This document contains information describing changes to PIP 3A1 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

<u>Version</u>	<u>Date</u>	<u>Description</u>
Validated 11.10.00	24 May 2006	Update PIP version from V11.00.00 to V11.10.00
Validated 11.11.00	02 November 2007	Update PIP version from V11.10.00 to V11.11.00
Validated 11.11.00	02 November 2007	Update PIP version from V11.11.00 to V11.12.00

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 2.5: PIP Start State</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Removed Approved = true in Table 2 for Sending Partner and Receiving Partner.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To align with RosettaNet ebXML BPSS Design Guideline.</p> <p>Previous PIP Package Version: V11.10.00</p> <table><tr><th colspan="8">Table 2: PIP Start State</th></tr><tr><th rowspan="2"></th><th rowspan="2">Approved</th><th colspan="2">Exist</th><th rowspan="2">Valid</th><th rowspan="2">Non-Repudiated</th><th rowspan="2">Retry Count</th><th rowspan="2">Authorized</th></tr><tr><th>Party</th><th>In Backend system</th></tr><tr><td>TPA</td><td>✓</td><td></td><td>✓</td><td></td><td></td><td></td><td></td></tr><tr><td>Sending Partner</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td>✓</td></tr><tr><td>Receiving Partner</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Business Document</td><td></td><td></td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr></table> <p>Previous PIP Package Version: V11.11.00</p> <table><tr><th colspan="8">Table 2: PIP Start State</th></tr><tr><th rowspan="2"></th><th rowspan="2">Approved</th><th colspan="2">Exist</th><th rowspan="2">Valid</th><th rowspan="2">Non-Repudiated</th><th rowspan="2">Retry Count</th><th rowspan="2">Authorized</th></tr><tr><th>Party</th><th>In Backend system</th></tr><tr><td>TPA</td><td>✓</td><td></td><td>✓</td><td></td><td></td><td></td><td></td></tr><tr><td>Sending Partner</td><td></td><td>✓</td><td></td><td>✓</td><td></td><td></td><td></td></tr><tr><td>Receiving Partner</td><td></td><td>✓</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Business Document</td><td></td><td></td><td>✓</td><td>✓</td><td>✓</td><td></td><td>✓</td></tr></table>	Table 2: PIP Start State									Approved	Exist		Valid	Non-Repudiated	Retry Count	Authorized	Party	In Backend system	TPA	✓		✓					Sending Partner	✓	✓					✓	Receiving Partner	✓	✓						Business Document			✓	✓	✓			Table 2: PIP Start State									Approved	Exist		Valid	Non-Repudiated	Retry Count	Authorized	Party	In Backend system	TPA	✓		✓					Sending Partner		✓		✓				Receiving Partner		✓						Business Document			✓	✓	✓		✓
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2	<p>SECTION 2.6: PIP End State</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Removed Business Document from Table 3.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To align with RosettaNet ebXML BPSS Design Guideline.</p> <p>Previous PIP Package Version: V11.10.00</p> <table><tr><th colspan="8">Table 3: PIP End State</th></tr><tr><th rowspan="2"></th><th rowspan="2">Approved</th><th colspan="2">Exist</th><th rowspan="2">Valid</th><th rowspan="2">Non-Repudiated</th><th rowspan="2">Retry Count</th><th rowspan="2">Authorized</th></tr><tr><th>Party</th><th>In Backend system</th></tr><tr><td>Acknowledgment of Receipt</td><td></td><td></td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr><tr><td>Receiving Partner</td><td></td><td></td><td></td><td></td><td></td><td></td><td>✓</td></tr><tr><td>Business Document</td><td></td><td></td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr></table> <p>Previous PIP Package Version: V11.11.00</p> <table><tr><th colspan="8">Table 3: PIP End State</th></tr><tr><th rowspan="2"></th><th rowspan="2">Approved</th><th colspan="2">Exist</th><th rowspan="2">Valid</th><th rowspan="2">Non-Repudiated</th><th rowspan="2">Retry Count</th><th rowspan="2">Authorized</th></tr><tr><th>Party</th><th>In Backend system</th></tr><tr><td>Acknowledgment of Receipt</td><td></td><td></td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr><tr><td>Receiving Partner</td><td></td><td></td><td></td><td></td><td></td><td></td><td>✓</td></tr></table>	Table 3: PIP End State									Approved	Exist		Valid	Non-Repudiated	Retry Count	Authorized	Party	In Backend system	Acknowledgment of Receipt			✓	✓	✓			Receiving Partner							✓	Business Document			✓	✓	✓			Table 3: PIP End State									Approved	Exist		Valid	Non-Repudiated	Retry Count	Authorized	Party	In Backend system	Acknowledgment of Receipt			✓	✓	✓			Receiving Partner							✓
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3	<p>SECTION 2.8: Business Process Activity Controls</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Changed Activity Name in Table 6 and Table 7 from "Request Quote" and "Confirm Quote" to "Initiate Quote Request" and "Initiate Quote Confirmation".</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To align with RosettaNet ebXML BPSS Design Guideline.</p> <p>Previous PIP Package Version: V11.10.00</p> <p>Table 7 describes the interaction between roles performing business activities in this PIP.</p> <table><tr><th colspan="3">Table 6: Business Activity Descriptions</th></tr><tr><th>Role Name</th><th>Activity Name</th><th>Activity Description</th></tr><tr><td>Buyer</td><td>Request Quote</td><td>The Buyer requests a quote from a Seller.</td></tr><tr><td>Seller</td><td>Confirm Quote</td><td>The Seller confirms a quote from a Buyer.</td></tr></table> <p>Table 8 details the security, audit and process controls relating to activities performed in the PIP.</p> <table><tr><th colspan="8">Table 7: Business Activity Performance Controls</th></tr><tr><th rowspan="2">Role Name</th><th rowspan="2">Activity Name</th><th colspan="2">Acknowledgment of Receipt</th><th rowspan="2">Time to Perform</th><th rowspan="2">Retry Count</th><th rowspan="2">Is Authorization Required?</th><th rowspan="2">Non-Repudiation of Origin and Content?</th></tr><tr><th>Non-Repudiation Required?</th><th>Time to Acknowledge</th></tr><tr><td>Buyer</td><td>Request Quote</td><td>Y</td><td>2 hrs</td><td>24 hrs</td><td>3</td><td>Y</td><td>Y</td></tr><tr><td>Seller</td><td>Confirm Quote</td><td>Y</td><td>2 hrs</td><td>24 hrs</td><td>3</td><td>Y</td><td>Y</td></tr></table>	Table 6: Business Activity Descriptions			Role Name	Activity Name	Activity Description	Buyer	Request Quote	The Buyer requests a quote from a Seller.	Seller	Confirm Quote	The Seller confirms a quote from a Buyer.	Table 7: Business Activity Performance Controls								Role Name	Activity Name	Acknowledgment of Receipt		Time to Perform	Retry Count	Is Authorization Required?	Non-Repudiation of Origin and Content?	Non-Repudiation Required?	Time to Acknowledge	Buyer	Request Quote	Y	2 hrs	24 hrs	3	Y	Y	Seller	Confirm Quote	Y	2 hrs	24 hrs	3	Y	Y
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4	<p>SECTION 3.2: Message Exchange Control</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Changed "Time to Respond to Action" and "Include in Time to Perform" in Table 10.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To align with RosettaNet ebXML BPSS Design Guideline.</p> <p>Previous PIP Package Version: V11.10.00</p> <table><tr><th colspan="8">Table 10: Message Exchange Controls</th></tr><tr><th>#</th><th>Name</th><th>Time to Acknowledge</th><th>Time to Respond to Action</th><th>Included in Time to Perform</th><th>Is Authorization Required?</th><th>Is Non-Repudiation Required?</th><th>Is Secure Transport Required?</th></tr><tr><td>1.</td><td>Quote Request Action</td><td>2 hrs</td><td>N/A</td><td>24 hrs</td><td>Y</td><td>Y</td><td>Y</td></tr><tr><td>1.1.</td><td>Receipt Acknowledgment</td><td>N/A</td><td>N/A</td><td>N/A</td><td>Y</td><td>Y</td><td>Y</td></tr><tr><td>2.</td><td>Quote Confirmation Action</td><td>2 hrs</td><td>N/A</td><td>24 hrs</td><td>Y</td><td>Y</td><td>Y</td></tr><tr><td>2.1.</td><td>Receipt Acknowledgment</td><td>N/A</td><td>N/A</td><td>N/A</td><td>Y</td><td>Y</td><td>Y</td></tr></table>	Table 10: Message Exchange Controls								#	Name	Time to Acknowledge	Time to Respond to Action	Included in Time to Perform	Is Authorization Required?	Is Non-Repudiation Required?	Is Secure Transport Required?	1.	Quote Request Action	2 hrs	N/A	24 hrs	Y	Y	Y	1.1.	Receipt Acknowledgment	N/A	N/A	N/A	Y	Y	Y	2.	Quote Confirmation Action	2 hrs	N/A	24 hrs	Y	Y	Y	2.1.	Receipt Acknowledgment	N/A	N/A	N/A	Y	Y	Y
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1.1.	Receipt Acknowledgment	N/A	N/A	N/A	Y	Y	Y																																										
2.	Quote Confirmation Action	2 hrs	N/A	24 hrs	Y	Y	Y																																										
2.1.	Receipt Acknowledgment	N/A	N/A	N/A	Y	Y	Y																																										

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#	Name	Time to Acknowledge	Time to Respond to Action	Included in Time to Perform	Is Authorization Required?	Is Non-Repudiation Required?	Is Secure Transport Required?
1.	Quote Request Action	2 hrs	24 hrs	Y	Y	Y	Y
1.1.	Receipt Acknowledgment	N/A	N/A	Y	Y	Y	Y
2.	Quote Confirmation Action	2 hrs	N/A	Y	Y	Y	Y
2.1.	Receipt Acknowledgment	N/A	N/A	N	Y	Y	Y

3 Changes to Interchange Objects

Table 4.1: Interchange Class Changes

#	Description of Changes
1	<p>CLASS: Interchange::QuoteRequest::ProductLineItem</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Removed association from Universal::PartnerIdentification::SpecifiedPartnerDescription: <ul style="list-style-type: none"> - (Role Name: requestedShipFrom, Cardinality: 0..1) - (Role Name: shipTo, cardinality: 0..1) (2) Added association from Universal::PartnerIdentification::PartnerDescription with cardinality 0..n. (3) Changed the documentation of Interchange::QuoteRequest::ProductLineItem from "The collection of business properties that describe a product entry in a quote business documents." to "The collection of business properties that describe a product entry in a quote business documents. The Recommended ProcessRoleIdentifier for PartnerDescription are SHT - Ship To and RSF - Requested Ship From." <p>BUSINESS REQUIREMENT(s):</p> <p>These changes are due to Engineering Team practice in structure design for UML Modeling. If the cardinality of the role name of the association to Universal::PartnerIdentification::SpecifiedPartnerDescription is optional, the role name MUST be added as an entity instances in Universal::CodeList::RN_ProcessRoleIdentifier::ProcessRoleIdentifier code list.</p>

Table 4.1: Interchange Class Changes

#	Description of Changes
	<p>Previous PIP Package Version: V11.10.00</p> <pre> classDiagram class ProductLineItem { comments[0..1] : string designRegistrationIdentifier[0..1] : string identifier[0..n] : string isRequiredToResponseAtDetailLevel[0..1] : boolean isSubstituteProductAcceptable : boolean lineNumber : string } class BusinessDocumentReference { (from Document) } class CompetitorReference { } class GovernmentPriorityRating { <<codeList>> (from RN_GovernmentPriorityRating) } class ProductIdentification { (from ProductIdentification) } class ProductPricing { (from Shared) } class QuoteCustomerInformation { } class QuoteQuantity { } class RequoteLineStatus { } class SpecifiedPartnerDescription { (from PartnerIdentification) } class StockIndicator { <<codeList>> (from RN_StockIndicator) } class SpecialDiscount { (from Procurement) } class TaxExemptStatus { (from Procurement) } class UnitOfMeasure { <<codeList>> (from RN_UnitOfMeasure) } ProductLineItem "0..1" -- "0..n" BusinessDocumentReference : +governmentContractIdentifier ProductLineItem "0..n" -- "0..n" CompetitorReference ProductLineItem "0..1" -- "0..1" GovernmentPriorityRating ProductLineItem "0..n" -- "0..n" ProductIdentification ProductLineItem "0..n" -- "0..1" ProductPricing : +requestedUnitPrice ProductLineItem "0..1" -- "0..1" ProductPricing : +listPrice ProductLineItem "0..n" -- "0..n" QuoteCustomerInformation ProductLineItem "0..n" -- "0..1" QuoteQuantity : +requestedQuantity ProductLineItem "0..1" -- "0..1" RequoteLineStatus ProductLineItem "0..1" -- "0..1" SpecifiedPartnerDescription : +requestedShipFrom ProductLineItem "0..1" -- "0..1" SpecifiedPartnerDescription : +shipTo ProductLineItem "0..1" -- "0..1" StockIndicator ProductLineItem "0..n" -- "0..n" SpecialDiscount ProductLineItem "0..1" -- "0..1" TaxExemptStatus ProductLineItem "0..1" -- "0..1" UnitOfMeasure </pre> <p>The diagram illustrates the structure of the ProductLineItem class and its associations with various other classes. The ProductLineItem class (yellow box) contains the following attributes:</p> <ul style="list-style-type: none"> comments[0..1] : string designRegistrationIdentifier[0..1] : string identifier[0..n] : string isRequiredToResponseAtDetailLevel[0..1] : boolean isSubstituteProductAcceptable : boolean lineNumber : string <p>The associations (red lines) are as follows:</p> <ul style="list-style-type: none"> BusinessDocumentReference (blue box, from Document): 0..1 to 0..n, association name +governmentContractIdentifier. CompetitorReference (yellow box): 0..n to 0..n. GovernmentPriorityRating (blue box, <<codeList>>, from RN_GovernmentPriorityRating): 0..1 to 0..1. ProductIdentification (blue box, from ProductIdentification): 0..n to 0..n. ProductPricing (blue box, from Shared): 0..n to 0..1, association name +requestedUnitPrice; 0..1 to 0..1, association name +listPrice. QuoteCustomerInformation (yellow box): 0..n to 0..n. QuoteQuantity (yellow box): 0..n to 0..1, association name +requestedQuantity. RequoteLineStatus (yellow box): 0..1 to 0..1. SpecifiedPartnerDescription (blue box, from PartnerIdentification): 0..1 to 0..1, association name +requestedShipFrom; 0..1 to 0..1, association name +shipTo. StockIndicator (blue box, <<codeList>>, from RN_StockIndicator): 0..1 to 0..1. SpecialDiscount (blue box, from Procurement): 0..n to 0..n. TaxExemptStatus (blue box, from Procurement): 0..1 to 0..1. UnitOfMeasure (blue box, <<codeList>>, from RN_UnitOfMeasure): 0..1 to 0..1.

Table 4.1: Interchange Class Changes

#	Description of Changes
	<p>New PIP Package Version: V11.11.00</p> <pre> classDiagram class ProductLineItem { comments[0..1] : string designRegistrationIdentifier[0..1] : string identifier[0..n] : string isRequiredToResponseAtDetailLevel[0..1] : boolean isSubstituteProductAcceptable : boolean lineNumber : string } class BusinessDocumentReference { (from Document) } class CompetitorReference { } class GovernmentPriorityRating { <<codeList>> (from RN_GovernmentPriorityRating) } class PartnerDescription { (from PartnerIdentification) } class ProductIdentification { (from ProductIdentification) } class ProductPricing { (from Shared) } class QuoteCustomerInformation { } class QuoteQuantity { } class RequoteLineStatus { } class StockIndicator { <<codeList>> (from RN_StockIndicator) } class SpecialDiscount { (from Procurement) } class TaxExemptStatus { (from Procurement) } class UnitOfMeasure { <<codeList>> (from RN_UnitOfMeasure) } ProductLineItem "0..1" --> BusinessDocumentReference : +governmentContractIdentifier ProductLineItem "0..n" --> BusinessDocumentReference ProductLineItem "0..n" --> CompetitorReference ProductLineItem "0..1" --> GovernmentPriorityRating ProductLineItem "0..n" --> PartnerDescription ProductLineItem --> ProductIdentification ProductLineItem "0..1" --> ProductPricing : +listPrice ProductLineItem "0..n" --> ProductPricing : +requestedUnitPrice ProductLineItem --> QuoteCustomerInformation ProductLineItem --> QuoteQuantity : +requestedQuantity ProductLineItem --> RequoteLineStatus ProductLineItem "0..1" --> StockIndicator ProductLineItem "0..n" --> SpecialDiscount ProductLineItem "0..1" --> TaxExemptStatus ProductLineItem --> UnitOfMeasure </pre> <p>The diagram illustrates the ProductLineItem class and its associations with various other classes. The ProductLineItem class is defined with the following attributes:</p> <ul style="list-style-type: none"> <code>comments[0..1] : string</code> <code>designRegistrationIdentifier[0..1] : string</code> <code>identifier[0..n] : string</code> <code>isRequiredToResponseAtDetailLevel[0..1] : boolean</code> <code>isSubstituteProductAcceptable : boolean</code> <code>lineNumber : string</code> <p>The associations are as follows:</p> <ul style="list-style-type: none"> BusinessDocumentReference (from Document): Associated with ProductLineItem via <code>+governmentContractIdentifier</code> (multiplicity 0..1) and an unnamed association (multiplicity 0..n). CompetitorReference: Associated with ProductLineItem (multiplicity 0..n). GovernmentPriorityRating (<<codeList>> from RN_GovernmentPriorityRating): Associated with ProductLineItem (multiplicity 0..1). PartnerDescription (from PartnerIdentification): Associated with ProductLineItem (multiplicity 0..n). ProductIdentification (from ProductIdentification): Associated with ProductLineItem. ProductPricing (from Shared): Associated with ProductLineItem via <code>+listPrice</code> (multiplicity 0..1) and <code>+requestedUnitPrice</code> (multiplicity 0..n). QuoteCustomerInformation: Associated with ProductLineItem. QuoteQuantity: Associated with ProductLineItem via <code>+requestedQuantity</code>. RequoteLineStatus: Associated with ProductLineItem. StockIndicator (<<codeList>> from RN_StockIndicator): Associated with ProductLineItem (multiplicity 0..1). SpecialDiscount (from Procurement): Associated with ProductLineItem (multiplicity 0..n). TaxExemptStatus (from Procurement): Associated with ProductLineItem (multiplicity 0..1). UnitOfMeasure (<<codeList>> from RN_UnitOfMeasure): Associated with ProductLineItem.

Table 4.1: Interchange Class Changes

#	Description of Changes
2	<p>CLASS: Interchange::QuoteRequest::Quote</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Removed association from Universal::PartnerIdentification::SpecifiedPartnerDescription: <ul style="list-style-type: none"> - (Role Name: financedBy, Cardinality: 0..1) - (Role Name: distributedBy, Cardinality: 0..n) - (Role Name: respondTo, Cardinality: 0..n) - (Role Name: contractOwner, Cardinality: 0..1) - (Role Name: billTo, Cardinality: 0..1) (2) Added association from Universal::PartnerIdentification::PartnerDescription with cardinality 0..n. (3) Changed the documentation of Interchange::QuoteRequest::Quote from "The collection of business properties that describe an offer to supply a quantity of products at an agreed price and schedule." to "The collection of business properties that describe an offer to supply a quantity of products at an agreed price and schedule. The Recommended ProcessRoleIdentifier for PartnerDescription are FIN - Financed By, DIS - Distributed By, RES - Respond To, CWN - Contract Owner and BIT - Bill To." <p>BUSINESS REQUIREMENT(s):</p> <p>These changes are due to Engineering Team practice in structure design for UML Modeling. If the cardinality of the role name of the association to Universal::PartnerIdentification::SpecifiedPartnerDescription is optional, the role name MUST be added as an entity instances in Universal::CodeList::RN_ProcessRoleIdentifier::ProcessRoleIdentifier code list.</p>

Table 4.1: Interchange Class Changes

#	Description of Changes
	<p>Previous PIP Package Version: V11.10.00</p> <pre> classDiagram class Quote { comments[0..1] : string isRequiredToResponseAtDetailLevel[0..1] : boolean } class BusinessDocumentReference { (from Document) } class CamerInformation { (from Shared) } class DatePeriod { (from Dates) } class GovernmentPriorityRating { <<codeList>> (from RN_GovernmentPriorityRating) } class MonetaryAmount { (from Shared) } class PriceCondition { (from Procurement) } class ProductPricing { (from Shared) } class QuoteCustomerInformation { } class QuoteLineItem { } class QuoteType { <<codeList>> (from RN_QuoteType) } class SpecifiedPartnerDescription { (from PartnerIdentification) } class SpecialDiscount { (from Procurement) } class TaxExemptStatus { (from Procurement) } Quote "1" -- "0..1" BusinessDocumentReference : +governmentContractIdentifier Quote "1" -- "0..n" BusinessDocumentReference : +quoteReference Quote "1" -- "0..1" CamerInformation Quote "1" -- "0..1" DatePeriod : +requestedResponseDate Quote "1" -- "0..1" GovernmentPriorityRating Quote "1" -- "0..1" MonetaryAmount : +totalPrice Quote "1" -- "0..1" PriceCondition Quote "1" -- "0..1" ProductPricing : +histPrice Quote "1" -- "0..n" QuoteCustomerInformation Quote "1" -- "0..n" QuoteLineItem Quote "1" -- "0..1" QuoteType Quote "1" -- "0..1" SpecifiedPartnerDescription : +financedBy Quote "1" -- "0..n" SpecifiedPartnerDescription : +distributedBy Quote "1" -- "0..n" SpecifiedPartnerDescription : +respondTo Quote "1" -- "0..1" SpecifiedPartnerDescription : +contractOwner Quote "1" -- "0..1" SpecifiedPartnerDescription : +billTo Quote "1" -- "0..n" SpecialDiscount Quote "1" -- "0..1" TaxExemptStatus </pre>

Table 4.1: Interchange Class Changes

#	Description of Changes
	<p>New PIP Package Version: V11.11.00</p> <pre> classDiagram class Quote { comments[0..1] : string isRequiredToResponseAtDetailLevel[0..1] : boolean } class BusinessDocumentReference { (from Document) } class CarrierInformation { (from Shared) } class DatePeriod { (from Dates) } class GovernmentPriorityRating { <<codeList>> (from RN_GovernmentPriorityRating) } class MonetaryAmount { (from Shared) } class PartnerDescription { (from PartnerIdentification) } class PriceCondition { (from Procurement) } class ProductPricing { (from Shared) } class QuoteCustomerInformation class QuoteLineItem class QuoteType { <<codeList>> (from RN_QuoteType) } class SpecialDiscount { (from Procurement) } class TaxExemptStatus { (from Procurement) } Quote "1" -- "1..n" BusinessDocumentReference : +governmentContractIdentifier Quote "1" -- "0..1" CarrierInformation Quote "1" -- "0..1" DatePeriod : +requestedResponseDate Quote "1" -- "0..1" GovernmentPriorityRating Quote "1" -- "0..1" MonetaryAmount : +totalPrice Quote "1" -- "0..n" PartnerDescription Quote "1" -- "0..1" PriceCondition Quote "1" -- "0..1" ProductPricing : +listPrice Quote "1" -- "0..n" QuoteCustomerInformation Quote "1" -- "0..n" QuoteLineItem Quote "1" -- "0..n" QuoteType Quote "1" -- "0..n" SpecialDiscount Quote "1" -- "0..1" TaxExemptStatus </pre>

Table 4.1: Interchange Class Changes

#	Description of Changes
3	<p>CLASS: Interchange::QuoteRequest::ServiceLineItemByOption</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Removed association from Universal::PartnerIdentification::SpecifiedPartnerDescription: <ul style="list-style-type: none"> - (Role Name: installAt, Cardinality: 0..1) (2) Added association from Universal::PartnerIdentification::PartnerDescription with cardinality 0..1. (3) Changed the documentation of Interchange::QuoteRequest::ServiceLineItemByOption from "The collection of business properties that describe a service entry by option (eg. by Contract, by Product or by Site) in a quote business documents." to "The collection of business properties that describe a service entry by option (eg. by Contract, by Product or by Site) in a quote business documents. The Recommended ProcessRoleIdentifier for PartnerDescription is ITL - Install At." <p>BUSINESS REQUIREMENT(s):</p> <p>These changes are due to Engineering Team practice in structure design for UML Modeling. If the cardinality of the role name of the association to Universal::PartnerIdentification::SpecifiedPartnerDescription is optional, the role name MUST be added as an entity instances in Universal::CodeList::RN_ProcessRoleIdentifier::ProcessRoleIdentifier code list.</p>

Table 4.1: Interchange Class Changes

#	Description of Changes
	<p>Previous PIP Package Version: V11.10.00</p> <pre> graph LR SLIO[ServiceLineItemByOption] -- "0..n" --> BDR[BusinessDocumentReference (from Document)] SLIO -- "0..1" --> CI[ContractInformation (from Procurement)] SLIO -- "0..1" --> DPA[DatePeriodAndDuration (from Shared)] SLIO -- "+servicePeriod" --> DPA SLIO -- "+expiringBy" --> DPA SLIO -- "0..1" --> PI[ProductIdentification (from ProductIdentification)] SLIO -- "0..n" --> PP[ProductPricing (from Shared)] SLIO -- "+requestedUnitPrice" --> PP SLIO -- "+listPrice" --> PP SLIO -- "0..1" --> PQ[ProductQuantity (from Shared)] SLIO -- "+requestedServiceQuantity" --> PQ SLIO -- "+requestedProductQuantity" --> PQ SLIO -- "0..1" --> QT[QuoteType (from RN_QuoteType)] SLIO -- "0..1" --> RLS[RequoteLineStatus] SLIO -- "0..n" --> RO[RequestOption (from RN_RequestOption)] SLIO -- "0..1" --> SD[SpecialDiscount (from Procurement)] SLIO -- "0..1" --> SPD[SpecifiedPartnerDescription (from PartnerIdentification)] SLIO -- "+installAt" --> SPD </pre>

Table 4.1: Interchange Class Changes

#	Description of Changes
	<p>New PIP Package Version: V11.11.00</p> <div> <div> <p>ServiceLineItemByOption</p> <ul style="list-style-type: none"> handlingInstruction[0..1] : string isRequiredToResponseAtDetailLevel[0..1] : boolean lineNumber : string productLineNumber[0..1] : string productSerialIdentifier[0..n] : string serviceIdentification[0..n] : string serviceLevel[0..1] : string </div> <div> <p>0..n BusinessDocumentReference (from Document)</p> <p>0..1 ContractInformation (from Procurement)</p> <p>0..1 DatePeriodAndDuration (from Shared)</p> <p>+expiringBy</p> <p>+servicePeriod</p> <p>0..1 PartnerDescription (from PartnerIdentification)</p> <p>0..1 ProductIdentification (from ProductIdentification)</p> <p>0..1 ProductPricing (from Shared)</p> <p>+listPrice</p> <p>0..n +requestedUnitPrice</p> <p>0..1 +requestedProductQuantity</p> <p>0..1 +requestedServiceQuantity</p> <p><<codeList>> QuoteType (from RN_QuoteType)</p> <p>0..1 RequoteLineStatus</p> <p><<codeList>> RequestOption (from RN_RequestOption)</p> <p>0..n SpecialDiscount (from Procurement)</p> </div> </div>

Table 4.1: Interchange Class Changes

#	Description of Changes
4	<p>CLASS: Interchange::QuoteConfirmation::ProductLineItem</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Removed association from Universal::PartnerIdentification::SpecifiedPartnerDescription: <ul style="list-style-type: none"> - (Role Name: requestedShipFrom, Cardinality: 0..1) - (Role Name: shipTo, cardinality: 0..1) - (Role Name: shipFrom, cardinality: 0..1) (2) Added association from Universal::PartnerIdentification::PartnerDescription with cardinality 0..n. (3) Changed the documentation of Interchange::QuoteConfirmation::ProductLineItem from "The collection of business properties that describe a product entry in a quote business document." to "The collection of business properties that describe a product entry in a quote business document. The Recommended ProcessRoleIdentifier for PartnerDescription are RSF - Requested Ship From, SHT - Ship To and SHF - Ship From." <p>BUSINESS REQUIREMENT(s):</p> <p>These changes are due to Engineering Team practice in structure design for UML Modeling. If the cardinality of the role name of the association to Universal::PartnerIdentification::SpecifiedPartnerDescription is optional, the role name MUST be added as an entity instances in Universal::CodeList::RN_ProcessRoleIdentifier::ProcessRoleIdentifier code list.</p>

Table 4.1: Interchange Class Changes

#	Description of Changes
	Previous PIP Package Version: V11.10.00

Table 4.1: Interchange Class Changes

#	Description of Changes
	<p>New PIP Package Version: V11.11.00</p> <pre> graph LR subgraph ProductLineItem direction TB P1[comments0..1 : string] P2[designRegistrationIdentifier0..1 : string] P3[identifier0..n : string] P4[lineNumber : string] P5[responseDescription0..1 : string] end subgraph Classes direction TB C1[BusinessDocumentReference (from Document)] C2[CompetitorReference] C3[Country (from ISO_Country)] C4[GovernmentPriorityRating (from RN_GovernmentPriorityRating)] C5[OrderLeadTime] C6[PartnerDescription (from PartnerIdentification)] C7[ProductIdentification (from ProductIdentification)] C8[ProductPricing (from Shared)] C9[ProductTerms (from RN_ProductTerms)] C10[PurchaseOrderStatus (from RN_PurchaseOrderStatus)] C11[QuoteAcknowledgmentReason (from RN_QuoteAcknowledgmentReason)] C12[QuoteCustomerInformation] C13[QuoteLineItemStatus (from RN_QuoteLineItemStatus)] C14[QuoteQuantity] C15[RequoteLineStatus] C16[SpecialDiscount (from Procurement)] C17[StepPricing (from Procurement)] C18[StockIndicator (from RN_StockIndicator)] C19[SubstituteProductReference (from Procurement)] C20[TaxExemptStatus (from Procurement)] C21[TaxSummary (from Procurement)] C22[UnitOfMeasure (from RN_UnitOfMeasure)] end P1 --> C1 P2 --> C1 P3 --> C2 P3 --> C3 P3 --> C4 P3 --> C5 P3 --> C6 P3 --> C7 P3 --> C8 P3 --> C9 P3 --> C10 P3 --> C11 P3 --> C12 P3 --> C13 P3 --> C14 P3 --> C15 P3 --> C16 P3 --> C17 P3 --> C18 P3 --> C19 P3 --> C20 P3 --> C21 P3 --> C22 P4 --> C1 P4 --> C2 P4 --> C3 P4 --> C4 P4 --> C5 P4 --> C6 P4 --> C7 P4 --> C8 P4 --> C9 P4 --> C10 P4 --> C11 P4 --> C12 P4 --> C13 P4 --> C14 P4 --> C15 P4 --> C16 P4 --> C17 P4 --> C18 P4 --> C19 P4 --> C20 P4 --> C21 P4 --> C22 P5 --> C1 P5 --> C2 P5 --> C3 P5 --> C4 P5 --> C5 P5 --> C6 P5 --> C7 P5 --> C8 P5 --> C9 P5 --> C10 P5 --> C11 P5 --> C12 P5 --> C13 P5 --> C14 P5 --> C15 P5 --> C16 P5 --> C17 P5 --> C18 P5 --> C19 P5 --> C20 P5 --> C21 P5 --> C22 </pre> <p>ProductLineItem</p> <ul style="list-style-type: none"> comments0..1 : string designRegistrationIdentifier0..1 : string identifier0..n : string lineNumber : string responseDescription0..1 : string <p>BusinessDocumentReference (from Document)</p> <p>CompetitorReference</p> <p>Country (from ISO_Country)</p> <p>GovernmentPriorityRating (from RN_GovernmentPriorityRating)</p> <p>OrderLeadTime</p> <p>PartnerDescription (from PartnerIdentification)</p> <p>ProductIdentification (from ProductIdentification)</p> <p>ProductPricing (from Shared)</p> <p>ProductTerms (from RN_ProductTerms)</p> <p>PurchaseOrderStatus (from RN_PurchaseOrderStatus)</p> <p>QuoteAcknowledgmentReason (from RN_QuoteAcknowledgmentReason)</p> <p>QuoteCustomerInformation</p> <p>QuoteLineItemStatus (from RN_QuoteLineItemStatus)</p> <p>QuoteQuantity</p> <p>RequoteLineStatus</p> <p>SpecialDiscount (from Procurement)</p> <p>StepPricing (from Procurement)</p> <p>StockIndicator (from RN_StockIndicator)</p> <p>SubstituteProductReference (from Procurement)</p> <p>TaxExemptStatus (from Procurement)</p> <p>TaxSummary (from Procurement)</p> <p>UnitOfMeasure (from RN_UnitOfMeasure)</p>

Table 4.1: Interchange Class Changes

#	Description of Changes
5	<p>CLASS: Interchange::QuoteConfirmation::Quote</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Removed association from Universal::PartnerIdentification::SpecifiedPartnerDescription: <ul style="list-style-type: none"> - (Role Name: financedBy, Cardinality: 0..1) - (Role Name: distributedBy, Cardinality: 0..n) - (Role Name: referQuoteTo, Cardinality: 0..1) - (Role Name: respondTo, Cardinality: 0..n) - (Role Name: contractOwner, Cardinality: 0..1) - (Role Name: billTo, Cardinality: 0..1) (2) Added association from Universal::PartnerIdentification::PartnerDescription with cardinality 0..n. (3) Changed the documentation of Interchange::QuoteConfirmation::Quote from "The collection of business properties that describe an offer to supply a quantity of products at an agreed price and schedule." to "The collection of business properties that describe an offer to supply a quantity of products at an agreed price and schedule. The Recommended ProcessRoleIdentifier for PartnerDescription are FIN - Financed By, DIS - Distributed By, RQT - Refer Quote To, RES - Respond To, CWN - Contract Owner and BIT - Bill To." <p>BUSINESS REQUIREMENT(s):</p> <p>These changes are due to Engineering Team practice in structure design for UML Modeling. If the cardinality of the role name of the association to Universal::PartnerIdentification::SpecifiedPartnerDescription is optional, the role name MUST be added as an entity instances in Universal::CodeList::RN_ProcessRoleIdentifier::ProcessRoleIdentifier code list.</p>

Table 4.1: Interchange Class Changes

#	Description of Changes
	<p>Previous PIP Package Version: V11.10.00</p> <pre> classDiagram class Quote { comments[0..1] : string isPendingItemsExist : boolean responseDescription[0..1] : string } class BusinessDocumentReference { (from Document) } class CarrierInformation { (from Shared) } class DatePeriod { (from Dates) } class GovernmentPriorityRating { (from RN_GovernmentPriorityRating) } class MonetaryAmount { (from Shared) } class PriceCondition { (from Procurement) } class QuoteCustomerInformation { } class QuoteLineItem { } class QuoteAcknowledgmentReason { (from RN_QuoteAcknowledgmentReason) } class ProductPricing { (from Shared) } class PurchaseOrderStatus { (from RN_PurchaseOrderStatus) } class QuoteType { (from RN_QuoteType) } class SpecialDiscount { (from Procurement) } class SpecifiedPartnerDescription { (from PartnerIdentification) } class TaxExemptStatus { (from Procurement) } class TermsAndConditions { } Quote "1..n" --> "0..1" BusinessDocumentReference Quote "1..n" --> "0..1" CarrierInformation Quote "1..n" --> "0..1" DatePeriod Quote "1..n" --> "0..1" GovernmentPriorityRating Quote "1..n" --> "0..1" MonetaryAmount Quote "1..n" --> "0..1" PriceCondition Quote "1..n" --> "0..n" QuoteCustomerInformation Quote "1..n" --> "0..n" QuoteLineItem Quote "1..n" --> "0..n" QuoteAcknowledgmentReason Quote "1..n" --> "0..1" ProductPricing Quote "1..n" --> "0..1" PurchaseOrderStatus Quote "1..n" --> "0..n" QuoteType Quote "1..n" --> "0..n" SpecialDiscount Quote "1..n" --> "0..1" SpecifiedPartnerDescription Quote "1..n" --> "0..n" TaxExemptStatus Quote "1..n" --> "0..1" TermsAndConditions </pre>

Table 4.1: Interchange Class Changes

#	Description of Changes
	New PIP Package Version: V11.11.00
	<pre> classDiagram class Quote { comments[0..1] : string isPendingItemsExist : boolean responseDescription[0..1] : string } class BusinessDocumentReference { (from Document) } class CarrierInformation { (from Shared) } class DatePeriod { (from Dates) } class GovernmentPriorityRating { <<codeList>> (from RN_GovernmentPriorityRating) } class MonetaryAmount { (from Shared) } class PartnerDescription { (from PartnerIdentification) } class PriceCondition { (from Procurement) } class ProductPricing { (from Shared) } class PurchaseOrderStatus { <<codeList>> (from RH_PurchaseOrderStatus) } class QuoteAcknowledgmentReason { <<codeList>> (from RN_QuoteAcknowledgmentReason) } class QuoteCustomerInformation class QuoteLineItem class QuoteType { <<codeList>> (from RN_QuoteType) } class SpecialDiscount { (from Procurement) } class TaxExemptStatus { (from Procurement) } class TermsAndConditions Quote "1" -- "1..n" BusinessDocumentReference : +governmentContractIdentifier Quote "1" -- "0..1" CarrierInformation : +quoteReference Quote "1" -- "0..1" DatePeriod : +effectiveDate Quote "1" -- "0..1" GovernmentPriorityRating : +requestedResponseDate Quote "1" -- "0..1" MonetaryAmount : +freightCharges Quote "1" -- "0..1" PartnerDescription : +handlingCharges Quote "1" -- "0..1" PriceCondition : +totalPrice Quote "1" -- "0..1" ProductPricing : +listPrice Quote "1" -- "0..n" PurchaseOrderStatus : +quoteStatus Quote "1" -- "0..n" QuoteAcknowledgmentReason Quote "1" -- "0..n" QuoteCustomerInformation Quote "1" -- "0..n" QuoteLineItem Quote "1" -- "0..n" QuoteType Quote "1" -- "0..1" SpecialDiscount Quote "1" -- "0..1" TaxExemptStatus Quote "1" -- "0..1" TermsAndConditions </pre>

Table 4.1: Interchange Class Changes

#	Description of Changes
6	<p>CLASS: Interchange::QuoteConfirmation::ServiceLineItem</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Removed association from Universal::PartnerIdentification::SpecifiedPartnerDescription: <ul style="list-style-type: none"> - (Role Name: installAt, Cardinality: 0..1) (2) Added association from Universal::PartnerIdentification::PartnerDescription with cardinality 0..1. (3) Changed the documentation of Interchange::QuoteConfirmation::ServiceLineItem from "The collection of business properties that describe a service entry in a quote business documents." to "The collection of business properties that describe a service entry in a quote business documents. The Recommended ProcessRoleIdentifier for PartnerDescription is ITL - Install At." <p>BUSINESS REQUIREMENT(s):</p> <p>These changes are due to Engineering Team practice in structure design for UML Modeling. If the cardinality of the role name of the association to Universal::PartnerIdentification::SpecifiedPartnerDescription is optional, the role name MUST be added as an entity instances in Universal::CodeList::RN_ProcessRoleIdentifier::ProcessRoleIdentifier code list.</p>

Table 4.1: Interchange Class Changes

#	Description of Changes
	Previous PIP Package Version: V11.10.00
	<pre> classDiagram class ServiceLineItem { handlingInstruction[0..1] : string lineNumber : string productLineNumber[0..1] : string productSerialIdentifier[0..n] : string responseDescription[0..1] : string serviceIdentification[0..n] : string serviceLevel : string } class BusinessDocumentReference { (from Document) } class ContractInformation { (from Procurement) } class DatePeriodAndDuration { (from Shared) } class ProductIdentification { (from Product Identification) } class ProductPricing { (from Shared) } class ProductQuantity { (from Shared) } class PurchaseOrderStatus { (from RN_PurchaseOrderStatus) } class QuoteType { (from RN_QuoteType) } class QuoteAcknowledgmentReason { (from RN_QuoteAcknowledgmentReason) } class RequoteLineStatus { } class SpecialDiscount { (from Procurement) } class SpecifiedPartnerDescription { (from Partner Identification) } ServiceLineItem --> BusinessDocumentReference : +quoteReference (0..n) ServiceLineItem --> ContractInformation : (0..1) ServiceLineItem --> DatePeriodAndDuration : +servicePeriod (0..1) ServiceLineItem --> ProductIdentification : (0..1) ServiceLineItem --> ProductPricing : +requestedUnitPrice (0..1) ServiceLineItem --> ProductQuantity : +requestedServiceQuantity (0..1) ServiceLineItem --> ProductQuantity : +estimatedAvailableServiceQuantity (0..1) ServiceLineItem --> ProductQuantity : +requestedProductQuantity (0..1) ServiceLineItem --> ProductQuantity : +estimatedAvailableProductQuantity (0..1) ServiceLineItem --> PurchaseOrderStatus : +quoteStatus (0..1) ServiceLineItem --> QuoteType : (0..1) ServiceLineItem --> QuoteAcknowledgmentReason : (0..n) ServiceLineItem --> RequoteLineStatus : (0..1) ServiceLineItem --> SpecialDiscount : (0..n) ServiceLineItem --> SpecifiedPartnerDescription : +installAt (0..1) </pre>

Table 4.1: Interchange Class Changes

#	Description of Changes
	<p>New PIP Package Version: V11.11.00</p> <pre> classDiagram class ServiceLineItem { handlingInstruction[0..1] : string lineNumber : string productLineNumber[0..1] : string productSerialIdentifier[0..n] : string responseDescription[0..1] : string serviceIdentification[0..n] : string serviceLevel : string } class BusinessDocumentReference { (from Document) } class ContractInformation { (from Procurement) } class DatePeriodAndDuration { (from Shared) } class PartnerDescription { (from PartnerIdentification) } class ProductIdentification { (from ProductIdentification) } class ProductPricing { (from Shared) } class ProductQuantity { (from Shared) } class PurchaseOrderStatus { (from RN_PurchaseOrderStatus) } class QuoteAcknowledgmentReason { (from RN_QuoteAcknowledgmentReason) } class QuoteType { (from RN_QuoteType) } class RequoteLineStatus { } class SpecialDiscount { (from Procurement) } ServiceLineItem "0..n" --> BusinessDocumentReference : +quoteReference ServiceLineItem "0..1" --> ContractInformation : +servicePeriod ServiceLineItem "0..1" --> DatePeriodAndDuration : +servicePeriod ServiceLineItem "0..1" --> PartnerDescription : +servicePeriod ServiceLineItem "0..1" --> ProductIdentification : +servicePeriod ServiceLineItem "0..1" --> ProductPricing : +listPrice ServiceLineItem "0..1" --> ProductPricing : +requestedUnitPrice ServiceLineItem "0..1" --> ProductQuantity : +estimatedAvailableProductQuantity ServiceLineItem "0..1" --> ProductQuantity : +estimatedAvailableServiceQuantity ServiceLineItem "0..1" --> ProductQuantity : +requestedProductQuantity ServiceLineItem "0..1" --> ProductQuantity : +requestedServiceQuantity ServiceLineItem "0..n" --> PurchaseOrderStatus : +quoteStatus ServiceLineItem "0..n" --> QuoteAcknowledgmentReason : +quoteStatus ServiceLineItem "0..1" --> QuoteType : +quoteStatus ServiceLineItem "0..1" --> RequoteLineStatus : +quoteStatus ServiceLineItem "0..n" --> SpecialDiscount : +quoteStatus </pre>

Table 4.1: Interchange Class Changes

#	Description of Changes
7	<p>CLASS: Interchange::QuoteConfirmation::ServiceLineItemByOption</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Removed association from Universal::PartnerIdentification::SpecifiedPartnerDescription: <ul style="list-style-type: none"> - (Role Name: installAt, Cardinality: 0..1) (2) Added association from Universal::PartnerIdentification::PartnerDescription with cardinality 0..1. (3) Changed the documentation of Interchange::QuoteConfirmation::ServiceLineItemByOption from "The collection of business properties that describe a service entry by option (eg. by Contract, by Product or by Site) in a quote business documents." to "The collection of business properties that describe a service entry by option (eg. by Contract, by Product or by Site) in a quote business documents. The Recommended ProcessRoleIdentifier for PartnerDescription is ITL - Install At." <p>BUSINESS REQUIREMENT(s):</p> <p>These changes are due to Engineering Team practice in structure design for UML Modeling. If the cardinality of the role name of the association to Universal::PartnerIdentification::SpecifiedPartnerDescription is optional, the role name MUST be added as an entity instances in Universal::CodeList::RN_ProcessRoleIdentifier::ProcessRoleIdentifier code list.</p>

Table 4.1: Interchange Class Changes

Description of Changes

Previous PIP Package Version: V11.10.00

The diagram illustrates the mapping of fields from the **ServiceLineItemByOption** structure to various data types and structures. The **ServiceLineItemByOption** structure is defined as follows:

```

ServiceLineItemByOption
├── handlingInstruction[0..1] : string
├── lineNumber : string
├── productLineNumber[0..1] : string
├── productSerialIdentifier[0..n] : string
├── responseDescription[0..1] : string
├── serviceIdentification[0..n] : string
├── serviceLevel[0..1] : string
└── ...

```

The mappings are as follows:

- handlingInstruction[0..1] : string** maps to **BusinessDocumentReference** (from Document) with cardinality **0..n**.
- lineNumber : string** maps to **ContractInformation** (from Procurement) with cardinality **0..1**.
- productLineNumber[0..1] : string** maps to **DatePeriodAndDuration** (from Shared) with cardinality **0..1**.
- productSerialIdentifier[0..n] : string** maps to **ProductIdentification** (from ProductIdentification) with cardinality **0..1**.
- responseDescription[0..1] : string** maps to **PurchaseOrderStatus** (from RN_PurchaseOrderStatus) with cardinality **0..1**.
- serviceIdentification[0..n] : string** maps to **ProductPricing** (from Shared) with cardinality **0..1**.
- serviceLevel[0..1] : string** maps to **ProductQuantity** (from Shared) with cardinality **0..1**.
- handlingInstruction[0..1] : string** maps to **ProductQuantity** (from Shared) with cardinality **0..1**.
- productSerialIdentifier[0..n] : string** maps to **ProductQuantity** (from Shared) with cardinality **0..1**.
- responseDescription[0..1] : string** maps to **ProductQuantity** (from Shared) with cardinality **0..1**.
- serviceIdentification[0..n] : string** maps to **ProductQuantity** (from Shared) with cardinality **0..1**.
- serviceLevel[0..1] : string** maps to **ProductQuantity** (from Shared) with cardinality **0..1**.
- handlingInstruction[0..1] : string** maps to **QuoteAcknowledgmentReason** (from RN_QuoteAcknowledgmentReason) with cardinality **0..n**.
- productSerialIdentifier[0..n] : string** maps to **QuoteType** (from RN_QuoteType) with cardinality **0..1**.
- responseDescription[0..1] : string** maps to **QuoteType** (from RN_QuoteType) with cardinality **0..1**.
- serviceIdentification[0..n] : string** maps to **QuoteType** (from RN_QuoteType) with cardinality **0..1**.
- serviceLevel[0..1] : string** maps to **QuoteType** (from RN_QuoteType) with cardinality **0..1**.
- handlingInstruction[0..1] : string** maps to **RequestOption** (from RN_RequestOption) with cardinality **0..n**.
- productSerialIdentifier[0..n] : string** maps to **RequestOption** (from RN_RequestOption) with cardinality **0..n**.
- responseDescription[0..1] : string** maps to **RequestOption** (from RN_RequestOption) with cardinality **0..n**.
- serviceIdentification[0..n] : string** maps to **RequestOption** (from RN_RequestOption) with cardinality **0..n**.
- serviceLevel[0..1] : string** maps to **RequestOption** (from RN_RequestOption) with cardinality **0..n**.
- handlingInstruction[0..1] : string** maps to **SpecifiedPartnerDescription** (from PartnerIdentification) with cardinality **0..1**.
- productSerialIdentifier[0..n] : string** maps to **SpecifiedPartnerDescription** (from PartnerIdentification) with cardinality **0..1**.
- responseDescription[0..1] : string** maps to **SpecifiedPartnerDescription** (from PartnerIdentification) with cardinality **0..1**.
- serviceIdentification[0..n] : string** maps to **SpecifiedPartnerDescription** (from PartnerIdentification) with cardinality **0..1**.
- serviceLevel[0..1] : string** maps to **SpecifiedPartnerDescription** (from PartnerIdentification) with cardinality **0..1**.

Table 4.1: Interchange Class Changes

#	Description of Changes
	<p>New PIP Package Version: V11.11.00</p> <pre> graph LR subgraph SLO [ServiceLineItemByOption] HI[handlingInstruction[0..1]: string] LN[lineNumber: string] PLN[productLineNumber[0..1]: string] PSI[productSerialIdentifier[0..n]: string] RD[responseDescription[0..1]: string] SI[serviceIdentification[0..n]: string] SL[serviceLevel[0..1]: string] end SLO -- "+quoteReference" --> 0..n BDR[BusinessDocumentReference (from Document)] SLO -- "+expiringBy" --> 0..1 CPI[ContractInformation (from Procurement)] SLO -- "+servicePeriod" --> 0..1 DPAD[DatePeriodAndDuration (from Shared)] SLO --> 0..1 PD[PartnerDescription (from PartnerIdentification)] SLO --> 0..1 PID[ProductIdentification (from ProductIdentification)] SLO -- "+quoteStatus" --> 0..1 POS[PurchaseOrderStatus (from RN_PurchaseOrderStatus)] SLO -- "+listPrice" --> 0..1 PP[ProductPricing (from Shared)] SLO -- "+requestedUnitPrice" --> 0..1 PP SLO -- "+estimatedAvailableProductQuantity" --> 0..1 PQ[ProductQuantity (from Shared)] SLO -- "+estimatedAvailableServiceQuantity" --> 0..1 PQ SLO -- "+requestedProductQuantity" --> 0..1 PQ SLO -- "+requestedServiceQuantity" --> 0..1 PQ SLO --> 0..n QAR[QuoteAcknowledgmentReason (from RN_QuoteAcknowledgmentReason)] SLO --> 0..n QT[QuoteType (from RN_QuoteType)] SLO --> 0..1 RLS[RequoteLineStatus] SLO --> 0..1 RO[RequestOption (from RN_RequestOption)] SLO --> 0..n SD[SpecialDiscount (from Procurement)] </pre>
8.	V11.01.00 Updated domain structures to current versions.

Table 4.2: Interchange CodeList Changes	
#	Description of Changes
1	-NIL-

4 Changes to Domain Objects

Table 5.1: Domain Class Changes	
#	Description of Changes

Table 5.1: Domain Class Changes

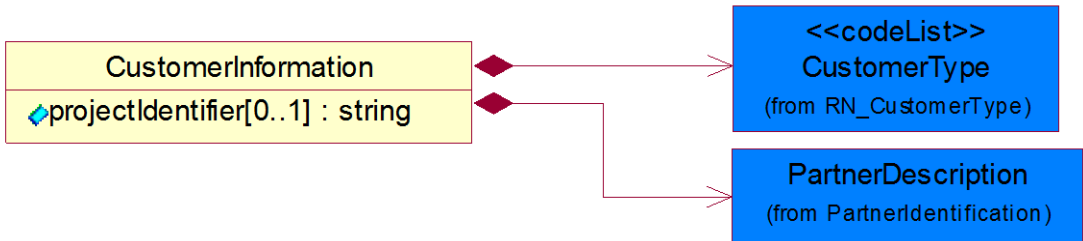
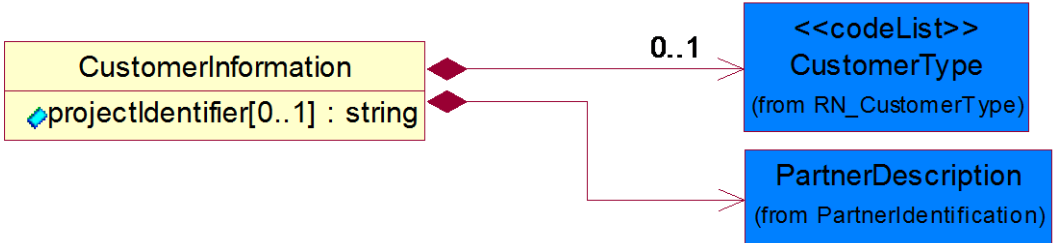
#	Description of Changes
1	<p>CLASS: Procurement::CustomerInformation</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Removed association from Procurement::CodeList::RN_CustomerType::CustomerType (Cardinality: 1). (2) Added association to Procurement::CodeList::RN_CustomerType::CustomerType (Cardinality: 0..1). <p>BUSINESS REQUIREMENT(s):</p> <p>Previous Version: V11.10.00</p>  <p>New Version: V11.11.00</p> 

Table 5.1: Domain Class Changes	
#	Description of Changes
2	<p>CLASS: Procurement::PriceCondition</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added fullstop to the documentation.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the structure and attribute to have proper documentation with a “full stop” and without extra white spaces.</p> <p>Previous Version: V11.10.00</p> <p>New Version: V11.11.00</p>
3	<p>CLASS: Procurement::ProductQuantityRange</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added fullstop to the documentation.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the structure and attribute to have proper documentation with a “full stop” and without extra white spaces.</p> <p>Previous Version: V11.10.00</p> <p>New Version: V11.11.00</p>

Table 5.1: Domain Class Changes	
#	Description of Changes
4	<p>CLASS: Procurement::StepPricing</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1)Removed white spaces after the documentation.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the structure and attribute to have proper documentation with a “full stop” and without extra white spaces.</p> <p>Previous Version: V11.10.00</p> <p>New Version: V11.11.00</p>
5	<p>CLASS: Procurement::SubstituteProductReference</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1)Removed white spaces after the documentation.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the structure and attribute to have proper documentation with a “full stop” and without extra white spaces.</p> <p>Previous Version: V11.10.00</p> <p>New Version: V11.11.00</p>

Table 5.1: Domain Class Changes	
#	Description of Changes
6	<p>CLASS: Procurement::TaxExemption</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1)Removed white spaces after the documentation.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the structure and attribute to have proper documentation with a “full stop” and without extra white spaces.</p> <p>Previous Version: V11.10.00</p> <p>New Version: V11.11.00</p>
7	<p>CLASS: Procurement::TaxSummary</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1)Added association to Procurement::OtherTaxes (Cardinality: 0..n).</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To align with changes done in Maintenance Program 2007: 3C3 Change Request.</p>

Table 5.1: Domain Class Changes

#	Description of Changes
	<p>Previous Version: V11.10.00</p> <pre> classDiagram class TaxSummary class CurrencyConversion class MonetaryAmount["MonetaryAmount (from Shared)"] class TaxInformation class TaxPhrase TaxSummary "0..1" --> CurrencyConversion TaxSummary "0..1" --> MonetaryAmount TaxSummary "0..n" --> TaxInformation : +cityTax TaxSummary "0..n" --> TaxInformation : +nationalTax TaxSummary "0..n" --> TaxInformation : +regionalTax TaxSummary "0..n" --> TaxPhrase </pre> <p>New Version: V11.11.00</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 : +cityTax TaxSummary "0..n" --> TaxInformation : +nationalTax TaxSummary "0..n" --> TaxInformation : +regionalTax TaxSummary "0..n" --> TaxPhrase </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
8	<p>CLASS: Shared::DatePeriodAndDuration</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added documentation to Shared::DatePeriodAndDuration:</p> <ul style="list-style-type: none"> The collection of business properties that describe a date period or duration. <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the structure and attribute to have proper documentation.</p> <p>Previous Version: V11.10.00</p> <p>New Version: V11.11.00</p>

Table 5.1: Domain Class Changes

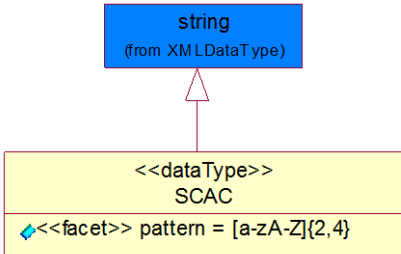
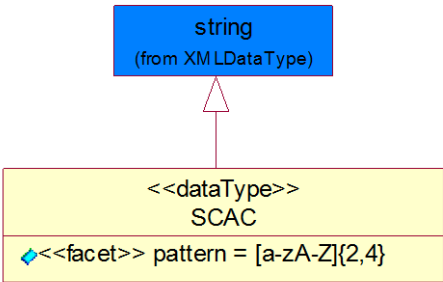
#	Description of Changes
9	<p>CLASS: Shared::SCAC</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added documentation to attribute <<facet>>pattern=[a-zA-Z]{2,4}.</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the structure and attribute to have proper documentation with a “full stop” and without extra white spaces.</p> <p>Previous Version: V11.10.00</p>  <pre> classDiagram class SCAC["<<data Type>>\nSCAC"] { <<facet>> pattern = [a-zA-Z]{2,4} } class string["string\n(from XMLDataType)"] SCAC -- > string </pre> <p>New Version: V11.11.00</p>  <pre> classDiagram class SCAC["<<data Type>>\nSCAC"] { <<facet>> pattern = [a-zA-Z]{2,4} } class string["string\n(from XMLDataType)"] SCAC -- > string </pre>

Table 5.2: Domain Code List Changes

#	Description of Changes
1	<p>CODE LIST: Procurement::CodeList::RN_PurchaseOrderStatus::PurchaseOrderStatus</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Add new code list entity instances:</p> <ul style="list-style-type: none">- CAN: Cancel.- COM: Complete.- FCL: Finally Closed - Cannot be opened any further updates.- NEW: New - Initial state or and has not been amended yet.- PAR: Partial.- UPD: Update - Open and amended. <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the usage of the latest code list.</p> <p>Previous PIP Package Version: V11.10.00</p> <p>New PIP Package Version: V11.11.00</p>

Table 5.2: Domain Code List Changes

#	Description of Changes
2	<p>CODE LIST: Shared::CodeList::RN_InvoiceChargeType::InvoiceChargeType</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"> - ESC: Expedited Shipping Charge - Charge for accelerating the delivery of a product. - LEC: Lease Charge - Charge for the use of a product in which the purchaser assumes certain responsibilities of ownership. - LIC: License Charge - Charge for the use of a product (usually software) in which the manufacturer maintains ownership of the product. - MAC: Maintenance Charge - Charge (usually periodic) for providing maintenance support for a product. - PUC: Purchase Charge - Charge for a product in which the buyer takes all responsibilities of ownership. - REC: Rental Charge - Charge for the use of a product (usually hardware) in which the manufacturer maintains ownership of the product. <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the usage of the latest code list.</p> <p>Previous PIP Package Version: V11.10.00</p> <p>New PIP Package Version: V11.11.00</p>
3	<p>CODE LIST: Shared::CodeList::RN_PricingTypeCode::PricingTypeCode</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"> - BPA: Budgetary Price Amount. <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the usage of the latest code list.</p> <p>Previous PIP Package Version: V11.10.00</p> <p>New PIP Package Version: V11.11.00</p>

Table 5.2: Domain Code List Changes	
#	Description of Changes
4	<p>CODE LIST: Shared::CodeList::RN_AmountType::AmountType</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added documentation to AmountType: <ul style="list-style-type: none"> - Code identifying the type of monetary amount.. <p>BUSINESS REQUIREMENT(s):</p> <p>To align with RosettaNet UML Modeling Guideline to have proper documentation.</p> <p>Previous PIP Package Version: V11.10.00</p> <p>New PIP Package Version: V11.11.00</p>

5 Changes to Universal Structure

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: V11.10.00</p> <p>New PIP Package Version: V11.11.00</p>
2	<p>CLASS: Universal::Locations::AlternativeIdentifier</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added a full stop to documentation of identifier 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: V11.10.00</p> <p>New PIP Package Version: V11.11.00</p>

Table 6.1: Universal Class Changes

#	Description of Changes												
3	<p>CLASS: Universal::MonetaryExpression::TaxJurisdiction</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Changed documentation of (RoleName: Rate, Cardinality: 0..1) from "A number representing a percentage value, e.g. 75.125 represents 75 1/8 percent." to "This object represents the tax rate."</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To align with the changes done in Milestone Program: Schema2Market 2006 for PIP 3C6. Previous PIP Package Version: V11.10.00</p> <table><tr><th>Composition</th><th>Cardinality</th><th>Type</th><th>Documentation</th></tr><tr><td>rate</td><td>0..1</td><td>PercentAmount</td><td>A number representing a percentage value, e.g. 75.125 represents 75 1/8 percent.</td></tr><tr><td>Country</td><td>1</td><td>Country</td><td>For representation of Country name RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard: http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html If you need more information about the ISO standard please contact ISO for more details.</td></tr></table>	Composition	Cardinality	Type	Documentation	rate	0..1	PercentAmount	A number representing a percentage value, e.g. 75.125 represents 75 1/8 percent.	Country	1	Country	For representation of Country name RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard: http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html If you need more information about the ISO standard please contact ISO for more details.
Composition	Cardinality	Type	Documentation										
rate	0..1	PercentAmount	A number representing a percentage value, e.g. 75.125 represents 75 1/8 percent.										
Country	1	Country	For representation of Country name RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard: http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html If you need more information about the ISO standard please contact ISO for more details.										

Table 6.1: Universal Class Changes

#	Description of Changes			
	New PIP Package Version: V11.11.00			
	Composition	Cardinality	Type	Documentation
	rate	0..1	PercentAmount	This object represents the tax rate.
	Country	1	Country	<p>For representation of Country name RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard:</p> <p>http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html</p> <p>If you need more information about the ISO standard please contact ISO for more details.</p>

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> <p>(1) Add new code list entity instances:</p> <ul style="list-style-type: none"> - ARA: Authorization Request Approval. - COS: Consumption Notice. - DOR: Delivery Order. - DRR: 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. - OGA: Other governmental agency issued document. - PCN: Product/Process Change. - RTA: Remittance Advice - Remittance details. <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the usage of the latest code list.</p> <p>Previous PIP Package Version: V11.10.00</p> <p>New PIP Package Version: V11.11.00</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. - FNB: Founded by - The party who performs the act, process, or art of casting metals. - 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. - LGP: Logistics Provided By - The party who handles the details of an operation. - PAE: ProductProviderFieldApplicationEngineer. The product provider Field Application Engineer. - PCW: Primary Contract With - The primary party with whom a contract is formed. - PNB: Planning By - The party who establishes goals, policies or procedures. - 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. - SCB: Subcontracted By - The party who is contracted to perform part or all of another party's contract. - SCW: Secondary Contract With - The subsequent party(ies) with whom a contract is formed. - SPS: Service Provider Site - Identification for the location of the ASP site that is ordering the replacement parts and/or performing the repair.

Table 6.2: Universal Code List Changes

#	Description of Changes
	<ul style="list-style-type: none"> - 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. - WHB: Warehoused By - The party who stocks or stores products. <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the usage of the latest code list.</p> <p>Previous PIP Package Version: V11.10.00</p> <p>New PIP Package Version: V11.11.00</p>

Table 6.2: Universal Code List Changes

#	Description of Changes
3	<p>CODE LIST: Universal::CodeList::RN_UnitOfMeasure::UnitOfMeasure</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Add new code list entity instances:</p> <ul style="list-style-type: none"> - 10P: 10-pack. - 1KP: 1000-pack. - 50P: 50-pack. - ASM: Angstrom. - BIT: Bit. - BYT: Bytes. - CGM: Centigram. - DCB: Decibels. - DCG: Decagram. - DCL: Deciliter. - DGM: Decigram. - HNY: Henry. - KBY: Kilobyte. - KJL: Kilojoule. - MYB: Megabyte. - MCG: Microgram. - MGM: Milligram. - MLS: Miles. - MVT: Millivolt. - PFR: Picofarad. - UNT: Unit. - VTA: Volts (Alternating Current). - VTD: Volts (Direct Current). - VTM: Volts Per Meter. - MVS: Millivolts. <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the usage of the latest code list.</p> <p>Previous PIP Package Version: V11.10.00</p> <p>New PIP Package Version: V11.11.00</p>

6 Changes to System Structure

Table 7.1: System Class Changes	
#	Description of Changes
1	- Nil-

Table 7.2: System Code List Changes	
#	Description of Changes
1	- Nil-