

Release Notes for PIP[®] 3B2

Validated 11.03.00

Specification Information	
Name	Notify Of Advance Shipment
Cluster	Order Management
Segment	Transportation And Distribution
Publication Date	30 May 2012
Version Identifier	V11.03

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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 3B2 Message
- Message Structure
- XML instance of ebBPSS for PIP 3B2

1.5 Purpose

This document describes the issues and resolutions pertaining to PIP 3B2 V11.00.00 and the changes that were made to develop PIP 3B2 V11.03.00.

1.6 Scope

This document contains information describing changes to PIP 3B2 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 11.01.00	25 Jul 2008	Certificate of Analysis (CofA) Milestone Program
Validated 11.02.00	28 Oct 2009	Certificate of Analysis (CofA) Milestone Program
Validated 11.03.00	30 May 2012	Updated Version

2 Changes to “Description of Partner Interface Process” Document

Table 3.1: “Description of Partner Interface Process” Document Changes

#	Description of Changes
	-NIL-

3 Changes to Interchange Objects

Table 4.1: Interchange Changes

#	Description of Changes
1	<p>CLASS: ShippingContainerItem</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added new class BusinessDocumentReference (cardinality: 0..n)</p> <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the business requirement.</p> <p>Previous PIP Package Version: V11.00.00</p> <pre> classDiagram class ShippingContainerItem { hazardousMaterial : boolean identifier[0..1] : string nationalHarmonizedTariffSchedule[0..1] : string packageCount[0..1] : float shippedQuantity : float traceIdentifier[0..n] : string } class DeviceActivationInformation class DocumentSubLineLotShipReference class FinancialAmount { <<from MonetaryExpression>> } class HazardousMaterialDescription { <<from Logistics>> } class ManufacturerProfile { <<from Logistics>> } class NationalExportControlClassification { <<from RN_NationalExportControlClassification>> } class ProductIdentification { <<from ProductIdentification>> } class SpecialHandlingInstruction { <<from Procurement>> } class UnitOfMeasure { <<from RN_UnitOfMeasure>> } ShippingContainerItem "0..n" --> DeviceActivationInformation ShippingContainerItem "1..n" --> DocumentSubLineLotShipReference ShippingContainerItem "0..1" --> FinancialAmount ShippingContainerItem "+freightAmount" --> HazardousMaterialDescription ShippingContainerItem "0..n" --> ManufacturerProfile ShippingContainerItem "0..n" --> NationalExportControlClassification ShippingContainerItem --> ProductIdentification ShippingContainerItem "0..1" --> SpecialHandlingInstruction ShippingContainerItem --> UnitOfMeasure </pre> <p>The diagram illustrates the structure of the ShippingContainerItem class and its associations with other classes. The ShippingContainerItem class (yellow box) contains attributes: hazardousMaterial (boolean), identifier[0..1] (string), nationalHarmonizedTariffSchedule[0..1] (string), packageCount[0..1] (float), shippedQuantity (float), and traceIdentifier[0..n] (string). It is associated with several other classes (blue boxes) via red lines with diamond ends:</p> <ul style="list-style-type: none"> DeviceActivationInformation: Association with cardinality 0..n. DocumentSubLineLotShipReference: Association with cardinality 1..n. FinancialAmount: Association with cardinality 0..1, labeled with +freightAmount. HazardousMaterialDescription: Association with cardinality 0..n, labeled with +freightAmount. ManufacturerProfile: Association with cardinality 0..n. NationalExportControlClassification: Association with cardinality 0..n. ProductIdentification: Association with cardinality 0..1. SpecialHandlingInstruction: Association with cardinality 0..1. UnitOfMeasure: Association with cardinality 0..1.

Table 4.1: Interchange Changes

#	Description of Changes
	<p>New PIP Package Version: V11.01.00</p> <pre> graph LR subgraph ShippingContainerItem [ShippingContainerItem] direction TB SM[hazardousMaterial : boolean] SI[identifier[0..1] : string] NHTS[nationalHarmonizedTariffSchedule[0..1] : string] PC[packageCount[0..1] : float] SQ[shippedQuantity : float] RI[raceIdentifier[0..n] : string] end SM --> 0..n BDR[BusinessDocumentReference (from Document)] SI --> 0..n DAI[DeviceActivationInformation] NHTS --> 1..n DSLSR[DocumentSubLineLotShipReference] PC --> 0..1 FA[FinancialAmount (from MonetaryExpression)] SQ --> +freightAmount HMD[HazardousMaterialDescription (from Logistics)] RI --> 0..n MP[ManufacturerProfile (from Logistics)] RI --> 0..n NEC[NationalExportControlClassification (from RN_NationalExportControlClassification)] RI --> 0..n PI[ProductIdentification (from ProductIdentification)] RI --> 0..1 SHI[SpecialHandlingInstruction (from Procurement)] RI --> > UOM[<<codeList>> UnitOfMeasure (from RN_UnitOfMeasure)] </pre> <p>The diagram illustrates the domain structure of ShippingContainerItem and its associations with various external data structures. The domain structure includes attributes: <code>hazardousMaterial</code> (boolean), <code>identifier</code> (string, 0..1), <code>nationalHarmonizedTariffSchedule</code> (string, 0..1), <code>packageCount</code> (float, 0..1), <code>shippedQuantity</code> (float), and <code>raceIdentifier</code> (string, 0..n). The associations are as follows:</p> <ul style="list-style-type: none"> <code>hazardousMaterial</code> is associated with BusinessDocumentReference (from Document) with a cardinality of 0..n. <code>identifier</code> is associated with DeviceActivationInformation with a cardinality of 0..n. <code>nationalHarmonizedTariffSchedule</code> is associated with DocumentSubLineLotShipReference with a cardinality of 1..n. <code>packageCount</code> is associated with FinancialAmount (from MonetaryExpression) with a cardinality of 0..1. <code>shippedQuantity</code> is associated with HazardousMaterialDescription (from Logistics) with a cardinality of +freightAmount. <code>raceIdentifier</code> is associated with ManufacturerProfile (from Logistics) with a cardinality of 0..n. <code>raceIdentifier</code> is associated with NationalExportControlClassification (from RN_NationalExportControlClassification) with a cardinality of 0..n. <code>raceIdentifier</code> is associated with ProductIdentification (from ProductIdentification) with a cardinality of 0..n. <code>raceIdentifier</code> is associated with SpecialHandlingInstruction (from Procurement) with a cardinality of 0..1. <code>raceIdentifier</code> is associated with UnitOfMeasure (from RN_UnitOfMeasure) with a cardinality of >.
2	V11.02.00 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: Logistics::ExportDeclaration</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none">(1) Added attribute description (Type: string, Cardinality: 0..n)(2) Added attribute identifier (Type: string, Cardinality: 1) <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div><div>ExportDeclaration</div><div>description[0..1] : string</div><div>identifier : string</div></div>

Table 5.1: Domain Class Changes

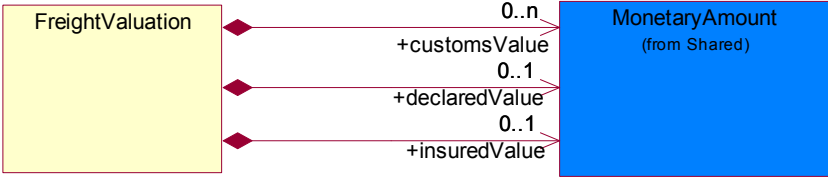
#	Description of Changes
2	<p>CLASS: Logistics::FreightValuation</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <p>(1) Created class FreightValuation</p> <ul style="list-style-type: none"> - Added an association to Shared::MonetaryAmount (Rolename: customsValue, Cardinality: 0..n) - Added an association to Shared::MonetaryAmount (Rolename: declaredValue, Cardinality: 0..n) - Added an association to Shared::MonetaryAmount (Rolename: insuredValue, Cardinality: 0..n) <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p>  <pre> classDiagram class FreightValuation class MonetaryAmount["MonetaryAmount (from Shared)"] FreightValuation "0..n" --> "0..1" MonetaryAmount : +customsValue FreightValuation "0..1" --> "0..1" MonetaryAmount : +declaredValue FreightValuation "0..1" --> "0..1" MonetaryAmount : +insuredValue </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
3	<p>CLASS: Logistics::GeographicRegion</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Created new class Logistics:GeographicRegion (2) Added association to <ul style="list-style-type: none"> - ISO_Country::Country (Cardinality : 0..n) - Locations::Location (Rolename : regionIdentifier, Cardinality : 0..1) <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <pre> classDiagram class GeographicRegion class Country["<<codeList>>\nCountry\n(from ISO_Country)"] class Location["Location\n(from Locations)"] GeographicRegion "0..n" *-- Country GeographicRegion "0..1" *-- Location : +regionIdentifier </pre>

Table 5.1: Domain Class Changes

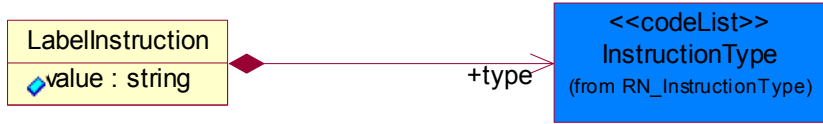
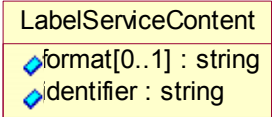
#	Description of Changes
4	<p>CLASS: Logistics:LabelInstruction</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Created new class Logistics:LabelInstruction (2) Added association to RN_InstructionType(Rolename : type, Cardinality:1) <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p>  <pre> classDiagram class LabelInstruction { value : string } class InstructionType { <<codeList>> } LabelInstruction "1" -- "1" InstructionType : +type </pre>
5	<p>CLASS: Logistics:: LabelServiceContent</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new attributes : <ul style="list-style-type: none"> - format (Type:String, Cardinality: 0..1) - identifier (Type:String, Cardinality: 1) <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p>  <pre> classDiagram class LabelServiceContent { format[0..1] : string identifier : string } </pre>

Table 5.1: Domain Class Changes

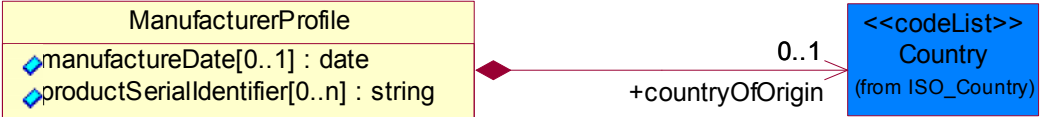
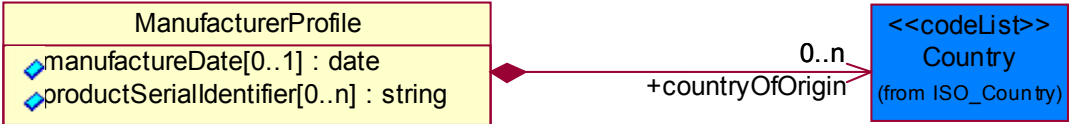
#	Description of Changes
6	<p>CLASS: Logistics::ManufacturerProfile</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Version bumped up due to the changes in the domains.</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <p>New Version: V11.01.00</p> 

Table 5.1: Domain Class Changes

#	Description of Changes
7	<p>CLASS: Logistics::ProductAttribute</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Created class ProductAttribute <ul style="list-style-type: none"> - Added an association to RN_PackageTypeCode::PackageTypeCode (Cardinality: 0..n) - Added an association to ProductPackaging class (Cardinality: 0..1). - Added an association to Shared::ProductQuantity (Rolename: packagingQuantity and smallestPackagingQuantity, Cardinality: 1) - Added an association to RN_UnitOfMeasure::UnitOfMeasure (Cardinality: 1) <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <pre> classDiagram class ProductAttribute class PackageTypeCode["<<codeList>>\nPackageTypeCode\n(from RN_PackageTypeCode)"] class ProductPackaging class ProductQuantity["<<dataType>>\nProductQuantity\n(from Shared)"] class UnitOfMeasure["<<codeList>>\nUnitOfMeasure\n(from RN_UnitOfMeasure)"] ProductAttribute "0..n" --> PackageTypeCode ProductAttribute "0..1" --> ProductPackaging ProductAttribute --> ProductQuantity : +packagingQuantity ProductAttribute --> UnitOfMeasure : +smallestPackagingQuantity </pre>

Table 5.1: Domain Class Changes

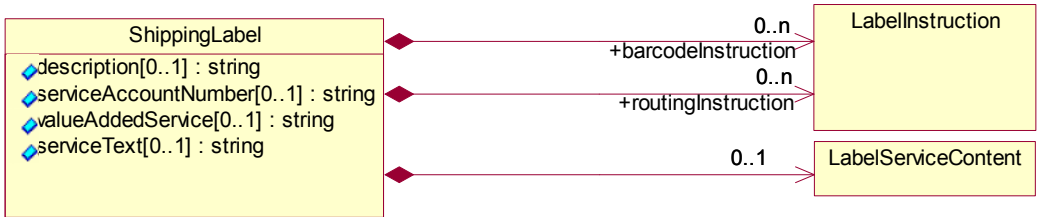
#	Description of Changes
8	<p>CLASS: Logistics::ShippingLabel</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Created new class ShippingLabel <ul style="list-style-type: none"> - attribute description (Type : String , Cardinality : 0..1) - attribute serviceAccountNumber (Type : String , Cardinality : 0..1) - attribute valueAddedService (Type : String , Cardinality : 0..1) - attribute serviceText (Type : String , Cardinality : 0..1) (2) Added association to class ShippingLabel <ul style="list-style-type: none"> - Added an association to LabelInstruction class(Rolename: barcodeInstruction and routingInstruction, Cardinality: 0..n.) - Added an association to LabelServiceContent class (Cardinality: 0..1) <p>BUSINESS REQUIREMENT(s):</p> <p>To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p>  <pre> classDiagram class ShippingLabel { description[0..1] : string serviceAccountNumber[0..1] : string valueAddedService[0..1] : string serviceText[0..1] : string } class LabelInstruction class LabelServiceContent ShippingLabel "0..1" -- "0..n" LabelInstruction : +barcodeInstruction ShippingLabel "0..1" -- "0..n" LabelInstruction : +routingInstruction ShippingLabel "0..1" -- "0..1" LabelServiceContent </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
9	<p>CLASS: Manufacturing::BuildInfoReport</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new class, Manufacturing::BuildInfoReport: (2) Added new attribute under Manufacturing::BuildInfoReport: <ul style="list-style-type: none"> - componentDescription (Type: String, Cardinality: 0..1) - componentID (Type: String, Cardinality: 0..1) - componentLocation (Type: String, Cardinality: 0..1) - componentNumber (Type: Integer, Cardinality: 1) - componentParentNumber (Type: Integer, Cardinality: 0..1) - componentSerialNumber (Type: String, Cardinality: 0..1) - userSite (Type: Integer, Cardinality: 0..1) (3) Added association to Manufacturing::CodeList::RN_ComponentType::ComponentType (Cardinality: 0..1). <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <pre> classDiagram class BuildInfoReport { componentDescription[0..1] : string componentID[0..1] : string componentLocation[0..1] : string componentNumber : integer componentParentNumber[0..1] : integer componentSerialNumber[0..1] : string userSite[0..1] : integer } class ComponentType { <<codeList>> (from RN_ComponentType) } BuildInfoReport "0..1" --> "0..1" ComponentType </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
10	<p>CLASS: Manufacturing::Environment</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none">(1) Added new attributes into Manufacturing::Environment class.<ul style="list-style-type: none">- description (Type: String, Cardinality: 0..1)- type (Type: String, Cardinality: 1)- value (Type: String, Cardinality: 1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div><p>Environment</p><ul style="list-style-type: none">description[0..1] : stringtype : stringvalue : string</div>

Table 5.1: Domain Class Changes

#	Description of Changes
11	<p>CLASS: Manufacturing::FinalPackageReport</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new class, Manufacturing::FinalPackageReport: (2) Added new attribute under Manufacturing::FinalPackageReport: <ul style="list-style-type: none"> - componentNumber (Type: Integer, Cardinality: 0..1) - keyword (Type: String, Cardinality: 0..1) - primaryIdentifier (Type: Integer, Cardinality: 0..1) - userSite (Type: Integer, Cardinality: 0..1) - value (Type: String, Cardinality: 0..1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div data-bbox="232 997 624 1214" style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">FinalPackageReport</p> <ul style="list-style-type: none"> ◆ componentNumber[0..1] : integer ◆ keyword[0..1] : string ◆ primaryIdentifier[0..1] : integer ◆ userSite[0..1] : integer ◆ value[0..1] : string </div>

Table 5.1: Domain Class Changes

#	Description of Changes
12	<p>CLASS: Manufacturing::OperationGate</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new class Manufacturing::OperationGate (2) Added new attributes under Manufacturing::OperationGate: <ul style="list-style-type: none"> - operationGateDescription (Type: string, Cardinality: 0..1) - quantityIn (Type: integer, Cardinality: 0..1) - quantityOut (Type: integer, Cardinality: 0..1) - quantityRejected (Type: integer, Cardinality: 0..1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">OperationGate</p> <ul style="list-style-type: none"> ◆ operationGateDescription[0..1] : string ◆ quantityIn[0..1] : integer ◆ quantityOut[0..1] : integer ◆ quantityRejected[0..1] : integer </div>

Table 5.1: Domain Class Changes

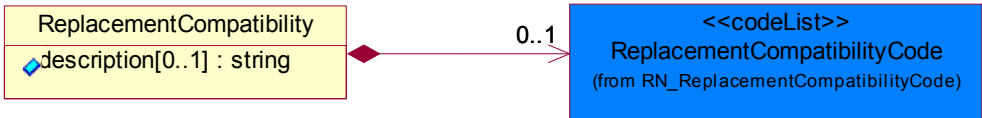
#	Description of Changes
13	<p>CLASS: Manufacturing::ReplacementCompatibility</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <p>(1) Create new class Manufacturing:: ReplacementCompatibility with attribute description(Type : String, Cardinality :0..1)</p> <p>(2) Added association to CodeList::RN_ReplacementCompatibilityCode::ReplacementCompatibility Class (Cardinality:0..1)</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p>  <pre> classDiagram class ReplacementCompatibility { description[0..1] : string } class ReplacementCompatibilityCode { <<codeList>> } ReplacementCompatibility "0..1" --> "0..1" ReplacementCompatibilityCode </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
14	<p>CLASS: Manufacturing::Result</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <p>(1) Create new class Manufacturing::Result with attribute date(Type : dateTime, Cardinality :0..1)</p> <p>(2) Added association to</p> <ul style="list-style-type: none"> - Attachment class (Cardinality: 0..1) - ProductIdentification::TextualDescription (Cardinality: 0..1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <pre> classDiagram class Result { date[0..1] : dateTime } class Attachment class TextualDescription["(from ProductIdentification)"] Result "0..n" --> Attachment Result "0..1" --> TextualDescription </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
15	<p>CLASS: Manufacturing::SoftwareReport</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new class, Manufacturing::SoftwareReport (2) Added new attributea under Manufacturing::SoftwareReport: <ul style="list-style-type: none"> - buildID (Type :String, Cardinality: 0..1) - name (Type: String, Cardinality: 0..1) - type (Type: String, Cardinality: 0..1) - version (Type: String, Cardinality: 0..1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">SoftwareReport</p> <ul style="list-style-type: none"> ◆ buildID[0..1] : string ◆ name[0..1] : string ◆ type[0..1] : string ◆ version[0..1] : string </div>

Table 5.1: Domain Class Changes

#	Description of Changes
16	<p>CLASS: Manufacturing::WaferCoordinate</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Created new class Manufacturing:: WaferCoordinate (2) Added new attributes to WaferCoordinate <ul style="list-style-type: none"> - maxX (Type: Float, Cardinality : 0..1) - maxY (Type: Float, Cardinality : 0..1) - minX (Type: Float, Cardinality : 0..1) - minY (Type: Float, Cardinality : 0..1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>WaferCoordinate</p> <ul style="list-style-type: none"> ◆maxX[0..1] : float ◆maxY[0..1] : float ◆minX[0..1] : float ◆minY[0..1] : float </div>

Table 5.1: Domain Class Changes


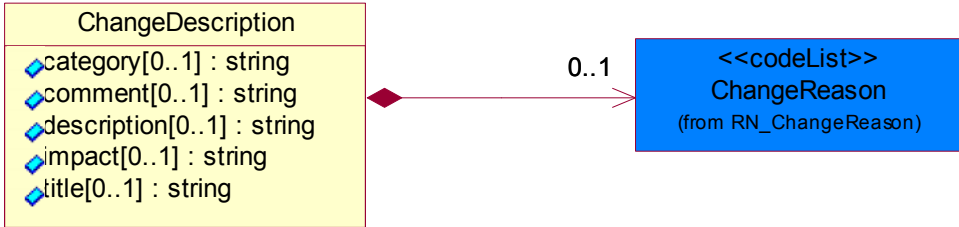
#	Description of Changes
17	<p>CLASS: Manufacturing:: ChangeDescription</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added new attributes to ChangeDescription class.</p> <ul style="list-style-type: none"> - category (Type : String, Cardinality : 0..1) - comment (Type : String, Cardinality : 0..1) - impact (Type : String, Cardinality : 0..1) - title (Type : String, Cardinality : 0..1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <pre> classDiagram class ChangeDescription { description[0..1] : string } class ChangeReason["<<codeList>>\nChangeReason\n(from RN_ChangeReason)"] ChangeDescription "0..1" --> ChangeReason </pre> <p>New Version: V11.01.00</p>  <pre> classDiagram class ChangeDescription { category[0..1] : string comment[0..1] : string description[0..1] : string impact[0..1] : string title[0..1] : string } class ChangeReason["<<codeList>>\nChangeReason\n(from RN_ChangeReason)"] ChangeDescription "0..1" --> ChangeReason </pre>

Table 5.1: Domain Class Changes

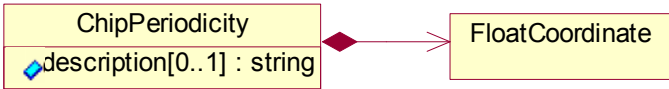
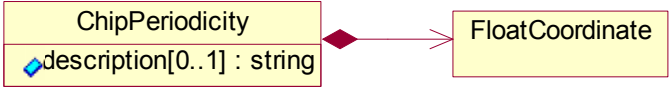
#	Description of Changes
18	<p>CLASS: Manufacturing::ChipPeriodicity</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Version bumped up due to the changes in domain structure.</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <pre> classDiagram class ChipPeriodicity { description[0..1] : string } class FloatCoordinate ChipPeriodicity "1" *-- "1" FloatCoordinate </pre> <p>New Version: V11.01.00</p>  <pre> classDiagram class ChipPeriodicity { description[0..1] : string } class FloatCoordinate ChipPeriodicity "1" *-- "1" FloatCoordinate </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
19	<p>CLASS: Manufacturing::ECIDReport</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new attribute under Manufacturing::ECIDReport: <ul style="list-style-type: none"> - ECIDType (Type: String, Cardinality: 0..1) - componentNumber (Type: Integer, Cardinality: 0..1) (2) Added documentation for rolename: rawbits <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <pre> classDiagram class ECIDReport { decoder[0..1] : string decodedID[0..1] : string } class IntCoordinate class Hexadecimal["<<dataType>> Hexadecimal (from DataType)"] ECIDReport *-- IntCoordinate ECIDReport o-- "0..1" Hexadecimal : +rawBits </pre> <p>New Version: V11.01.00</p> <pre> classDiagram class ECIDReport { componentNumber[0..1] : integer decodedID[0..1] : string decoder[0..1] : string ECIDType[0..1] : string } class IntCoordinate class Hexadecimal["<<dataType>> Hexadecimal (from DataType)"] ECIDReport *-- IntCoordinate ECIDReport o-- "0..1" Hexadecimal : +rawBits </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
20	<p>CLASS: Manufacturing::Lot</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ol style="list-style-type: none"> (1) Changed element nominalSize cardinality from 1..1 to 0..1 (2) Changed cardinality of rolename customerLotNumber from 1..1 to 0..1 (3) Changed cardinality of rolename subLot from 0..1 to 0..n (4) Changed cardinality of LotType from 1..1 to 0..n (5) Changed cardinality of rolename customerPN from 1..1 to 0..n <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>New Version: V11.01.00</p>

Table 5.1: Domain Class Changes

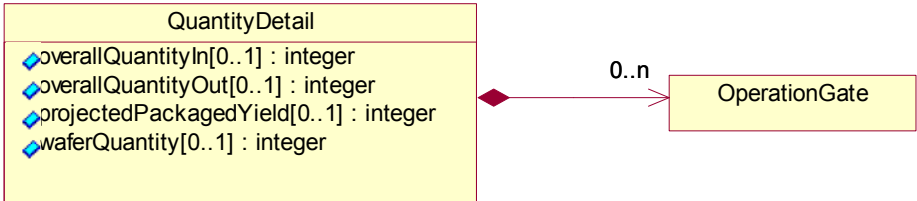
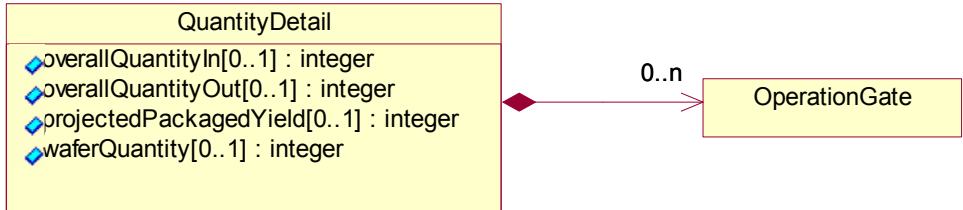
#	Description of Changes
21	<p>CLASS: Manufacturing::QuantityDetail</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Updated documentation for QuantityDetail.</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <p>New Version: V11.01.00</p> 

Table 5.1: Domain Class Changes

#	Description of Changes
22	<p>CLASS: Manufacturing::TestSetup</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added new attribute under Manufacturing::TestSetup:</p> <ul style="list-style-type: none"> - customerTestProgramName (Type: String, Cardinality: 0..1) - customerTestProgramEC (Type: String, Cardinality: 0..1) - testerType (Type: String, Cardinality: 0..1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <pre> classDiagram class TestSetup { primaryIdentifier[0..1] : integer setupName[0..1] : string setupVersion[0..1] : float testerControlSoftware[0..1] : string testProgEC[0..1] : string testProgramName : string } class TestTemperature TestSetup "1" *-- "0..1" TestTemperature </pre> <p>New Version: V11.01.00</p> <pre> classDiagram class TestSetup { customerTestProgramEC[0..1] : string customerTestProgramName[0..1] : string primaryIdentifier[0..1] : integer setupName[0..1] : string setupVersion[0..1] : float testerControlSoftware[0..1] : string testerType[0..1] : string testProgEC[0..1] : string testProgramName : string } class TestTemperature TestSetup "1" *-- "0..1" TestTemperature </pre>

Table 5.1: Domain Class Changes

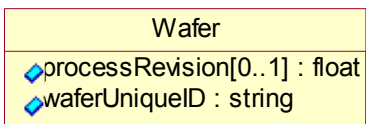
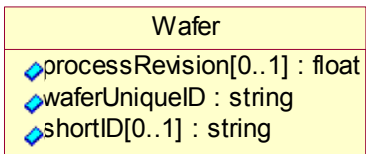
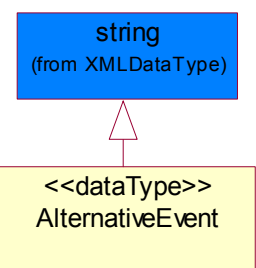
#	Description of Changes
23	<p>CLASS: Manufacturing::Wafer</p> <p>ACTION: Modify</p> <p>CHANGE(s): (1) Added 1 new attribute called sortID (Cardinality: 0..1)</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <p>New Version: V11.01.00</p> 
24	<p>CLASS: Procurement::AlternativeEvent</p> <p>ACTION: New</p> <p>CHANGE(s): (1) Added generalization association to XMLDataType::string</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> 

Table 5.1: Domain Class Changes

#	Description of Changes
25	<p>CLASS: Procurement::AncillaryDates</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new attributes into Procurement::AncillaryDates class. <ul style="list-style-type: none"> - dateTime (Type: dateTime, Cardinality: 0..1) - dateDescription (Type: String, Cardinality: 0..1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">AncillaryDates</p> <ul style="list-style-type: none"> ❖ dateTime[0..1] : dateTime ❖ dateDescription[0..1] : string </div>
26	<p>CLASS: Procurement::AncillaryDocument</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new attributes into Procurement::AncillaryDocument class. <ul style="list-style-type: none"> - name (Type: String, Cardinality: 1) - version (Type: String, Cardinality: 1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">AncillaryDocument</p> <ul style="list-style-type: none"> ❖ name : string ❖ version : string </div>

Table 5.1: Domain Class Changes

#	Description of Changes
27	<p>CLASS: Procurement::ChangeIndicator</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new attributes into Procurement::ChangeIndicator class. <ul style="list-style-type: none"> - equipmentOrderChangeIndicator (Type: Boolean, Cardinality: 1) - purchaseOrderValueChangeIndicator (Type: Boolean, Cardinality: 1) - dateChangeIndicator (Type: Boolean, Cardinality: 1) - ancillaryDocumentChangeIndicator (Type: Boolean, Cardinality: 1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div data-bbox="247 930 958 1116" style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">ChangeIndicator</p> <ul style="list-style-type: none"> ◆ ancillaryDocumentChangeIndicator : boolean ◆ dateChangeIndicator : boolean ◆ equipmentOrderChangeIndicator : boolean ◆ purchaseOrderValueChangeIndicator : boolean </div>

Table 5.1: Domain Class Changes

#	Description of Changes
28	<p>CLASS: Procurement::LotIdentification</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added association to ISO_Country::Coountry (Rolename: countryOfOrigin, Cardinality : 0..n) (2) Changed attribute::Primary cardinality of 1 to 0..1 <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>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 style="display: flex; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; margin-right: 20px;"> <p>LotIdentification</p> <ul style="list-style-type: none"> ◆lotType[0..1] : string ◆primary[0..1] : 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: 50px; position: relative;"> <div style="position: absolute; left: -5px; top: -5px;">◆</div> </div> <div style="margin-left: 5px;">+countryOfOrigin</div> </div> <div style="border: 1px solid black; padding: 5px; margin-left: 20px; background-color: #007bff; color: white;"> <p><<codeList>> Country (from ISO_Country)</p> </div> </div>

Table 5.1: Domain Class Changes

#	Description of Changes
29	<p>CLASS: Procurement::ChangeIndicator</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Created new class Procurement::ChangeIndicator (2) Added new attributes under Procurement::ChangeIndicator <ul style="list-style-type: none"> - ancillaryDocumentChangeIndicator (Type: Boolean, Cardinality : 1) - dateChangeIndicator (Type: Boolean, Cardinality : 1) - equipmentOrderChangeIndicator (Type: Boolean, Cardinality : 1) - purchaseOrderValueChangeIndicator (Type: Boolean, Cardinality : 1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">ChangeIndicator</p> <ul style="list-style-type: none"> ◆ ancillaryDocumentChangeIndicator : boolean ◆ dateChangeIndicator : boolean ◆ equipmentOrderChangeIndicator : boolean ◆ purchaseOrderValueChangeIndicator : boolean </div>

Table 5.1: Domain Class Changes

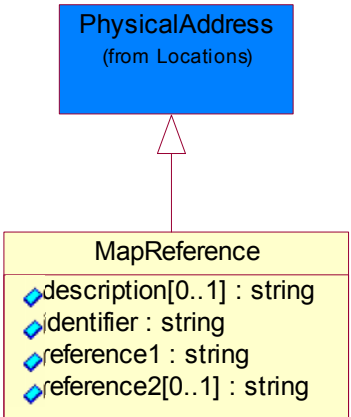
#	Description of Changes
30	<p>CLASS: Procurement::MapReference</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new attributes into Procurement::MapReference class. <ul style="list-style-type: none"> - description (Type: String, Cardinality: 0..1) - identifier (Type: String, Cardinality: 1) - reference1 (Type:String, Cardinality: 1) - reference2 (Type:String, Cardinality: 0..1) (3) Added generalization association to Universal::Locations::PhysicalAddress. <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p>  <pre> classDiagram class PhysicalAddress { <<abstract>> } class MapReference { description[0..1] : string identifier : string reference1 : string reference2[0..1] : string } PhysicalAddress < -- MapReference </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
31	<p>CLASS: Procurement::MilestoneDate</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new attributes into Procurement::MilestoneDate class. <ul style="list-style-type: none"> - eventDate (Type: Date, Cardinality: 1) (2) Added association to Procurement::CodeList::DateType (Cardinality: 1). (3) Added association to Procurement::MilestoneDateChoice choice structure (Cardinality: 1). (4) For Procurement::MilestoneDateChoice <ul style="list-style-type: none"> • Added association to Procurement::CodeList::Event (Cardinality: 1). • Added association to Procurement::AlternativeEvent datatype (Cardinality: 1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <pre> classDiagram class MilestoneDate { eventDate : date } class MilestoneDateChoice { } class DateType { <<codeList>> } class Event { <<codeList>> } class AlternativeEvent { <<dataType>> } MilestoneDate "1" *-- "1" DateType MilestoneDate "1" *-- "1" MilestoneDateChoice MilestoneDateChoice "1" *-- "1" Event MilestoneDateChoice "1" *-- "1" AlternativeEvent </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
32	<p>CLASS: Procurement::OrderProvision</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (2) Added new class Procurement::OrderProvision and added new attribute sampleAvailability(Type: Date, Cardinality: 1) (4) Added generalization association to ProductAvailability. (5) Added association <ul style="list-style-type: none"> - ProductLeadTime with cardinality 0..1 - Shared::ProductQuantity with role name orderSizeRounding and cardinality 0..1 - ProductQunaityRange with role name orderQuantity and cardinality 0..1 <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <pre> classDiagram class ProductAvailability class OrderProvision { sampleAvailability : date } class ProductLeadTime class ProductQuantity["<<dataType>> ProductQuantity (from Shared)"] class ProductQuantityRange ProductAvailability < -- OrderProvision OrderProvision *-- ProductLeadTime : 0..1 OrderProvision *-- ProductQuantity : 0..1, +orderSizeRounding OrderProvision *-- ProductQuantityRange : 0..1, +orderQuantity </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
33	<p>CLASS: Procurement::OrderQuantity</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added new attributes.</p> <ul style="list-style-type: none"> a. remainingQuantity (Type: float, Cardinality: 0..1) b. totalReceivedQuantity (Type: float, Cardinality: 0..1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">OrderQuantity</p> <ul style="list-style-type: none"> ◆ requestedQuantity : float ◆ scheduledShipQuantity[0..1] : float </div> <p>New Version: V11.01.00</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">OrderQuantity</p> <ul style="list-style-type: none"> ◆ remainingQuantity[0..1] : float ◆ requestedQuantity : float ◆ scheduledShipQuantity[0..1] : float ◆ totalReceivedQuantity[0..1] : float </div>

Table 5.1: Domain Class Changes

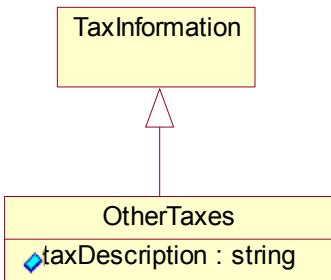
#	Description of Changes
34	<p>CLASS: Procurement::OtherTaxes</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (5) Added new attributes into Procurement::OtherTaxes class. <ul style="list-style-type: none"> - taxDescription (Type: String, Cardinality: 1) (6) Added generalization to Procurement::TaxInformation class. <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p>  <pre> classDiagram class TaxInformation class OtherTaxes { taxDescription : string } TaxInformation < -- OtherTaxes </pre>

Table 5.1: Domain Class Changes

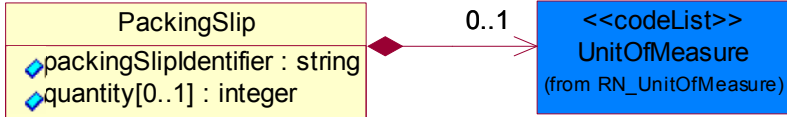
#	Description of Changes
35	<p>CLASS: Procurement::PackingSlip</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (2) Added new attributes into Procurement::PackingSlip class. <ul style="list-style-type: none"> - packingSlipIdentifier (Type: String, Cardinality: 1) - quantity (Type: Integer, Cardinality: 0..1) (3) Added association to Universal::CodeList::UnitOfMeasure class. <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p>  <pre> classDiagram class PackingSlip { packingSlipIdentifier : string quantity[0..1] : integer } class UnitOfMeasure["<<codeList>> UnitOfMeasure (from RN_UnitOfMeasure)"] PackingSlip "0..1" --> UnitOfMeasure </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
36	<p>CLASS: Procurement::PartPayment</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Added new attributes into Procurement::PartPayment class. <ul style="list-style-type: none"> - completeQuantity (Type: Integer, Cardinality: 1) - quantity (Type: Integer, Cardinality: 1) (2) Added association to Universal::DataType::PercentAmount (Role Name: partPaymentPercentage, Cardinality: 1). <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div style="margin-top: 20px;"> <pre> classDiagram class PartPayment { completeOrderLineQuantity : integer partPaymentQuantity : integer } class PercentAmount["<<dataType>> PercentAmount (from DataType)"] PartPayment "1" -- "1" PercentAmount : +partPaymentPercentage </pre> </div>

Table 5.1: Domain Class Changes



#	Description of Changes
37	<p>CLASS: Procurement::PortalAccess</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none">(1) Added new attributes into Procurement::PortalAccess class.<ul style="list-style-type: none">- authorizationCode (Type: String, Cardinality: 0..n)- url (Type: String, Cardinality: 1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <div><div>PortalAccess</div><div>authorizationCode[0..n] : string</div><div>url : string</div></div>

Table 5.1: Domain Class Changes

#	Description of Changes
38	<p>CLASS: Procurement::PricingDetail</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Created new class Procurement::PricingDetail (2) Added association to <ul style="list-style-type: none"> - Dates::DatePeriod class with rolename effectiveDate and cardinality 0..1 - PriceList with rolenames <ul style="list-style-type: none"> i. previousUnitPrice, cardinality 0..1 ii. unitPrice, cardinality 0..1 - Shared::ProductQuantity with rolename orderSizeRounding and cardinality 0..1 - ProductQuantityRange with cardinality 1. <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <pre> classDiagram class PricingDetail class DatePeriod["DatePeriod (from Dates)"] class PriceList class ProductQuantity["<<data Type>> ProductQuantity (from Shared)"] class ProductQuantityRange PricingDetail "0..1" -- "0..1" DatePeriod : +effectiveDate PricingDetail "0..1" -- "0..1" PriceList : +previousUnitPrice PricingDetail "0..1" -- "0..1" PriceList : +unitPrice PricingDetail "0..1" -- "0..1" ProductQuantity : +orderSizeRounding </pre>

Table 5.1: Domain Class Changes

#	Description of Changes
39	<p>CLASS: Procurement::ProductPricing</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (3) Created new class Procurement::ProductPricing (4) Added association to <ul style="list-style-type: none"> - Class IsCallFactory (Cardinality: 0..1) - Class IsCostCharge (Cardinality: 1) - Class IsPriceProtect (Cardinality: 1) - Class IsSuggestedResaleChange (Cardinality: 1) - Class PricingDetail (Cardinality: 0..n) - Class RN_PricingTypeCode::PricingTypeCode (Cardinality: 0..n) - Class SubstituteProductReference (Role: associatedProduct, Cardinality: 0..n) - Class RN_UnitOfMeasure::UnitOfMeasure (Cardinality: 0..1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p> <pre> classDiagram class ProductPricing class IsCallFactory["<<dataType>>\nIsCallFactory"] class IsCostCharge["<<dataType>>\nIsCostCharge"] class IsPriceProtect["<<dataType>>\nIsPriceProtect"] class IsSuggestedResaleChange["<<dataType>>\nIsSuggestedResaleChange"] class PricingDetail class PricingTypeCode["<<codeList>>\nPricingTypeCode\n(from RN_PricingTypeCode)"] class SubstituteProductReference class UnitOfMeasure["<<codeList>>\nUnitOfMeasure\n(from RN_UnitOfMeasure)"] ProductPricing "0..1" --> IsCallFactory ProductPricing "1" --> IsCostCharge ProductPricing "1" --> IsPriceProtect ProductPricing "1" --> IsSuggestedResaleChange ProductPricing "0..n" --> PricingDetail ProductPricing "0..n" --> PricingTypeCode ProductPricing "0..n" --> SubstituteProductReference : + associatedProduct ProductPricing "0..1" --> UnitOfMeasure </pre>

Table 5.1: Domain Class Changes

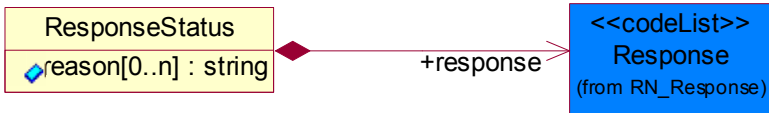
#	Description of Changes
40	<p>CLASS: Procurement::ResponseStatus</p> <p>ACTION: New</p> <p>CHANGE(s):</p> <ul style="list-style-type: none"> (1) Created new class called Procurement::ResponseStatus with attribute reason (Type : String, Cardinality: 0..n) (2) Added association with RN_Response::Response(Role: response, Cardinality : 1) <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>NIL</p> <p>New Version: V11.01.00</p>  <pre> classDiagram class ResponseStatus { reason[0..n] : string } class Response["<<codeList>>\nResponse\n(from RN_Response)"] ResponseStatus "1" *-- "1" Response : +response </pre>

Table 5.1: Domain Class Changes

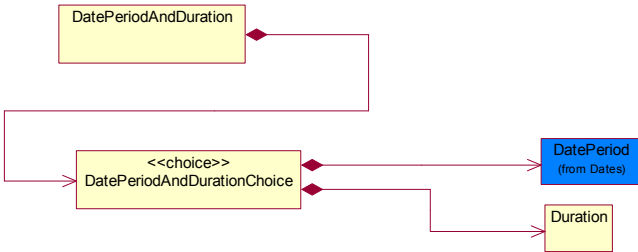
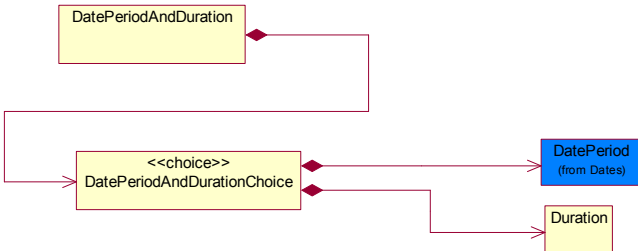
#	Description of Changes
41	<p>CLASS: Shared::DatePeriodAndDuration</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <ol style="list-style-type: none"> (1) Changed the description of DatePreriodAndDuration to "The collection of business properties that describe a date period or duration". (2) Changed the description of SCACType to "The Standard Carrier Alpha Code (SCAC) is a unique two-to-four-letter code used to identify transportation companies. NMFTA developed the SCAC identification codes in the mid 1960's to facilitate computerization in the transportation industry.Refer http://www.nmfta.org for more detail." <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <p>New Version: V11.01.00</p> 

Table 5.1: Domain Class Changes

#	Description of Changes
	<p>CLASS: Logistic:: ManufacturerProfile</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added parentProductSerialIdentifier.</p> <p>BUSINESS REQUIREMENT(s): Parent product serial number is required for container shipping product management.</p> <p>Previous Version: V11.01.00</p> <pre> classDiagram class ManufacturerProfile { manufactureDate[0..1] : date productSerialIdentifier[0..n] : string } class Country["<<codeList>> Country (from ISO_Country)"] ManufacturerProfile "0..n" --> "0..n" Country : +countryOfOrigin </pre> <p>New Version: V11.01.00</p> <pre> classDiagram class ManufacturerProfile { manufactureDate[0..1] : date parentProductSerialIdentifier[0..1] : string productSerialIdentifier[0..n] : string } class Country["<<codeList>> Country (from ISO_Country)"] ManufacturerProfile "0..n" --> "0..n" Country : +countryOfOrigin </pre>

Table 5.2: Domain Code List Changes

#	Description of Changes
1	<p>CLASS: Domain::Manufacturing::CodeList::RN_LotQuantityClassification</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Removed whitespace in the description for codelist instance LPR</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>New Version: V11.01.00</p>

5 Changes to Universal Structure

Table 6.1: Universal Class Changes

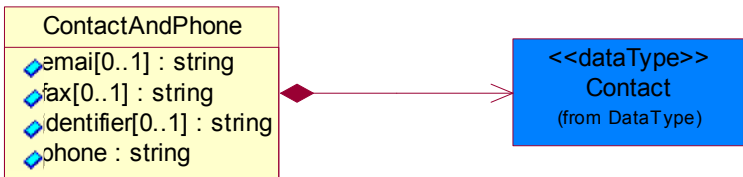
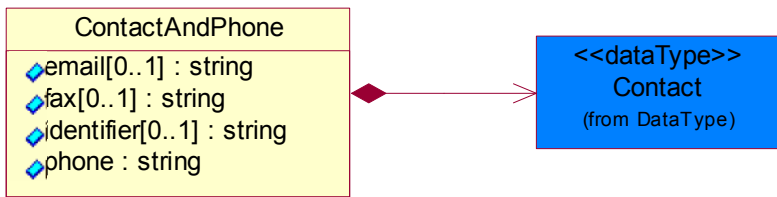
#	Description of Changes
1	<p>CLASS: Universal::ContactInformation::ContactAndPhone</p> <p>ACTION: Modify</p> <p>CHANGE(s): (1) Changed the element name from Emai to Email.</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <p>New Version: V11.01.00</p> 

Table 6.1: Universal Class Changes

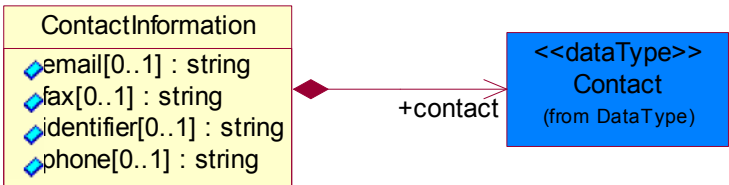
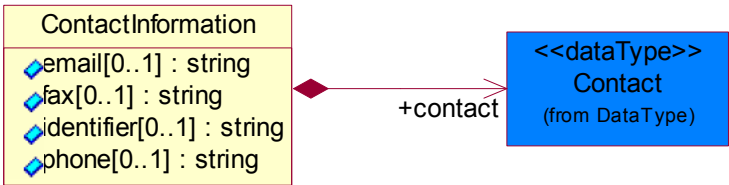
#	Description of Changes
2	<p>CLASS: Universal::ContactInformation::ContactInformation</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Update the description of Email to "The electronic mail for the specified contact".</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <p>New Version: V11.01.00</p> 

Table 6.1: Universal Class Changes

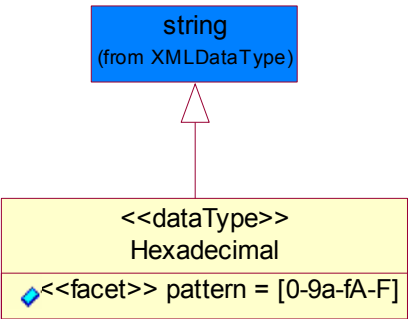
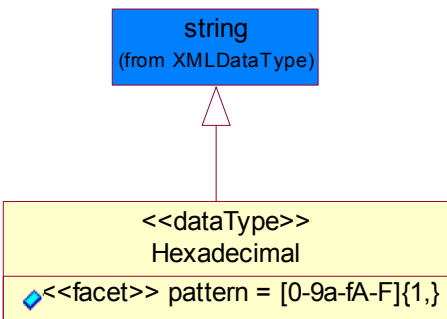
#	Description of Changes
3	<p>CLASS: Universal::DataType::Hexadecimal</p> <p>ACTION: Modify</p> <p>CHANGE(s): (1) Changed the facet of Hexadecimal to [0-9a-fA-F]{1,} and the description to [0-9a-fA-F]{1,}</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <p>New Version: V11.01.00</p> 

Table 6.1: Universal Class Changes

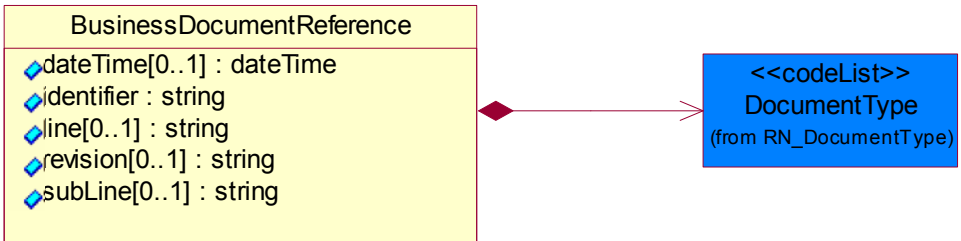
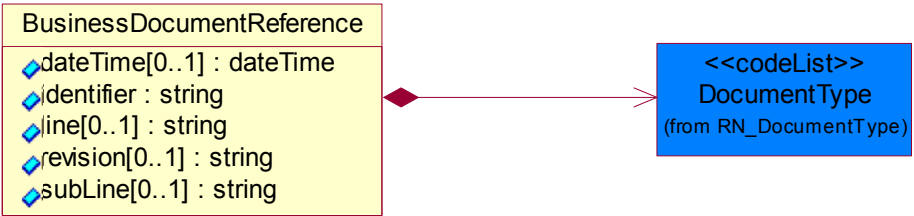
#	Description of Changes
4	<p>CLASS: Universal::Document::BusinessDocumentReference</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Version bumped up due to the changes in other domains.</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <p>New Version: V11.01.00</p> 

Table 6.1: Universal Class Changes





#	Description of Changes
5	<p>CLASS: Universal::Locations::AlternativeIdentifier</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(2) Update the description of Identifier to "The specified code to represent an entity (e.g. product, location, partner, etc.)".</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <div><div>AlternativeIdentifier</div><div> authority : string  identifier : string</div></div> <p>New Version: V11.01.00</p> <div><div>AlternativeIdentifier</div><div> authority : string  identifier : string</div></div>

Table 6.1: Universal Class Changes

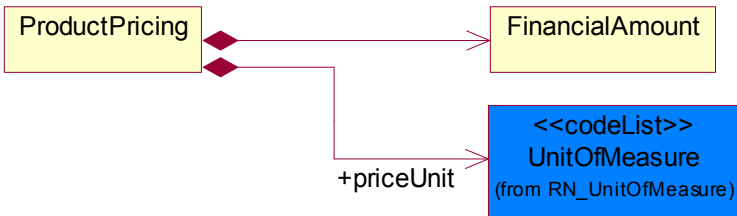
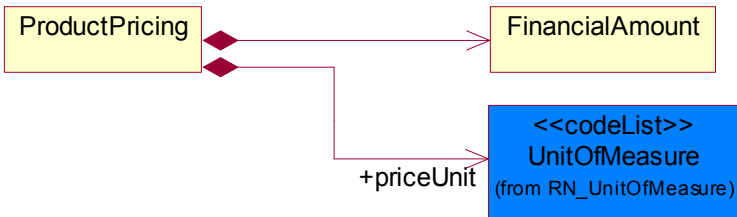
#	Description of Changes
6	<p>CLASS: Universal::MonetaryExpression::ProductPricing</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Update the description of PriceUnit to "This object represents the unit of the product."</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <pre> classDiagram class ProductPricing class FinancialAmount class UnitOfMeasure["<<codeList>>\nUnitOfMeasure\n(from RN_UnitOfMeasure)"] ProductPricing "1" *-- "1" FinancialAmount ProductPricing "1" -- "1" UnitOfMeasure : +priceUnit </pre> <p>New Version: V11.01.00</p>  <pre> classDiagram class ProductPricing class FinancialAmount class UnitOfMeasure["<<codeList>>\nUnitOfMeasure\n(from RN_UnitOfMeasure)"] ProductPricing "1" *-- "1" FinancialAmount ProductPricing "1" -- "1" UnitOfMeasure : +priceUnit </pre>

Table 6.1: Universal Class Changes

#	Description of Changes
7	<p>CLASS: Universal::MonetaryExpression::TaxJurisdiction</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Update the description of role name rate to "This object represents the tax rate".</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <pre> classDiagram class TaxJurisdiction { identifier[0..1] : string location[0..1] : string } class Country { <<codeList>> } class PercentAmount { <<dataType>> } TaxJurisdiction "1" *-- "0..1" Country TaxJurisdiction "1" *-- "0..1" PercentAmount : +rate </pre> <p>New Version: V11.01.00</p> <pre> classDiagram class TaxJurisdiction { identifier[0..1] : string location[0..1] : string } class Country { <<codeList>> } class PercentAmount { <<dataType>> } TaxJurisdiction "1" *-- "0..1" Country TaxJurisdiction "1" *-- "0..1" PercentAmount : +rate </pre>

Table 6.1: Universal Class Changes

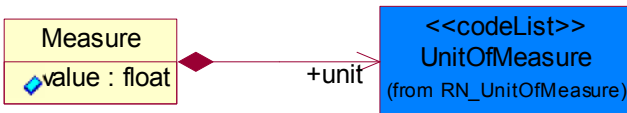
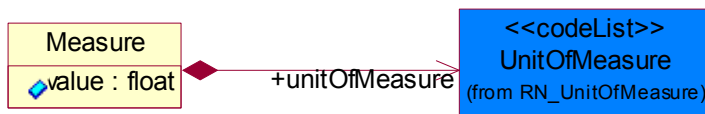
#	Description of Changes
8	<p>CLASS: Universal::PhysicalDimension::Measure</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(3) Rename the role name Unit to UnitOfMeasure.</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <pre> classDiagram class Measure { value : float } class UnitOfMeasure["<<codeList>> UnitOfMeasure (from RN_UnitOfMeasure)"] Measure --> UnitOfMeasure : +unit </pre> <p>New Version: V11.01.00</p>  <pre> classDiagram class Measure { value : float } class UnitOfMeasure["<<codeList>> UnitOfMeasure (from RN_UnitOfMeasure)"] Measure --> UnitOfMeasure : +unitOfMeasure </pre>

Table 6.1: Universal Class Changes

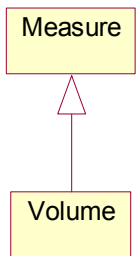
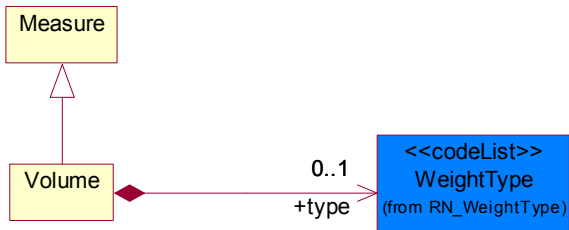
#	Description of Changes
9	<p>CLASS: Universal::PhysicalDimension::Volume</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Added association to WeightType (Rolename:Type, cardinality: 0..1)</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p>  <pre> classDiagram class Measure class Volume Measure < -- Volume </pre> <p>New Version: V11.01.00</p>  <pre> classDiagram class Measure class Volume class WeightType["<<codeList>>\nWeightType\n(from RN_WeightType)"] Measure < -- Volume Volume "0..1" --> "1" WeightType : +type </pre>
10	<p>CLASS: Universal::ProductIdentification</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Version bumped up due to the changes in other domains.</p> <p>BUSINESS REQUIREMENT(s): To standardize the business requirement.</p> <p>Previous Version: V11.00.00</p> <p>New Version: V11.01.00</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. - COA Certificate of Analysis. - 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. - PCN Product/Process Change. - REN Release Number. <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::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"> - 1M2 1/Square Meter (1/M2). - 1PM 1/minute (1/min). - 22S Square Millimeter/Second (mm²/s). - 3MH Cubic Millimeters/Hour (mm³/hour). - ABC Absorbance per centimeter (Absorbance per cm). - ABU Absorbance per Unit (absorbance per unit). - ACC Atoms per Cubic Centimeters (atoms per cu cm). - ACS Acidic strength/concentration. - ACU Activity unit (Activ.unit). - AM1 Ampoule. - AMN Ångstroms/Minute (Ångst/min). - ANG Angstrom (A). - APB Atomic Parts per Billion (atomic ppb). - APG API Specific Gravity (API Grav). - APM Atomic Parts per Million (atomic ppm). - APT Atomic Parts per Trillion (atomic ppt). - APU APHA Units (apha). - ASC Atoms per Square Centimeters (atoms per sq cm). - ASY Assembly (ASY). - ATG Atmospheric gauge. - ATM Atmosphere absolute. - ATP Atomic %. - ATY Activity. - BHP Brake HP. - BLN Balance. - BRB Bar absolute. - BUB Bubbler. - COW Counts per Wafer (Counts/wf). - C3M Cubic centimeter per minute (cm³/minute). - CC2 Centipoises per hour per square centimeters (cps per hr per sq cm). - CCC Counts per Square Centimeters (Counts/cm²). - CD3 Cubic decimeter (Cubic dec). - CM2 Square centimeter (cm²). - CMH Centimeter/hour (cm/h). - CML Colony/Milliliter (col/ml). - CMS Centimeter/Second (cm/s). - CST Centistokes. - DAL Dalton units (dalton). - DCM Defects per Square Centimeters (Defects/cm²). - DE1 Defects. - DE2 Degrees in Angles. - DE3 Degree. - DFW Defects per Wafer (Defects/Wafer).

Table 6.2: Universal Code List Changes

#	Description of Changes
	<ul style="list-style-type: none"> - DNC Dynes per centimeter (Dynes per cm). - DPM Parts per Million per Day (ppm per day). - EML Enzyme Units/Milliliter (Enzyme/ml). - ENU Enzyme Units (Enzy.Units). - EQ2 Milliequivalent per 30 Kg (mequ/30Kg). - EQG Milliequivalent per gram (milliequivalent per g). - EQK Milliequivalent per Kilogram (mequ/Kg). - EQM Milliequivalent per Millimeter (milliequivalent per mm). - FIN 1/32 inch. - FPS Feet per second (Feet/s). - FRH Sales FT3 at 60°F per hour (FTR/hour). - FRM Sales FT3 at 60°F per minute (FTR/min). - FTR Sales FT3 at 60°F, 14.7 psia (SFT3_60F_S). - FTS Sales FT3 at 70°F, 14.7 psia (SFT3_70F_S). - FTT 1000 FT3 at 60°F, 14.7 psia (KFT3_60F_S). - FTU 1000 FT3 at 70°F, 14.7 psia (KFT3_70F_S). - G2S Gram square per second (g²/s). - GAI Gram act. ingr. (g act.ing). - GAU Gram Gold. - GCL Gardner Color. - GEG Keim/Gramm (keim/g). - GEQ Gram per Equivalent (g/Eq). - GGM Gram per gram mole (g/gmole). - GHG Gram per Hectogram (g/hg). - GM4 Gram per 100 Milliliters (g/100ml). - GME Gram per Mole Equivalent (g/mole Eq) - GMO Gram per Mol (g/mol). - GNL Gram act.Ingrd per Liter (gai/liter). - GOH Gigaohm (GOhm). - GPN US Gallon per minute (gpm US). - HGM Hegman. - HZM Hertz per Minute (Hertz per min). - IH2 Inches of Water Gauge (inH2O-g). - IHG Inches of Mercury Gauge (inHg-g). - ILB Inch pounds (in.lb). - IPS Inch per second (inch / sec). - JKG Joule/Kilogram (J/kg). - JMO Joule/Mol (J/mol). - KAI Kilogram act. Ingrd. (kg ac.ing.). - KAK kg act.ingrd. / kg (kai/kg). - KCM Kilogram per cm² gauge (kg/cm²-g). - KD3 Kilogram per Cubic Decimeter (kg/dm³). - KGE Container Fill Weight in Kg/Ea. - KGH Kilogram per Hour (kg/h). - KGL Kilograms per Liter (kg/L). - KGM Kilogram/Mol (kg/mol). - KGS Kilogram per Second (kg/s). - KJK Kilojoule per kilogram (KJ/kg). - KJM Kilojoule/Mol (KJ/mol).

Table 6.2: Universal Code List Changes

#	Description of Changes
	<ul style="list-style-type: none"> - KMK Cubic meter/Cubic meter (m3/m3). - KMN Kelvin per Minute (K/min). - KMS Kelvin per Second (K/s). - KNM Kilonewton per square meter (kN/m2). - KNT Kilonewton (ND). - KPA Kilopascal (kPa). - KRU Krebs Unit. - KTN Kilotonne (kt). - KVA Kilovoltampere (kVA). - KWR Kilovolt ampere reactive hours (KVAH reac.). - LBH US Pound per Hour (lb/hour). - LBM US Pound per minute (lb/min). - LG2 Liter per Gram per Centimeter (l/g/cm). - LGC Liters per Gram-Centimeters (l/g-cm). - LHK Liter per 100 km (l/100 km). - LMI Liter per Minute (l/min). - LMS Liter per Molsecond (l/mol.s). - LPD Light Point Defects per Wafer (LPD/Wafer). - LPH Liter per hour (l/hr), - M15 Micron per 15 Square Millimeters (mu per 15 sq mm). - M20 Micron per 20 Square Millimeters (mu per 20 sq mm). - M25 Micron per 25 Square Millimeters (mu per 25 sq mm). - M26 Micron per 26 by 8 Millimeters (mu per 26 by 8 mm). - M2G Meters square per gram (m sq per gram). - M3A Sales m3 at 15 °C, 1 atmos (Sm3_15C_S). - M3B Sales m3 at 21 °C, 1 atmos (Sm3_21C_S). - M3C Sales m3 at 10 °C, 1 atmos (Sm3_10C_S). - M3D Sales m3 at 43 °C, 1 bar (Sm3_43C_D). - M3E Sales m3 at 9 °C, 1 bar (Sm3_9C_D). - M3F Sales m3 at 15 °C, 1 bar (Sm3_15C_D). - M3G Sales m3 at 27 °C, 1 atmos (Sm3_27C_S). - M3H Cubic Meter per Hour (m3/h). - M3J Sales m3 at 35 °C, 1 atmos (Sm3_35C_S). - M3K Cubic Meter/Kilogram (m3/Kg). - M3M Milliliter per Cubic Meter (ml/m3). - M3N Mol per Cubic Meter (Mol/m3). - MBZ Meterbar per Second (m.bar/s). - MC2 Millisecond per Centimeter (mS/cm). - MCA Microampere (μA). - MCH Micromhos (μmhos). - MCK Microcuries per Kilogram (μci/kg). - MCL Microcuries per Gaseous Liter (μc/l). - MCN Metal Can. - MCP Manifolded Cylinder Pack. - MEJ Megajoule (MJ). - MFD Microfarad (μF). - MGA Milligram per Amp (mg per amp). - MGF Milligram per Square Centimeter (mg/cm2). - MGG Milligram per Gram (mg/g). - MGL Microgram per Liter (μg/l).

Table 6.2: Universal Code List Changes

#	Description of Changes
	<ul style="list-style-type: none"> - MGO Megohm (MOhm). - MGR Micrograms per Gram ($\mu\text{g/g}$). - MGS Milligram per Second (mg per sec). - MH1 Millimeter per Hour (mm/h). - MHC Micromhos per Centimeter ($\mu\text{mhos/cm}$) - MHR Meter per Hour (m/h). - MHV Megavolt. - MJM Wobbe Number (MJ/m³). - MKG Milligrams of KOH per Gram (mg KOH per g). - MKL Millimol per Gram (mmol/g). - ML1 Milliliter per Liter (ml/l) - ML2 Milliliter per Liter (ml/l). - ML3 Mol per Liter (Mol/Liter). - ML4 Millimol per Liter (Millimol/l). - MLG Milliliter per Gallon (ml per gal). - MLM Mole per Mole (mole/mole). - MLP Mole Percent (% mole). - MLR Microliter (μl). - MLW Milliliter act. Ingr. (ml act.in.). - MM3 Cubic Millimeter (mm³). - MMA Millimeter per Year (mm/a). - MMG Millimol/gram (mmol/g). - MMM 0.000001 meter (1 millionth of a meter). (Micrometer/Micron). - MMN Meter per Minute (m/min). - MMS Millimeter per Second (mm/s). - MNM Millinewton per meter (mN/m). - MNT Meganewton (MN). - MPB Mass parts per billion (ppb(m)). - MPG Miles per Gallon (US) (Mi/Gal(US)). - MPM Mass Parts per Million (ppm(m)). - MPT Mass Parts per Trillion (ppt(m)). - MPZ Meterpascal per Second (m.Pa/s). - MQG Microequivalent per Gram (microeq/g). - MRF Millifarad (mF). - MS1 MilliSiemen per Centimeter (mS/cm). - MS2 Meter per Second Squared (m/s²). - MS3 Microsiemens per Centimeter ($\mu\text{S/cm}$). - MTS Meters per second. - MVA Megavoltampere (MVA). - MWH Megawatt Hours (mwh). - MWR Megavolt Ampere Reactive Hours (MVAH reac.). - MWT Molecular Weight (mW). - MYS Micro Siemens (mic. Siem.). - N2M Newton/Square millimeter (N/mm²). - NM2 Newton per Square Meter (N/m²). - NM3 Normal m³ at 0°C, 1 atmos (Normal m³). - NMH Newton per Hour (N/h). - NMM Newton per Millimeter (N/mm). - NMR Normal m³ per Hour (Nm³/h). - NOL Normality.

Table 6.2: Universal Code List Changes

#	Description of Changes
	<ul style="list-style-type: none"> - NPK Nowpac Container (Nowpac). - NRG Bar Gauge. - NRU Nanofarad (nF). - NTU Nephelometric Turbidity Units (NTU). - NTY Equivalents per Liter (equ/l). - NUM Numbers. - NWM Newton per Meter (N/m). - NXM Newton per 25 mm (N/25mm). - O2P Percent Oxygen (% Oxygen). - OHC Ohm-Centimeter (ohm cm). - OPH Operating hour (Oper. Hour). - OZG Ounce per Gallon (oz per gal). - PBA PPBA Silicon (ppba Si). - PBW Parts Per Billion by Weight (ppbw). - PC2 Parts per Square Centimeters (part per sq cm). - PCA Percent Active (% Active). - PCL Picocuries per Liter (pCi/l). - PF3 Per Cubic Foot (per cu ft). - PF4 Particles per Cubic Feet (particles per cu ft). - PFA Percent Failed Area (Failed Area %). - PH PH Factor (pH). - PI2 Parts per Square Inch (part per sq in). - PL2 Parts per Milliliter (parts per ml). - PL3 Part per Millilitre (Part/ml). - PLA Plate. - PLI Pounds per Linear Inch (lb/Lin. In). - PLR Per Liter. - PMA Percent Mass (%(m)). - PMI Per Mille (%0). - PML Particles per Milliliter (particles/mL). - PMO Per Mille mass (%0(mass)). - PMP Parts Per Million Platinum (ppm Pt). - PMV Parts Per Million (weight/Vol) (ppm (w/v)). - PMW Parts Per Million by Weight (ppmw). - PNJ Particles per Injection (particles per inj). - PNT Points. - POR Pores. - PP3 Parts per Million mole (ppm mole). - PP4 Parts per Billion Mole (ppb mole). - PPF Parts per Ft3 (Parts/Ft3). - PPH Parts Per Hundred (pph). - PPT Parts per Trillion (ppt). - PRS Number of Persons. - PSA Pounds per Square Inch Absolute. - PSG Pound per Square Inch Gauge (psi gauge). - PSI PSI Unit (PSI). - PSV Poise. - PTL Particles per Liter (Part/Liter). - PWF Particles per Wafer (particles/wf). - QML Kilomol (kmol).

Table 6.2: Universal Code List Changes

#	Description of Changes
	<ul style="list-style-type: none"> - RLU Relative Light Unit (RLU). - RPM Revolutions per Minute (Revs/min). - SCL Scales. - SIE Siemens per Meter (Siemens/m). - STP Steps. - STU Stabilizer Units (SU). - SVU Say Bolt Viscosity Units (SVU). - TAR Target pieces (target). - TM3 1/Cubic Meter (1/m³). - TOM Ton per Cubic Meter (t/m³). - TPT Pass Test (Pass). - VAL VO mat. (Value). - VAP Voltampere (VA). - VHN Vickers Micro-Hardness (VHN10). - VMP Molar %. - VPB Volume Parts per Billion (ppb(V)). - VPC Percent Volume (%(V)). - VPM Volume Parts per Million (ppm(V)). - VPR Per Mille Volume (%O(V)). - VPT Volume parts per Trillion (ppt(V)). - WPT Parts Per Trillion by Weight (pptw). <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>
3	<p>CODE LIST: Universal::CodeList::RN_WeightType</p> <p>ACTION: Modify</p> <p>CHANGE(s):</p> <p>(1) Add new code list entity instances:</p> <ul style="list-style-type: none"> - EXA - Exact Net. - NOM - Customs Nominal Net. - CLF - Tare. <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	CLASS: System::StandardDocumentHeader ACTION: Modify CHANGE(s): (1) Impacted domain due to changes in Universal domain BUSINESS REQUIREMENT(s): To standardize the business requirement. Previous Version: V11.00.00 New Version: V11.01.00

Table 7.2: System Code List Changes

#	Description of Changes
	-NIL-