|  |
| --- |
| External B2B Request for Hubs  RosettaNet  Initial Business Requirements (IBR) |

ClearQuest case number (to be added by Micron):

The purpose of this questionnaire is to provide the required details for an electronic connection with Micron. *Please provide as much information as possible when completing this questionnaire.*

TRADING PARTNER INFORMATION

Trading Partner Name:

Are you a current or former Micron trading partner?

Do you currently have B2B / EDI capabilities?

|  |  |
| --- | --- |
| Trading Partner Business Contact: | |
| *Name:* |  |
| *Title:* |  |
| *Phone number:* |  |
| *Email:* |  |

|  |  |
| --- | --- |
| Trading Partner B2B / EDI Technical Contact: | |
| *Name:* |  |
| *Title:* |  |
| *Phone number:* |  |
| *Email:* |  |

Trading Partner Sender / Receiver IDs\*

|  |  |
| --- | --- |
|  | |
| EDI ID’s | Sender/Receiver IDs |
| Trading Partner  Test ID’s  \*required | Please supply the following:  DUNS number: \_\_\_\_\_\_\_\_\_\_ |
| Trading Partner  Production ID’s  \* required | Please supply the following:  DUNS number: \_\_\_\_\_\_\_\_\_\_ |
| *Micron’s DUNS Number* | *093120871* |

Method of Data Transport:

|  |  |  |
| --- | --- | --- |
| Point-to-Point Protocol | | Supporting Information:  *Please supply URL, IP address, Certificate info, etc…* |
|  | **HTTP/HTTPS** |  |
|  | Other (describe): |  |

Identify transactions being requested for exchange with Micron:

|  |  |  |
| --- | --- | --- |
| RosettaNet  ~ Micron is not limited to the following transactions ~  Please list the PIPs your company wants to implement with Micron  *\*RosettaNet PIPs RNIF 2.0:*  *3A4 (Request Purchase Order) 3B2 (Notify of Advance Shipment)*  *3A7 (Notify of Purchase Order Update) 4B2 (Notify of Shipment Receipt)*  *i3A8 (Request Purchase Order Change) 4B3 (Notify of Consumption)*  *\*Hubs require inventory snapshot (daily), receipts, and pulls* | | |
| PIP | Version | Comments |
| *3A4* | *3.3* | *example #1* |
| *4B2 (Notify of Shipment Receipt)* |  |  |
| *4B3 (Notify of Consumption)* |  |  |
| *4C1 (Inventory Snapshot)* |  |  |

EDI setup forms or specifications for the PIPs:

|  |  |
| --- | --- |
| Documentation type: | *Link or document* |
| Implementation guides |  |
| Sample data \*required (one for each transaction requested) |  |
| Specifications \*required (one for each transaction requested) |  |
| Other |  |

**Functional Documentation by Transaction**

[Goods Receipt](#Goods_Receipt_Functional)

[Inventory Advice](#Inventory_Functional)

[Product Pull](#ASN_Functional)

**RosettaNet Specification Documentation by Transaction**

[Goods Receipt](#Goods_Receipt)

[Inventory Advice](#Inventory_Report)

Product Pull

* [Advanced Ship Notification Inbound](#ASN_Inboound)
* [Advanced Ship Notification Outbound](#ASN_Outbound)

**Goods Receipt Functional Specification**

Micron requires a goods receipt transmission for every shipment received into each hub stockpile. We prefer to receive this data as near real-time as possible. Receiving real-time goods receipt information allows us to ensure that the current goods movement status in our ERP system best matches the current real status of the physical goods within each hub stockpile.

The Goods Receipt data can be sent to the Micron system using, in order of preference, the X12 (861), EDIFACT (RECADV) or RosettaNet (4B2) standards. If one of these electronic standards cannot be used, then an alternate data exchange tool like Micron’s proprietary Hub Inventory Tracking System (HITS) will need to be utilized.

The exact technical requirements for the Inventory Advice transmission are included in our provided B2B specifications document. That document includes the specific fields required for the given standard transaction. The data fields required for a goods receipt transmission are as follows:

* Micron requires a unique number identifying the shipment being received. The number passed to us in the goods receipt transmission should be the Micron delivery number for the shipment being received. This allows us to effectively match our outbound shipment information with the hub provider’s inbound receipt.
* Micron requires a warehouse code to uniquely identify both ship-from location and warehouse stockpile. This means that if material stockpiles for multiple customers are being stored at the same ship-from location, there needs to be a unique warehouse code sent to identify each customer’s stockpiled inventory and its associated goods receipt.
* Both the customer part number and the Micron part number need to be transmitted for each goods receipt.
* Micron also requires the quantity of each material received and accepted into the stockpile, and the date and time goods were received into the system.

Micron strongly prefers to receive box number information on the boxes being received into and shipped out of the stockpile. While this is optional data in the goods receipt transmission, we highly encourage our hub providers to send this data if capable. Having this data allows Micron to better tell which individual boxes remain in a stockpile location, which can be very important for tracking quality issues, product age, mis-ships, and any other issues.

|  |  |  |  |
| --- | --- | --- | --- |
| 861 |  |  |  |
| Data | Location | Element | Notes |
| Shipment ID Number | REF-02 | 127 | Where REF-01="SI" |
| Warehouse Code | N1-04 | 67 | Where N1-01="ST" |
| Customer Part Number | LIN-05 | 234 | Where LIN-04="BP" |
| Micron Part Number | LIN-03 | 234 | Where LIN-02="VP" |
| Quantity Received | RCD-02 | 663 |  |
| Box Number | MAN-02 | 87 | Where MAN-01="CA" |

|  |  |  |  |
| --- | --- | --- | --- |
| RECADV |  |  |  |
| Data | Location | Element | Notes |
| Shipment ID Number | BGM-02:02 | 1004 |  |
| Warehouse Code | NAD-02:02 | 3039 | Where NAD-01="WH" |
| Customer Part Number | LIN-02:01 | 7140 | Where LIN-02:02="BP" |
| Micron Part Number | PIA-02:01 | 7140 | Where PIA-02:02="VP" |
| Quantity Received | QTY-01:03 | 6060 | Where QTY-01:02="48" |
| Box Number | RFF-01:02 | 1154 | Where REF-01:01="SRN" |

|  |  |
| --- | --- |
| 4B2 |  |
| Data | Location |
| Shipment ID Number | thisDocumentIdentifier.ProprietaryDocumentIdentifier |
| Warehouse Code | ShipmentReceiptInformationResource -> receivedBy.PartnerDescription -> BusinessDescription -> PartnerBusinessIdentification -> ProprietaryBusinessIdentifier |
| Customer Part Number | ShipmentReceiptInformationResource -> ShipmentReceiptNotificationLineItem -> ProductIdentification -> PartnerProductIdentification |
| Micron Part Number | ShipmentReceiptInformationResource -> ShipmentReceiptNotificationLineItem -> ProductIdentification -> GlobalProductIdentifier |
| Quantity Received | ShipmentReceiptInformationResource -> ShipmentReceiptNotificationLineItem -> QuantityInformation -> acceptedQuantity.ProductQuantity |
| Box Number | ShipmentReceiptInformationResource -> ShipmentReceiptNotificationLineItem -> ManufacturerProfile -> receivedProductSerialNumber.ProprietarySerialIdentifier |

Please contact the Micron EDI team at [EDI@micron.com](mailto:EDI@micron.com) if there are questions regarding this document or regarding the included transaction specifications document.

**Inventory Advice Functional Specification**

Micron requires an end of business inventory report each day for our hub stockpiles. Micron uses the Inventory Advice transaction to reconcile the reported consignment inventory with Micron’s systematic snapshot of inventory. The inventory data can be sent to the Micron system using, in order of preference, the X12 (846), EDIFACT (INVRPT) or RosettaNet (4C1) standards. If one of these electronic standards cannot be used, then an alternate data exchange tool like Micron’s proprietary Hub Inventory Tracking System (HITS) will need to be utilized.

Micron requires one inventory snapshot send containing end-of-day inventory quantities for all materials within a single EDI GS/GE or UNB/UNZ looping structure, or in an individual RosettaNet PIP. This ensures that we can effectively match inventory and goods movement data up with a single end-of-day snapshot.

The exact technical requirements for the Inventory Advice transmission are included in our provided B2B specifications document. That document includes the specific fields required for the given standard transaction. The data fields required for an inventory transmission are as follows:

* Micron requires a warehouse code to uniquely identify both ship-from location and warehouse stockpile. This means that if material stockpiles for multiple customers are being stored at the same ship-from location, there needs to be a unique warehouse code sent to identify each individual customer’s stockpiled inventory.
* Both the customer part number and the Micron part number need to be transmitted for each inventory line.
* Micron also requires that the current summed quantity on hand at the time of the inventory snapshot be included for each material.

|  |  |  |  |
| --- | --- | --- | --- |
| 846 |  |  |  |
| Data | Location | Element | Notes |
| Warehouse Code | N1-04 | 67 | Where N1-04="WH" |
| Customer Part Number | LIN-03 | 234 | Where LIN-02="BP" |
| Micron Part Number | LIN-05 | 234 | Where LIN-04="VP" |
| Quantity On Hand | QTY-02 | 380 | Where QTY-01="17" |

|  |  |  |  |
| --- | --- | --- | --- |
| INVRPT |  |  |  |
| Data | Location | Element | Notes |
| Warehouse Code | NAD-02:02 | 3039 | Where NAD-01="WH" |
| Customer Part Number | LIN-02:01 | 7140 | Where LIN-02:02="BP" |
| Micron Part Number | PIA-02:01 | 7140 | Where PIA-02:02="VP" |
| Quantity On Hand | QTY-01:03 | 6060 | Where QTY-01:02="17" |

|  |  |
| --- | --- |
| 4C1 |  |
| Data | Location |
| Warehouse Code | Inventory Report -> inventoryLocation.PartnerDescription -> BusinessDescription -> PartnerBusinessIdentification -> ProprietaryBusinessIdentifier |
| Customer Part Number | Inventory Report -> InventoryReportLineItem -> ProductIdentification -> PartnerProductIdentification -> ProprietaryProductIdentifier |
| Micron Part Number | Inventory Report -> InventoryReportLineItem -> ProductIdentification -> GlobalProductIdentifier |
| Quantity On Hand | Inventory Report -> InventoryReportLineItem -> ProductIdentification |

Please contact the Micron EDI team at [EDI@micron.com](mailto:EDI@micron.com) if there are questions regarding this document or regarding the included transaction specifications document.

**Product Pull (Ship Notice) Functional Specification**

Micron requires a product pull transmission for every consumption of Micron product pulled out of each hub stockpile. We prefer to receive this data as near real-time as possible. Receiving real-time product pull information allows Micron to ensure that the current goods movement status in our ERP system best matches the current real status of the physical goods within each hub stockpile.

The product pull data can be sent to the Micron system using, in order of preference, the X12 (856), EDIFACT (DESADV) or RosettaNet (3B2) standards. If one of these electronic standards cannot be used, then an alternate data exchange tool like Micron’s proprietary Hub Inventory Tracking System (HITS) will need to be utilized.

The exact technical requirements for the product pull transmission are included in our provided B2B specifications document. That document includes the specific fields required for the given standard transaction. The data fields required for a product pull transmission are as follows:

* Micron requires a unique pull reference number identifying the consumption. Alternatively, this may be a discrete purchase order number provided by the customer. This number will be tracked and referenced on the customer invoice associated with the consumption.
* Micron requires a warehouse code to uniquely identify both ship-from location and warehouse stockpile. This means that if material stockpiles for multiple customers are being stored at the same ship-from location, there needs to be a unique warehouse code sent to identify each customer’s stockpiled inventory and its associated product pull.
* Both the customer part number and the Micron part number need to be transmitted for each product pull.
* Micron requires the quantity of each material being shipped out of the stockpile, in addition to the date of the consumption.
* Micron requires the customer’s purchase order number. This information allows Micron to match up a given product pull with the sales order document and customer invoice in the Micron system.
* Micron requires any packing slip number included in the shipment to the customer be transmitted to the Micron system in the product pull for that shipment.

Micron would like to receive carrier details, if available so that our team can best track how specific shipping methods impact the customer’s goods receipt timing.

Micron would like to receive box number information on the boxes being shipped out of and received into the stockpile. While this is optional data in the product pull transmission, we highly encourage our hub providers to send this data if capable. Having this data allows Micron to better tell which individual parts remain in a stockpile location, which can be very important for tracking quality issues, product age, mis-ships, and any other issues.

|  |  |  |  |
| --- | --- | --- | --- |
| 856 |  |  |  |
| Data | Location | Element | Notes |
| Unique Pull Reference | BSN-02 | 353 |  |
| Warehouse Code | N1-04 | 67 | Where N1-01="SF" |
| Customer Part Number | LIN-05 | 234 | Where LIN-04="BP" |
| Micron Part Number | LIN-03 | 234 | Where LIN-02="VP |
| Quantity Shipped | SN1-02 | 382 |  |
| Consumption Date | DTM-02 | 373 | Where DTM-01="011" |
| Customer PO Number | PRF-01 | 324 |  |
| Packing Slip Number | REF-02 | 127 | Where REF-01="BM" |
| Transportation Method | TD5-03 | 67 | Where TD5-01="B" |
| Box Number | REF-02 | 127 | Where REF-01="SE" |

|  |  |  |  |
| --- | --- | --- | --- |
| DESADV |  |  |  |
| Data | Location | Element | Notes |
| Unique Pull Reference | BGM-02:02 | 1004 |  |
| Warehouse Code | NAD-02:02 | 3039 | Where NAD-01="WH" |
| Customer Part Number | LIN-02:01 | 7140 | Where LIN-02:02="BP" |
| Micron Part Number | PIA-02:01 | 7140 | Where PIA-02:02="VP" |
| Quantity Shipped | QTY-01:03 | 6060 | Where QTY-01:02="12" |
| Consumption Date | DTM-01:02 | 2380 | Where DTM-01:02="11" |
| Customer PO Number | RFF-01:02 | 1154 | Where REF-01:01="BE" |
| Packing Slip Number | RFF-01:02 | 1154 | Where REF-01:01="CO" |
| Transportation Method | TDT:03:01 | 3127 |  |
| Box Number | RFF-01:02 | 1154 | Where REF-01:01="SRN" |

|  |  |
| --- | --- |
| 3B2 |  |
| Data | Location |
| Unique Pull Reference | AdvancedShipmentNotification -> thisDocumentIdentifier.ProprietaryDocumentIdentifier |
| Warehouse Code | AdvancedShipmentNotification -> OriginatingPartner -> shipFrom.PartnerDescription -> BusinessDescription -> GlobalBusinessIdentifier |
| Customer Part Number | AdvancedShipmentNotification -> Shipment -> ShippingContainer -> ShippingContainerItem -> ProductIdentification -> PartnerProductIdentification -> ProprietaryProductIdentifier |
| Micron Part Number | AdvancedShipmentNotification -> Shipment -> ShippingContainer -> ShippingContainerItem -> ProductIdentification -> GlobalProductIdentifier |
| Quantity Shipped | AdvancedShipmentNotification -> Shipment -> ShippingContainer -> ShippingContainerItem -> shippedQuantity.ProductQuantity |
| Consumption Date | AdvancedShipmentNotification -> Shipment -> ShipmentTransportationEvent -> DateStamp |
| Customer PO Number | AdvancedShipmentNotification -> Shipment -> ShippingContainer -> TrackingReference -> ProprietaryShipmentTrackingIdentifier |
| Packing Slip Number | AdvancedShipmentNotification -> Shipment -> ShippingContainer -> TrackingReference -> ProprietaryShipmentTrackingIdentifier |
| Transportation Method | AdvancedShipmentNotification -> Shipment -> ShippingContainer -> transportedBy.PartnerDescription -> BusinessDescription -> PartnerBusinessIdentification -> ProprietaryBusinessIdentifier |
| Box Number | AdvancedShipmentNotification -> Shipment -> ShippingContainer -> ShippingContainerItem -> shippingContainerItemIdentifier.ProprietarySerialIdentifier |

Please contact the Micron EDI team at [EDI@micron.com](mailto:EDI@micron.com) if there are questions regarding this document or regarding the included transaction specifications document.

Goods Receipt Notification

|  |  |  |
| --- | --- | --- |
| 1 | 1 | fromRole.PartnerRoleDescription |
| 2 | 1 | |-- ContactInformation |
| 3 | 1 | |    |-- contactName.FreeFormText |
| 4 | 1 | |    |-- EmailAddress |
| 5 | 0..1 | |    |-- facsimileNumber.CommunicationsNumber |
| 6 | 1 | |    |-- telephoneNumber.CommunicationsNumber |
| 7 | 1 | |-- GlobalPartnerRoleClassificationCode |
| 8 | 1 | |-- PartnerDescription |
| 9 | 1 | |    |-- BusinessDescription |
| 10 | 1 | |    |    |-- GlobalBusinessIdentifier |
| 11 | 0..1 | |    |    |-- GlobalSupplyChainCode |
| 12 | 1 | |    |-- GlobalPartnerClassificationCode |
| 13 | 1 | GlobalDocumentFunctionCode |
| 14 | 1..n | ShipmentReceiptInformationResource |
| 15 | 1 | |-- containerTotalCount.CountableAmount |
| 16 | 0..1 | |-- freightReference.ProprietaryDocumentIdentifier |
| 17 | 1 | |-- receiptDate.DateTimeStamp |
| 18 | 0..1 | |-- receivedBy.PartnerDescription |
| 19 | 1 | |    |-- BusinessDescription |
| 20 | 0..1 | |    |    |-- businessName.FreeFormText |
| 21 | 0..1 | |    |    |-- GlobalBusinessIdentifier |
| 22 | 0..n | |    |    |-- PartnerBusinessIdentification |
| 23 | 1 | |    |    |    |-- ProprietaryBusinessIdentifier |
| 24 | 1 | |    |    |    |-- ProprietaryDomainIdentifier |
| 25 | 0..1 | |    |    |    |-- ProprietaryIdentifierAuthority |
| 26 | 0..1 | |    |-- ContactInformation |
| 27 | 1 | |    |    |-- contactName.FreeFormText |
| 28 | 1 | |    |    |-- EmailAddress |
| 29 | 0..1 | |    |    |-- facsimileNumber.CommunicationsNumber |
| 30 | 0..1 | |    |    |-- telephoneNumber.CommunicationsNumber |
| 31 | 1 | |    |-- GlobalPartnerClassificationCode |
| 32 | 0..1 | |    |-- PhysicalLocation |
| 33 | 0..1 | |    |    |-- GlobalLocationIdentifier |
| 34 | 0..n | |    |    |-- PartnerLocationIdentification |
| 35 | 1 | |    |    |    |-- ProprietaryDomainIdentifier |
| 36 | 0..1 | |    |    |    |-- ProprietaryIdentifierAuthority |
| 37 | 1 | |    |    |    |-- ProprietaryLocationIdentifier |
| 38 | 0..1 | |    |    |-- PhysicalAddress |
| 39 | 0..1 | |    |    |    |-- addressLine1.FreeFormText |
| 40 | 0..1 | |    |    |    |-- addressLine2.FreeFormText |
| 41 | 0..1 | |    |    |    |-- addressLine3.FreeFormText |
| 42 | 0..1 | |    |    |    |-- cityName.FreeFormText |
| 43 | 0..1 | |    |    |    |-- GlobalCountryCode |
| 44 | 0..1 | |    |    |    |-- NationalPostalCode |
| 45 | 0..1 | |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 46 | 0..1 | |    |    |    |-- regionName.FreeFormText |
| 47 | 0..1 | |-- receivedFrom.PartnerDescription |
| 48 | 1 | |    |-- BusinessDescription |
| 49 | 0..1 | |    |    |-- businessName.FreeFormText |
| 50 | 0..1 | |    |    |-- GlobalBusinessIdentifier |
| 51 | 0..n | |    |    |-- PartnerBusinessIdentification |
| 52 | 1 | |    |    |    |-- ProprietaryBusinessIdentifier |
| 53 | 1 | |    |    |    |-- ProprietaryDomainIdentifier |
| 54 | 0..1 | |    |    |    |-- ProprietaryIdentifierAuthority |
| 55 | 0..1 | |    |-- ContactInformation |
| 56 | 1 | |    |    |-- contactName.FreeFormText |
| 57 | 1 | |    |    |-- EmailAddress |
| 58 | 0..1 | |    |    |-- facsimileNumber.CommunicationsNumber |
| 59 | 0..1 | |    |    |-- telephoneNumber.CommunicationsNumber |
| 60 | 1 | |    |-- GlobalPartnerClassificationCode |
| 61 | 0..1 | |    |-- PhysicalLocation |
| 62 | 0..1 | |    |    |-- GlobalLocationIdentifier |
| 63 | 0..n | |    |    |-- PartnerLocationIdentification |
| 64 | 1 | |    |    |    |-- ProprietaryDomainIdentifier |
| 65 | 0..1 | |    |    |    |-- ProprietaryIdentifierAuthority |
| 66 | 1 | |    |    |    |-- ProprietaryLocationIdentifier |
| 67 | 0..1 | |    |    |-- PhysicalAddress |
| 68 | 0..1 | |    |    |    |-- addressLine1.FreeFormText |
| 69 | 0..1 | |    |    |    |-- addressLine2.FreeFormText |
| 70 | 0..1 | |    |    |    |-- addressLine3.FreeFormText |
| 71 | 0..1 | |    |    |    |-- cityName.FreeFormText |
| 72 | 0..1 | |    |    |    |-- GlobalCountryCode |
| 73 | 0..1 | |    |    |    |-- NationalPostalCode |
| 74 | 0..1 | |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 75 | 0..1 | |    |    |    |-- regionName.FreeFormText |
| 76 | 0..1 | |-- shipmentIdentifier.ProprietaryReferenceIdentifier |
| 77 | 1..n | |-- ShipmentReceiptNotificationLineItem |
| 78 | 0..n | |    |-- DocumentSubLineReference |
| 79 | 1 | |    |    |-- GlobalDocumentReferenceTypeCode |
| 80 | 1 | |    |    |-- LineNumber |
| 81 | 1 | |    |    |-- ProprietaryDocumentIdentifier |
| 82 | 0..n | |    |    |-- subLineNumber.LineNumber |
| 83 | 0..n | |    |    |-- subLineSchedule.DateStamp |
| 84 | 1 | |    |-- GlobalProductUnitOfMeasureCode |
| 85 | 0..n | |    |-- LotReference |
| 86 | 0..1 | |    |    |-- expiryDate.DateStamp |
| 87 | 0..1 | |    |    |-- GlobalLotDiscrepancyReasonCode |
| 88 | 1 | |    |    |-- receivedLot.ProprietaryLotIdentifier |
| 89 | 1 | |    |    |-- receivedLotQuantity.ProductQuantity |
| 90 | 0..n | |    |-- ManufacturerProfile |
| 91 | 0..1 | |    |    |-- countryOfOrigin.GlobalCountryCode |
| 92 | 0..1 | |    |    |-- manufactureDate.DateStamp |
| 93 | 0..1 | |    |    |-- receivedProductSerialNumber.ProprietarySerialIdentifier |
| 94 | 1 | |    |-- ProductIdentification |
| 95 | 0..1 | |    |    |-- GlobalProductIdentifier |
| 96 | 0..n | |    |    |-- PartnerProductIdentification |
| 97 | 1 | |    |    |    |-- GlobalPartnerClassificationCode |
| 98 | 1 | |    |    |    |-- ProprietaryProductIdentifier |
| 99 | 0..1 | |    |    |    |-- revisionIdentifier.FreeFormText |
| 100 | 1 | |    |-- QuantityInformation |
| 101 | 1 | |    |    |-- acceptedQuantity.ProductQuantity |
| 102 | 1 | |    |    |-- receivedQuantity.ProductQuantity |
| 103 | 0..1 | |    |-- ShipmentReceiptDiscrepancyInformation |
| 104 | 1 | |    |    |-- GlobalReceivingDiscrepancyCode |
| 105 | 1 | |    |    |-- GlobalReceivingDiscrepancyReasonCode |
| 106 | 1 | |-- shipmentReceiptReportDateTime.DateTimeStamp |
| 107 | 0..n | |-- TrackingReference |
| 108 | 1 | |    |-- GlobalTrackingReferenceTypeCode |
| 109 | 1 | |    |-- ProprietaryShipmentTrackingIdentifier |
| 110 | 0..1 | |-- transportedBy.PartnerCompanyDescription |
| 111 | 1 | |    |-- BusinessDescription |
| 112 | 0..1 | |    |    |-- businessName.FreeFormText |
| 113 | 0..1 | |    |    |-- GlobalBusinessIdentifier |
| 114 | 0..n | |    |    |-- PartnerBusinessIdentification |
| 115 | 1 | |    |    |    |-- ProprietaryBusinessIdentifier |
| 116 | 1 | |    |    |    |-- ProprietaryDomainIdentifier |
| 117 | 0..1 | |    |    |    |-- ProprietaryIdentifierAuthority |
| 118 | 1 | |    |-- GlobalPartnerClassificationCode |
| 119 | 1 | thisDocumentGenerationDateTime.DateTimeStamp |
| 120 | 1 | thisDocumentIdentifier.ProprietaryDocumentIdentifier |
| 121 | 1 | toRole.PartnerRoleDescription |
| 122 | 0..1 | |-- ContactInformation |
| 123 | 1 | |    |-- contactName.FreeFormText |
| 124 | 1 | |    |-- EmailAddress |
| 125 | 0..1 | |    |-- facsimileNumber.CommunicationsNumber |
| 126 | 1 | |    |-- telephoneNumber.CommunicationsNumber |
| 127 | 1 | |-- GlobalPartnerRoleClassificationCode |
| 128 | 1 | |-- PartnerDescription |
| 129 | 1 | |    |-- BusinessDescription |
| 130 | 1 | |    |    |-- GlobalBusinessIdentifier |
| 131 | 0..1 | |    |    |-- GlobalSupplyChainCode |
| 132 | 1 | |    |-- GlobalPartnerClassificationCode |

**Guideline Information**

|  |  |
| --- | --- |
| **ContactInformation** | **Lines: 2 26 55 122** |
| **Constraint:** At least one occurrence of "EmailAddress" or "telephoneNumber" is required. |  |

|  |  |
| --- | --- |
| **GlobalPartnerRoleClassificationCode** | **Lines: 7 127** |
| **Constraint:** Only GlobalPartnerRoleClassificationCode equal to Consignee is allowed. | 7 |
| **Constraint:** Only GlobalPartnerRoleClassificationCode equal to Shipment Information User is allowed. | 127 |
| **Entity Instances** | |
| Account Supplier | Any trading partner that buys or sells products/services from customers and/or vendors. |
| Account User | Any trading partner that requires an account to buy or sell products/services. |
| Anonymous Buyer | A requestor of information that chooses to remain anonymous. |
| Appointment Provider | The stakeholder(s) in the shipment delivery activity. |
| Authorized Service Provider | The Service Provider authorized by an OEM to perform service on a unit. |
| Authorizer | The partner role that provides product authorization, from a product owner or manufacturer, for a reselling organization to resell a product. |
| Buyer | An employee or organization that buys products for a partner type in the supply chain. |
| Catalog Distributor | The partner role that distributes catalog information to catalog producers and buyers. |
| Catalog Producer | The partner role that produces catalog information for a partner type in the supply chain. |
| Change Requester | A party who has an interest in requesting a review of a possible change to the component. The requester may be any party including customers and suppliers. |
| Change Review Forum | A party who has responsibility for the review of Engineering Change Requests and the drafting and review of Engineering Change Orders. The Change Review Forum is assumed to be at the company that has responsibility for the engineering aspects of the component affected by the change. |
| Claim Requester | The owner of the shipments who is responsible for the intact delivery. |
| Consignee | The receiver of the shipment. |
| Consumption Notification Provider | Trading Partner role responsible for sending the notification of material consumption by a production location |
| Consumption Notification User | Trading Partner role responsible for receiving and processing the notification of material consumption thereby invoicing the customer for consumed material |
| Credit Provider | This partner role is responsible for providing credit information about potential customers. |
| Credit Reference Requester | This partner role is responsible for requesting credit information about potential customers. |
| Customer | This partner role creates a demand for a product or service. |
| Customer Manager | This partner role manages the relationship with the business customers. |
| Decision Stakeholder | The party (such as suppliers, customers and others) who is responsible for the review and approval of the Engineering Change Approval Request. The stakeholders may be from multiple organizations. |
| Delivery Appointment Provider | A party that receives a request for a change to a previously scheduled delivery appointment. |
| Delivery Appointment Requester | A party that requests a change to a previously scheduled delivery appointment. |
| Demand Creator | The partner role that identifies the opportunity, submits design registration, provides engineering support to advance the opportunity towards design win, and generates revenue by satisfying customer demand for a product. |
| Design Engineering Information Receiver | This partner role uses technical information for updating enterprise databases (such as electronic catalog systems), design or test engineering, and manufacturing. |
| Design Engineering Information Sender | This partner role distributes the design engineering information of the agreed types in the agreed amounts at the agreed times. |
| Exception Identifier | The party/organization that monitors and identifies exceptions based on predefined exception criteria and sends notifications of the identified exceptions. In a collaborative forecasting process, the Exception Definer may be the Forecast Owner, Forecast Recipient, Forecast Reply Recipient and/or an external party. |
| Exception Recipient | The party/organization requiring visibility to an exception and receiving notifications on the identified exceptions. In a collaborative forecasting process, the Exception Recipient may be the Forecast Owner, Forecast Recipient and/or Forecast Reply Recipient. The Exception Identifier may send a notification for a specific exception to multiple Exception Recipients. |
| Failure Report Administrator | An employee or organizational entity that receives and processes PIP Failure Notifications. |
| Financing Processor | The organization that processes the request for financing. |
| Forecast Owner | The party/organization that monitors and identifies exceptions based on predefined exception criteria and sends notifications of the identified exceptions. In a collaborative forecasting process, the Exception Identifier may be the Forecast Owner, Forecast Recipient, Forecast Reply Recipient and/or an external party. |
| Forecast Recipient | The party that receives a strategic or order forecast. |
| Forecast Reply Recipient | The party that receives a forecast reply. The Recipient can be the original forecast owner or other forecast partner (Please refer to the GlobalPartnerClassificationCode). |
| Implementation Plan Creator | The partner role that creates, maintains and manages an implementation plan associated with an Engineering Change Order. |
| Initiator | The party that starts the data exchange. |
| Integrator | The organization responsible for the production of the product. Change requests are communicated back to the Qualification Owner. |
| In-transit Information User | The party who receives shipment status information. |
| Inventory Information Provider | An organization that owns or holds inventory and provides information about this inventory to partners in the supply chain. This may be a distributor, contract manufacturer, supplier or OEM reporting inventory that they hold and/or own. |
| Inventory Information User | An employee or organizatrion that uses information about inventory. |
| Invoice Provider | The organization that generates the invoice. |
| Invoice Receiver | The organization being invoiced. |
| Invoice Reject Provider | The organization that rejects an invoice. |
| Invoice Reject Receiver | The organization being issued an Invoice Reject Notification. |
| Marketing Activity Information User | The party who uses information about Marketing Activities. This party might include distributors, and retail operations. |
| Marketing Activity Initiator | The partner role that distributes information about marketing activities being sponsored by the organization. |
| Material Release Information Provider | Trading Partner role responsible for triggering release of materials to a delivery location |
| Material Release Information User | Trading Partner role responsible for receiving trigger to release material to a delivery location and shipping material to delivery location |
| Payee | The party receiving a payment. |
| Payer | The party issuing a payment. |
| PIP Failure Notifier | An organizational process that automatically notifies the appropriate Failure Report Administrator of a PIP process failure. |
| Product Distributor | The party authorized by a Product Supplier to purchase goods and services from the Product Supplier and resell to customers. |
| Product Information Distributor | The partner role that distributes new product information to product information users and buyers. |
| Product Information Subscriber | The business partner that subscribes to product information from other business partners. |
| Product Information User | The partner role that uses product information to create or update enterprise systems and online promotion systems such as electronic catalog systems. |
| Product Provider | The partner role that creates a differentiated product, owns the registration process and creates a list of eligible products for use in design registration. |
| Product Supplier | This partner role supplies product to customers in the supply chain. |
| Qualification Owner | The organization responsible for the qualification of manufacturers and suppliers of parts for the product. The Qualification Owner defines and maintains the AML for the product. |
| Quality Data Provider | The party responsible for sending the Repair Quality Data. The Provider, through various means, learns of product or product component defect(s). |
| Quality Data User | The party who receives the repair and/or test data. The User analyzes the data and incorporates findings into its business model. |
| Receiver | The intended recipient of products or business information. The Receiver may verify receipt if prescribed. |
| Responder | The party that replies to the initiators message. |
| Return Provider | The party responsible for authorizing and/or processing the return. |
| Return Receiver | A third-party or warehousing operation responsible for receiving returns, inspecting the package contents and comparing to the issued RMA to assure the contents are what was authorized on the RMA. |
| Return Requester | Any party wishing to return a product. This role could be played by a large end-user such as the Government Services Administration (GSA), a distributor, or a reseller. |
| Sales Facilitator | This partner role facilitates the sale of product between partners in the supply chain. |
| Sales Lead Originator | The party assigning a sales lead to another party. |
| Sales Lead Processor | The party who receives the sales lead. This party is responsible for accepting or rejecting the lead, and if accepted, reports the status of the lead. |
| Sales Marketing Claim Processor | The partner role that processes the claim and/or remits compensation to the Sales Marketing Claimant. |
| Sales Marketing Claimant | The partner role that requests reimbursement from a Sales Marketing Claim Processor. |
| Sales Marketing Program Reimbursement Recipient | The partner role that receives status on a previously submitted sales marketing claim, or who receives reimbursement without submitting a claim. |
| Sales Marketing Program Reimburser | The partner role that is currently processing a sales marketing claim, (or providing a payment without a claim submitted) and who provides information on the status of the claim processing. |
| Self-Billing Invoice Provider | The party that generates the self-billing invoice plus being invoiced. It can re-issue the self-billing invoice. |
| Self-Billing Invoice Receiver | The organization that provides the services or goods. The organization that receives the payment. |
| Seller | An organization that sells products to partners in the supply chain. |
| Service Provider | A provider that performs a service such as repair, diagnose, maintain, install or remove on a unit. |
| Shipment Information User | The party who receives shipment status information. |
| Shipment Requester | The party requesting transportation services. |
| ShipmentController | The party who is authorized to make decisions regarding a shipment while in-transit. |
| Shipper | The party who relinquishes (assigns) a shipment to a transport service provider. |
| Shipping Provider | The organization responsible for performing the shipping logistics for the Shipper. The Shipping Provider ships products from one location to another as requested by the shipping order and informs the Shipper when the shipment has been sent. |
| Solution Provider | The party that may architect, configure, engineer, sell, or determine the fulfillment of the configured solution to partners in the supply chain. |
| Solution Requester | This party that creates a demand for a product or service, or has contracted with a Solution Provider for the manufacture or fulfillment of a product(s). |
| Specification Provider | The partner role that creates or passes on manufacturing specifications. This may be a Solution Provider, an OEM who is sub-contracting manufacturing tasks like fabrication or assembly, or another party. |
| Specification User | The partner role that uses a manufacturing specification. This might be a sub-contract assembler or fabricator. |
| Stakeholder | The party that is required to implement an Engineering Change Order. The Stakeholder may include all levels of suppliers, customers or other parties. The Stakeholder may represent multiple organizations. The Stakeholder may draft and/or be responsible for completing tasks in an implementation plan. |
| Status Requester | The functional partner role, that could be a Product Provider, that creates a differentiated product, owns the registration process and creates a list of eligible products, or who is responsible for identifying the opportunity (that is, it could be a Demand Creator). |
| Status Responder | The organizational partner role, that could be a Product Provider, that creates a differentiated product, owns the registration process and creates a list of eligible products, or who is responsible for identifying the opportunity (that is, it could be a Demand Creator). |
| Supplier | This partner role supplies product to customers in the supply chain. |
| Tender Information User | The stakeholder(s) in the tendering activity. |
| Transport Service Provider | The party that provides transportation services for a Shipment Requester. |
| Warranty Provider | The provider who honors the warranty terms and reimburses the Authorized Service Provider for a service event performed under the terms of the warranty. |

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| **BusinessDescription** | **Lines: 9 19 48 111 129** |
| **Constraint:** At least one business identifier must be provided: "businessName", "GlobalBusinessIdentifier" or at least one entity in "PartnerBusinessIdentification". |  |

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| **GlobalSupplyChainCode** | **Lines: 11 131** |
| **Entity Instances** | |
| Electronic Components | The electronic components supply chain. |
| Information Technology | The information technology supply chain. |
| Semiconductor Manufacturing | The semiconductor manufacturing supply chain. |
| Telecommunication Industry | The telecommunication industry supply chain. |

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| **GlobalPartnerClassificationCode** | **Lines: 12 31 60 97 118 132** |
| **Entity Instances** | |
| Broker | Representative of a third party. |
| Carrier | Product carrier for transporting goods in supply chain. |
| Contract Manufacturer | The party responsible for the services rendered. |
| Customs Broker | Product customs broker in supply chain. |
| Distribution Center | Product distributor in supply chain. |
| Distributor | Product distributor in supply chain. |
| End User | Product end user in supply chain. |
| End User Government | End user government. |
| Financier | Financial service provider in supply chain |
| Freight Forwarder | Product freight forwarder for transporting goods in supply chain. |
| Manufacturer | Product manufacturer in supply chain. |
| Manufacturing Division | A separate unit of a manufacturer. |
| Original Equipment Manufacturer | Product manufacturer of original equipment in the supply chain. |
| Reseller | The party who buys goods from a manufacturer and resells them to customers unchanged. |
| Retailer | Product retailer in supply chain. |
| Service Provider | A provider of services such as repair, diagnoses, maintainence, installation or removal of a unit. |
| Shopper | Product shopper in supply chain. |
| Supplier | Used to identify a supplier’s part number or the model number of the product or service. |
| Warehouser | Product warehouser in supply chain. |

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| **GlobalDocumentFunctionCode** | **Lines: 13** |
| **Constraint:** Only GlobalDocumentFunctionCode equal to Request is allowed. |  |
| **Entity Instances** | |
| Request | The business document is a request for a business action to be performed by a partner. |
| Response | The business document is a response to a requesting partner. |

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| **PhysicalLocation** | **Lines: 32 61** |
| **Constraint:** At least one occurrence of "GlobalLocationIdentifier", "PartnerLocationIdentifier" or "PhysicalAddress" is required. |  |

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| **PhysicalAddress** | **Lines: 38 67** |
| **Constraint:** At least one associated element under PhysicalAddress is required, if "GlobalLocationIdentifier" or "PartnerLocationIdentifier" is not provided. |  |

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| **GlobalCountryCode** | **Lines: 43 72 91** |
| **Entity Instances** | |
| AD | ANDORRA |
| AE | UNITED ARAB EMIRATES |
| AF | AFGHANISTAN |
| AG | ANTIGUA AND BARBUDA |
| AI | ANGUILLA |
| AL | ALBANIA |
| AM | ARMENIA |
| AN | NETHERLANDS ANTILLES |
| AO | ANGOLA |
| AQ | ANTARCTICA |
| AR | ARGENTINA |
| AS | AMERICAN SAMOA |
| AT | AUSTRIA |
| AU | AUSTRALIA |
| AW | ARUBA |
| AX | ÅLAND ISLANDS |
| AZ | AZERBAIJAN |
| BA | BOSNIA AND HERZEGOVINA |
| BB | BARBADOS |
| BD | BANGLADESH |
| BE | BELGIUM |
| BF | BURKINA FASO |
| BG | BULGARIA |
| BH | BAHRAIN |
| BI | BURUNDI |
| BJ | BENIN |
| BL | SAINT BARTHELEMY |
| BM | BERMUDA |
| BN | BRUNEI DARUSSALAM |
| BO | BOLIVIA |
| BR | BRAZIL |
| BS | BAHAMAS |
| BT | BHUTAN |
| BV | BOUVET ISLAND |
| BW | BOTSWANA |
| BY | BELARUS |
| BZ | BELIZE |
| CA | CANADA |
| CC | COCOS (KEELING) ISLANDS |
| CD | CONGO, THE DEMOCRATIC REPUBLIC OF THE |
| CF | CENTRAL AFRICAN REPUBLIC |
| CG | CONGO |
| CH | SWITZERLAND |
| CI | CÔTE D'IVOIRE |
| CK | COOK ISLANDS |
| CL | CHILE |
| CM | CAMEROON |
| CN | CHINA |
| CO | COLOMBIA |
| CR | COSTA RICA |
| CS | SERBIA AND MONTENEGRO |
| CV | CAPE VERDE |
| CX | CHRISTMAS ISLAND |
| CY | CYPRUS |
| CZ | CZECH REPUBLIC |
| DE | GERMANY |
| DJ | DJIBOUTI |
| DK | DENMARK |
| DM | DOMINICA |
| DO | DOMINICAN REPUBLIC |
| DZ | ALGERIA |
| EC | ECUADOR |
| EE | ESTONIA |
| EG | EGYPT |
| EH | WESTERN SAHARA |
| ER | ERITREA |
| ES | SPAIN |
| ET | ETHIOPIA |
| FI | FINLAND |
| FJ | FIJI |
| FK | FALKLAND ISLANDS (MALVINAS) |
| FM | MICRONESIA, FEDERATED STATES |
| FO | FAROE ISLANDS |
| FR | FRANCE |
| GA | GABON |
| GB | UNITED KINGDOM |
| GD | GRENADA |
| GE | GEORGIA |
| GF | FRENCH GUIANA |
| GG | GUERNSEY |
| GH | GHANA |
| GI | GIBRALTAR |
| GL | GREENLAND |
| GM | GAMBIA |
| GN | GUINEA |
| GP | GUADELOUPE |
| GQ | EQUATORIAL GUINEA |
| GR | GREECE |
| GS | SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS |
| GT | GUATEMALA |
| GU | GUAM |
| GW | GUINEA-BISSAU |
| GY | GUYANA |
| HK | HONG KONG |
| HM | HEARD ISLAND AND MCDONALD ISLANDS |
| HN | HONDURAS |
| HR | CROATIA |
| HT | HAITI |
| HU | HUNGARY |
| ID | INDONESIA |
| IE | IRELAND |
| IL | ISRAEL |
| IM | ISLE OF MAN |
| IN | INDIA |
| IO | BRITISH INDIAN OCEAN TERRITORY |
| IQ | IRAQ |
| IS | ICELAND |
| IT | ITALY |
| JE | JERSEY |
| JM | JAMAICA |
| JO | JORDAN |
| JP | JAPAN |
| KE | KENYA |
| KG | KYRGYSTAN |
| KH | CAMBODIA |
| KI | KIRIBATI |
| KM | COMOROS |
| KN | SAINT KITTS AND NEVIS |
| KR | KOREA, REPUBLIC OF |
| KW | KUWAIT |
| KY | CAYMAN ISLANDS |
| KZ | KAZAKSTAN |
| LA | LAO PEOPLE'S DEMOCRATIC REPUBLIC |
| LB | LEBANON |
| LC | SAINT LUCIA |
| LI | LIECHTENSTEIN |
| LK | SRI LANKA |
| LR | LIBERIA |
| LS | LESOTHO |
| LT | LITHUANIA |
| LU | LUXEMBOURG |
| LV | LATVIA |
| LY | LIBYAN ARAB JAMAHIRIYA |
| MA | MOROCCO |
| MC | MONACO |
| MD | MOLDOVA, REPUBLIC OF |
| ME | MONTENEGRO |
| MF | SAINT MARTIN |
| MG | MADAGASCAR |
| MH | MARSHALL ISLANDS |
| MK | MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF |
| ML | MALI |
| MM | MYANMAR |
| MN | MONGOLIA |
| MO | MACAU |
| MP | NORTHERN MARIANA ISLANDS |
| MQ | MARTINIQUE |
| MR | MAURITANIA |
| MS | MONTSERRAT |
| MT | MALTA |
| MU | MAURITIUS |
| MV | MALDIVES |
| MW | MALAWI |
| MX | MEXICO |
| MY | MALAYSIA |
| MZ | MOZAMBIQUE |
| NA | NAMIBIA |
| NC | NEW CALEDONIA |
| NE | NIGER |
| NF | NORFOLK ISLAND |
| NG | NIGERIA |
| NI | NICARAGUA |
| NL | NETHERLANDS |
| NO | NORWAY |
| NP | NEPAL |
| NR | NAURU |
| NT | NEUTRAL ZONE |
| NU | NIUE |
| NZ | NEW ZEALAND |
| OM | OMAN |
| PA | PANAMA |
| PE | PERU |
| PF | FRENCH POLYNESIA |
| PG | PAPUA NEW GUINEA |
| PH | PHILIPPINES |
| PK | PAKISTAN |
| PL | POLAND |
| PM | SAINT PIERRE AND MIQUELON |
| PN | PITCAIRN |
| PR | PUERTO RICO |
| PS | PALESTINIAN TERRITORY, OCCUPIED |
| PT | PORTUGAL |
| PW | PALAU |
| PY | PARAGUAY |
| QA | QATAR |
| RE | REUNION |
| RO | ROMANIA |
| RS | SERBIA |
| RU | RUSSIAN FEDERATION |
| RW | RWANDA |
| SA | SAUDI ARABIA |
| SB | SOLOMON ISLANDS |
| SC | SEYCHELLES |
| SE | SWEDEN |
| SG | SINGAPORE |
| SH | SAINT HELENA |
| SI | SLOVENIA |
| SJ | SVALBARD AND JAN MAYEN ISLANDS |
| SK | SLOVAKIA |
| SL | SIERRA LEONE |
| SM | SAN MARINO |
| SN | SENEGAL |
| SO | SOMALIA |
| SR | SURINAME |
| ST | SAO TOME AND PRINCIPE |
| SV | EL SALVADOR |
| SZ | SWAZILAND |
| TC | TURKS AND CAICOS ISLANDS |
| TD | CHAD |
| TF | FRENCH SOUTHERN TERRITORIES |
| TG | TOGO |
| TH | THAILAND |
| TJ | TAJIKISTAN |
| TK | TOKELAU |
| TL | TIMOR-LESTE |
| TM | TURKMENISTAN |
| TN | TUNISIA |
| TO | TONGA |
| TP | EAST TIMOR |
| TR | TURKEY |
| TT | TRINIDAD AND TOBAGO |
| TV | TUVALU |
| TW | TAIWAN, PROVINCE OF CHINA |
| TZ | TANZANIA, UNITED REPUBLIC OF |
| UA | UKRAINE |
| UG | UGANDA |
| UM | UNITED STATES MINOR OUTLYING ISLANDS |
| US | UNITED STATES |
| UY | URUGUAY |
| UZ | UZBEKISTAN |
| VA | HOLY SEE (VATICAN CITY STATE) |
| VC | SAINT VINCENT AND THE GRENADINES |
| VE | VENEZUELA |
| VG | VIRGIN ISLANDS (BRITISH) |
| VI | VIRGIN ISLANDS (U.S.) |
| VN | VIET NAM |
| VU | VANUATU |
| WF | WALLIS AND FUTUNA ISLANDS |
| WS | SAMOA |
| YE | YEMEN |
| YT | MAYOTTE |
| YU | YUGOSLAVIA |
| ZA | SOUTH AFRICA |
| ZM | ZAMBIA |
| ZR | ZAIRE |
| ZW | ZIMBABWE |

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| **GlobalDocumentReferenceTypeCode** | **Lines: 79** |
| **Entity Instances** | |
| Applied Promotions |  |
| Approval | Authorization Request Approval |
| ASP Claim | The unique identifier assigned by the ASP for a warranty claim. |
| ASP Part Return | The unique identifier assigned by the ASP for a part return. |
| ASP PartOrder | The unique identifier assigned by the ASP for a part order. |
| ASP Requisition | The unique identifier assigned by the ASP to reference a work order. |
| Catalog | Product Catalog. |
| Commercial Invoice |  |
| Component Failure Analysis Request Number | Failure Analysis request document that will accompany the product providing characteristics of the component failure. |
| Consumption Reference | Unique consumption reference number identifying the product consumption issue i.e. one-to-one relationship with physical flow. |
| Contract |  |
| Credit Memo | Traditional credit note or memo. |
| Customer Batch Number | Product batch number of customer. |
| Customer Order Number | In a virtual sourcing relationship, a third party trading partner is supplying a part to a customer on behalf of another company that has taken the order for the customer. In this case a Customer Order Number is associated to the request for material that is sent to the virtual trading partners. |
| Customs Number | Customs clearance number. |
| Debit Memo | Traditional debit note or memo. |
| Delivery Note |  |
| Discontinuation | Discontinuation Notice. |
| Drawing # |  |
| Fulfillment Order | Sales order or transfer order fulfilling demand out of a facility (outbound shipment). |
| Invoice |  |
| Master Event Number |  |
| Model Number |  |
| Notes |  |
| OEM Claim | The unique identifier assigned by the OEM for a warranty claim. |
| OEM Part Order | The unique identifier assigned by the OEM for a part order. |
| OEM Part Return | The unique identifier assigned by the OEM for a part return. |
| OGA | Other governmental agency issued document. |
| Original Invoice | Refers to previously issued invoice. |
| Original SBI Invoice | Refers to previously issued self-billing invoice. |
| Packing List/Packing Slip | Unique number that identifies packing form prior to shipment. |
| Product Failure Analysis Request Number | Failure Analysis request document that will accompany the product providing characteristics of the product failure. |
| Productuion Order Number | Production order number for material release. |
| Purchase Order |  |
| Purchase Order IN |  |
| Purchase Order OUT |  |
| Quote |  |
| Receipt | Document identifying the receipt of materials or products into a facility against a purchase order or transfer order (inbound shipment). |
| Replenishment Order | Purchase order or transfer order replenishing inventory into a facility (inbound shipment). |
| Requisition |  |
| Rework Purchase Order | Purchase order for materials or product returned to and reworked by a supplier. |
| RMA - Returned Material Authorization |  |
| Sales Order |  |
| Scheduling Agreement | Similar to contracts. Contains the quantity of an article that is to be ordered from a vendor and the price for article or service that is to be procured. |
| Self Billing Credit Memo | Credit Memo used in self-billing scenario. |
| Self Billing Debit Memo | Debit Memo used in self-billing scenario. |
| Self Billing Invoice | Invoice in self billing scenario. |
| Serial Number |  |
| Service Order | A document that gives a repair provider the necessary authorization to repair or upgrade a product either at the customer site or at the repair provider’s site. |
| Shipping Reference Identifier | A document that contains the shipping reference number which allows the product to be tracked within the outsourced logistic providers network. |
| SNCL | Shipset Number on Code List |
| Spec # |  |
| Supplier Batch Number | Product batch number of supplier. |
| Switch Authorization |  |
| Terms and Conditions |  |
| Transfer Order | Order which results in materials or products being moved from one facility to another (outbound shipment and inbound shipment). |
| Warranty Claim | Denotes a warranty claim. |
| Waybill |  |
| Work Order |  |

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| **GlobalProductUnitOfMeasureCode** | **Lines: 84** |
| **Entity Instances** | |
| 10 Kilogram Drum |  |
| 10,000 Gallon Tankcar |  |
| 100 Board Feet |  |
| 100 Pound Drum |  |
| 1000-pack |  |
| 100-Pack |  |
| 10-pack |  |
| 115 Kilogram Drum |  |
| 15 Kilogram Drum |  |
| 20 Foot Container |  |
| 20,000 Gallon Tankcar |  |
| 20-Pack |  |
| 25 Kilogram Bulk Bag |  |
| 300 Kilogram Bulk Bag |  |
| 40 Foot Container |  |
| 50 Pound Bag |  |
| 500 Kilogram Bulk Bag |  |
| 50-pack |  |
| 55 Gallon Drum |  |
| Acre |  |
| Actual Pounds |  |
| Aluminum Pounds Only |  |
| Ampere |  |
| Angstrom |  |
| Bag |  |
| Bale |  |
| Ball |  |
| Band |  |
| Bar |  |
| Barrel |  |
| Barrel, Imperial |  |
| Barrels Per Day |  |
| Barrels Per Minute |  |
| Base Box |  |
| Base Weight |  |
| Basket |  |
| Batch |  |
| Batt |  |
| Batting Pound |  |
| Beam |  |
| Becquerel/kilogram |  |
| Belt |  |
| Billet |  |
| Bin |  |
| Bit |  |
| Block |  |
| Board |  |
| Board Feet |  |
| Bolt |  |
| Bottle |  |
| Box |  |
| British Thermal Unit (BTU) |  |
| British Thermal Units (BTUs) Per Cubic Foot |  |
| British Thermal Units (BTUs) Per Pound |  |
| Bucket |  |
| Bulk |  |
| Bulk Car Load |  |
| Bulk Pack |  |
| Bundle |  |
| Bunks |  |
| Bushel |  |
| Bushel, Dry Imperial |  |
| Bytes |  |
| Calorie |  |
| Can |  |
| Candela |  |
| Canister |  |
| Car |  |
| Carat |  |
| Carboy |  |
| Card |  |
| Carload |  |
| Carton |  |
| Cartridge |  |
| Case |  |
| Cask |  |
| Cassette |  |
| Catchweight |  |
| Cell |  |
| Centigram |  |
| Centiliter |  |
| Centimeter |  |
| Centipoise (CPS) |  |
| Chains (Land Survey) |  |
| Chest |  |
| Coil |  |
| Coil Group |  |
| Composite Product Pounds (Total Weight) |  |
| Cone |  |
| Connector |  |
| Container |  |
| Coulomb |  |
| Cover |  |
| Crate |  |
| Cubic centimeter |  |
| Cubic centimeter/second |  |
| Cubic Foot |  |
| Cubic inch |  |
| Cubic yard |  |
| Cubicmeter |  |
| Cup |  |
| Cycles |  |
| Cylinder |  |
| Day |  |
| Deal |  |
| Decagram |  |
| Decibels |  |
| Decigram |  |
| Deciliter |  |
| Decimeter |  |
| Degree Celsius |  |
| Degree Fahrenheit |  |
| Dep. Factor |  |
| Die |  |
| Disk (Disc) |  |
| Dispenser |  |
| Display |  |
| Dozen |  |
| Dram |  |
| Drum |  |
| Dry Pounds |  |
| Each |  |
| Electrical Capacitance |  |
| Farad |  |
| Fluid Ounce |  |
| Fluid Ounce (Imperial) |  |
| Fluid Ounce US |  |
| Foot |  |
| Fuel Usage (Gallons) |  |
| Gage Systems |  |
| Gallon |  |
| Gigajoules |  |
| Gill (Imperial) |  |
| Grain |  |
| Gram |  |
| Gram/Cubic Centimeter |  |
| Gram/square meter |  |
| Grams Per 100 Centimeters |  |
| Grams Per 100 Grams |  |
| Grams Per Cubic Centimeter |  |
| Grams Per Kilogram |  |
| Grams Per Liter |  |
| Grams Per Milliliter |  |
| Grams Per Square Centimeter |  |
| Grams Per Square Meter |  |
| Great Gross (Dozen Gross) |  |
| Gross |  |
| Gross Barrels |  |
| Gross Gallons |  |
| Gross Kilogram |  |
| Gross Ton |  |
| Gross Yard |  |
| Group |  |
| Half Gallon |  |
| Half Hour |  |
| Half Liter |  |
| Hank |  |
| Heat lots |  |
| Hectare |  |
| Hectoliter |  |
| Hectopascal |  |
| Hertz |  |
| Hour |  |
| Hours |  |
| Hundred Boxes |  |
| Hundred Count |  |
| Hundred Sheets |  |
| Hundredth of a Carat |  |
| Imperial Gallons |  |
| Inch |  |
| Jar |  |
| Joint |  |
| Joule |  |
| Keg |  |
| Kelvin |  |
| Kiloampere |  |
| Kilobecquerel/Kilogram |  |
| Kilobyte |  |
| Kilogram |  |
| Kilogram per cubic meter |  |
| Kilogram/Kilogram |  |
| Kilogram/square meter |  |
| Kilogramm pro Sekunde |  |
| Kilohertz |  |
| Kilojoule |  |
| Kilometer |  |
| Kilometer/hour |  |
| Kiloohm |  |
| Kilovolt |  |
| Kilowatt |  |
| Kilowatt-hour |  |
| Kit |  |
| Kubikdezimeter |  |
| Kubikmeter pro Sekunde |  |
| Lifts |  |
| Link |  |
| Liquid Pounds |  |
| Liter |  |
| Load |  |
| Lot |  |
| Lug |  |
| Mat |  |
| Megabyte |  |
| Megagram |  |
| Megagrams Per Hour |  |
| Megahertz |  |
| Megapascal |  |
| Megawatt |  |
| Meter |  |
| Meter pro Quadratsekunde |  |
| Meters per second |  |
| Microgram |  |
| Micrograms Per Cubic Meter |  |
| Micrometer |  |
| Microsecond |  |
| Mikrogram/cubic meter |  |
| Mile |  |
| Miles |  |
| Milliampere |  |
| Milliamperes |  |
| Millibar |  |
| Milligram |  |
| Milligram/cubic meter |  |
| Milligram/kilogram |  |
| Milligram/Liter |  |
| Milligrams Per Cubic Meter |  |
| Milligrams Per Square Meter |  |
| Millijoule |  |
| Milliliter |  |
| Millimeter |  |
| Millimeter H20 |  |
| Millimol |  |
| Millimol/kilogram |  |
| Million BTU's |  |
| Millipascal seconds |  |
| Millisecond |  |
| Millitesla |  |
| Millivolt |  |
| Millivolts |  |
| Milliwatt |  |
| Minute |  |
| Miter |  |
| Mol |  |
| Mol/kilogram |  |
| Month |  |
| Multichip | When 2 or more dies (chips) are merged into one package. |
| Nanometer |  |
| Nanosecond |  |
| Net Barrels |  |
| Net Gallons |  |
| Net Imperial Gallons |  |
| Net Liters |  |
| Newton |  |
| Ohm |  |
| One |  |
| One Thousand Pieces |  |
| Ounce |  |
| Pack (PAK) |  |
| Package |  |
| Packet |  |
| Pad |  |
| Pail |  |
| Pair |  |
| Pallet |  |
| Pallet (Lift) |  |
| Pallet/Unit Load |  |
| Pallete |  |
| Panel |  |
| Parcel |  |
| Parts per billion (US) |  |
| Parts per million |  |
| Pascal |  |
| Pascal second |  |
| Pennyweight |  |
| Per Hundred Pieces |  |
| Percent |  |
| Percent Per 1000 Hours |  |
| Percent Weight |  |
| Percentage |  |
| Picofarad |  |
| Piece |  |
| Pint - US liquid |  |
| Pint U.S. Dry |  |
| Plate |  |
| Pound |  |
| Pounds Per 1000 Square Feet |  |
| Pounds Per Foot |  |
| Pounds Per Gallon |  |
| Pounds Per Piece of Product |  |
| Pounds Per Pound of Product |  |
| Pounds Per Thousand |  |
| Quart - US liquid |  |
| Rack |  |
| Ream of 500 Sheets |  |
| Reel |  |
| Ring |  |
| Rod |  |
| Roll |  |
| Sack |  |
| Second |  |
| SET | Mask Set (SET) |
| Sheet |  |
| Sheet-Metric measure |  |
| Shipment |  |
| Shot |  |
| Skein |  |
| Skid |  |
| Sleeve |  |
| Slip Sheet |  |
| Spool |  |
| Square |  |
| Square foot |  |
| Square inch |  |
| Square kilometer |  |
| Square meter |  |
| Square meter/second |  |
| Square mile |  |
| Square millimeter |  |
| Square Yard |  |
| Statute Mile |  |
| Stick |  |
| Strip |  |
| Super Bulk Bag |  |
| Tablet |  |
| Tank |  |
| Tank Truck |  |
| Tesla |  |
| Thousand |  |
| Ton |  |
| Tonne |  |
| Torr |  |
| Tote |  |
| Track Foot |  |
| Trailer |  |
| Train |  |
| Tray |  |
| Troy |  |
| Troy OZ |  |
| Truckload |  |
| Tube |  |
| Unit | Measurement in terms of a unit for a product. |
| Unitless Unit of Measure |  |
| US gallon |  |
| US pound |  |
| US ton |  |
| Vial |  |
| Volt |  |
| Volts (Alternating Current) |  |
| Volts (Direct Current) |  |
| Volts Per Meter |  |
| Wafer |  |
| Watt |  |
| Week |  |
| WF | Wafer (WF) |
| Wrap |  |
| Yard |  |
| Year |  |

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| --- | --- |
| **GlobalLotDiscrepancyReasonCode** | **Lines: 87** |
| **Entity Instances** | |
| Damaged Lot | Lot was found to be damaged. |
| Wrong Lot | Expecting different lot. |
| Wrong Lot Quantity | Expecting different lot quantity. |

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| **ManufacturerProfile** | **Lines: 90** |
| **Constraint:** If ManufacturerProfile is present, at least one of countryOfOrigin, manufactureDate or receivedProductSerialNumber must be provided. |  |

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| **ProductIdentification** | **Lines: 94** |
| **Constraint:** One instance of either "GlobalProductIdentifier" or "PartnerProductIdentification" is mandatory. |  |

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| **ShipmentReceiptDiscrepancyInformation** | **Lines: 103** |
| **Constraint:** ShipmentReceiptDiscrepancyInformation is mandatory if acceptedQuantity is less than receivedQuantity. |  |

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| **GlobalReceivingDiscrepancyCode** | **Lines: 104** |
| **Entity Instances** | |
| On Hold |  |
| Rejected |  |

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| --- | --- |
| **GlobalReceivingDiscrepancyReasonCode** | **Lines: 105** |
| **Entity Instances** | |
| Blocked Stock | Product conditionally received (not allocatable). |
| Damage |  |
| Duplicate Order | Order has already been received (doubled shipped). |
| Incorrect Labeling | Shipment had incorrect shipping or product labeling. |
| Item Not Marked | No GTIN or serial number. |
| No Packing Slip |  |
| No Purchase Order |  |
| Over-ship |  |
| Packing List Discrepancy |  |
| Shortage |  |
| Wrong Item |  |
| Wrong Packaging |  |
| Wrong Purchase Order |  |

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| --- | --- |
| **GlobalTrackingReferenceTypeCode** | **Lines: 108** |
| **Entity Instances** | |
| Bill of Lading Number | Shipment identification number on bill of lading issued by shipper, forwarder or carrier. |
| Booking Number | Shipment identification number assigned by shipper when booking freight shipment with carrier. |
| Carrier Reference Number | Carrier assigned shipment identification number on bill of lading. |
| Commercial Invoice | An invoice for customs purposes to allow the determination of the proper import/export duty/taxes. |
| House Airwaybill Number | Forwarder assigned shipment identification number on bill of lading issued by forwarder. |
| Master Airwaybill Number | Carrier assigned shipment identification number on bill of lading issued by carrier. |
| Ocean Bill of Lading Number | Carrier assigned shipment identification number on bill of lading issued by carrier. |
| Packing Slip Number | Shipment identification number on shipment contents packing list attached to shipment. |
| Pro Number | Carrier assigned shipment identification number on bill of lading. |
| Sales Order Number | Seller sales order number. |
| Seal Identifier | Trailer or container seal number assigned by party closing doors on trailer or container. |
| Shipper Reference Number | Shipper assigned shipment identification number on bill of lading issued by shipper or forwarder. |
| Trailer Number | Owner assigned equipment identification number on trailer. |

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| **Business Properties ( 33 )** | | |
| **Name** | **Definition** |  |
| acceptedQuantity | The quantity of units accepted upon receipt of a shipment. |  |
| addressLine1 | The first line of a physical address. |  |
| addressLine2 | The second line of a physical address. |  |
| addressLine3 | The third line of a physical address. |  |
| businessName | The name of a business entity. |  |
| cityName | The name of a city. |  |
| contactName | Name of the contact person(s) within the organization. |  |
| containerTotalCount | Indicates the total number of containers in the shipment that belong to this shipping order. This is usually the total number of packed cartons. |  |
| countryOfOrigin | Country where product originates. |  |
| expiryDate | The date that a contractual agreement expires. |  |
| facsimileNumber | The numerical schema designed to achieve contact via facsimile. |  |
| freightReference | A reference identifier for the shipment, such as the Bill Of Lading. |  |
| fromRole | The role initiating a business document exchange. |  |
| manufactureDate | The date the product was manufactured. |  |
| postOfficeBoxIdentifier | The proprietary identity of a physical address, located at a post office, designed solely to accept and receive mail. |  |
| receiptDate | The date a product or service is received. |  |
| receivedBy | The party who has received a product shipment. |  |
| receivedFrom | The partner and/or location from where the product was shipped. |  |
| receivedLot | The identifier of a manufacturing lot from which a quantity of product was received. |  |
| receivedLotQuantity | A quantity of product received from a specific manufacturing lot. |  |
|  | The serial number of the specific product that was received. |  |
| receivedQuantity | The product quantity received. |  |
| regionName | The name of a state or province within a country. |  |
| revisionIdentifier | Free form text that identifies a revision to a proprietary serial number. |  |
| shipmentIdentifier | Reference identifier assigned by the partner originating a shipment to uniquely identify the shipment. |  |
| shipmentReceiptReportDateTime | The date-time when the shipment receiving report was generated. |  |
| subLineNumber | Number of the subline in the document, associated with a given line number. |  |
| subLineSchedule | Number of the schedule within the subline in the document, associated with a given line number. |  |
| telephoneNumber | The numerical schema designed to achieve contact via telephone. |  |
| thisDocumentGenerationDateTime | The date-time stamp indicating when this business document was generated. |  |
| thisDocumentIdentifier | The information that identifies the business document being sent. This identifier is used to represent the specific business document associated with the defined business process. |  |
| toRole | The role receiving the document in a business document exchange. |  |
| transportedBy | The party responsible for either carrying or forwarding the product. |  |

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| **Business Data Entities ( 19 )** | | |
| **Name** | **Definition** |  |
| BusinessDescription | The collection of business properties that describe a business identity and location. |  |
| ContactInformation | The collection of business properties that provide communication and address information for contacting a person, organization or business. |  |
| DocumentSubLineReference | The collection of business properties that allows the description of multiple proprietary documents and applicable line number or subline number references. |  |
| LotReference | The collection of business properties that describe a manufacturing lot tendered for shipping. |  |
| ManufacturerProfile | The collection of business properties that describe a manufacturer's product. |  |
| PartnerBusinessIdentification | The collection of business properties that allow for the proprietary identification of a business entity. |  |
| PartnerCompanyDescription | The collection of business properties that describe a business partners' identity and their function in a supply chain. |  |
| PartnerDescription | The collection of business properties that describe a business partners' identity, their contact information, where they are physically located and their function in a supply chain. |  |
| PartnerLocationIdentification | The collection of business properties that allow for the proprietary identification of a business location. |  |
| PartnerProductIdentification | The collection of business properties that describe proprietary part information. |  |
| PartnerRoleDescription | The collection of business properties that describe a business partners' role in a partner interface process. |  |
| PhysicalAddress | The actual physical location of an entity as prescribed by local postal authorities, including country identification as it relates to the party or a product. |  |
| PhysicalLocation | The collection of business properties that identify and describe the actual physical location of an entity as prescribed by local postal authorities, including country identification. |  |
| ProductIdentification | The collection of business properties that describe proprietary and global identifier information regarding a product. |  |
| QuantityInformation | The collection of business properties that describes information regarding the quantity of the product shipped. |  |
| ShipmentReceiptDiscrepancyInformation | Structured electronic information containing shipment receipt information regarding shipment discrepancies. |  |
| ShipmentReceiptInformationResource | The collection of business properties that describe the receiving status of shipments received by consignee. |  |
| ShipmentReceiptNotificationLineItem | The collection of business properties that describe a shipment receipt notification entry. |  |
| TrackingReference | The collection of business properties that describe information about tracing shipments during the transportation process. |  |

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| **Fundamental Business Data Entities ( 33 )** | | | | | |
| **Name** | **Definition** | **Type** | **Min** | **Max** | **Representation** |
| CommunicationsNumber | The electro-technical communication number, e.g., telephone number, facsimile number, pager number. | String | 1 | 30 | X(30) |
| CountableAmount | Dimensionless magnitude, e.g. number of products. | PositiveInteger | 1 | 15 | 9(15) |
| DateStamp | Specifies a specific date. Date stamp based on the ISO 8601 specification. The "Z" following the day identifier (DD) is used to indicate Coordinated Universal Time. Informal format: YYYYMMDDZ | Date | 9 | 9 | 9(8)X |
| DateTimeStamp | Specifies an instance in time. Based on the ISO 8601 specification where "YYYY" represents the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss.sss" represent hour, minute and second respectively. This representation is immediately followed by a "Z" to indicate Coordinated Universal Time. Informal format: YYYYMMDDThhmmss | DateTime | 13 | 20 | 9(8)X9(6)V9(3)X |
| EmailAddress | Electronic mail address. | String | 1 |  |  |
| FreeFormText | Unformatted text. | String | 1 |  |  |
| GlobalBusinessIdentifier | A unique business identifier. The DUNS number is specified by RosettaNet. | Integer | 9 | 9 | 9(9) |
| GlobalCountryCode | Code identifying the two character country code specified in ISO 3166-1:2006. | String | 2 | 2 | X(2) |
| GlobalDocumentFunctionCode | Code identifying the function of a document as either a request or a response. | String | 1 |  |  |
| GlobalDocumentReferenceTypeCode | Code identifying the type of business document used for referencing within another business document. | String | 1 |  |  |
| GlobalLocationIdentifier | Location uniquely identified by the DUNS +4 number. | String | 10 | 13 | 9(9)X(4) |
| GlobalLotDiscrepancyReasonCode | Code identifying the reason for a discrepency in the lot composition of the shipment. | String | 1 |  |  |
| GlobalPartnerClassificationCode | Code identifying a partner's function in the supply chain. | String | 1 |  |  |
| GlobalPartnerRoleClassificationCode | Code identifying a party's role in the supply chain. | String | 1 |  |  |
| GlobalProductIdentifier | Global unique product identifier. RosettaNet has adopted the Global Trade Identification Number (GTIN). | String | 14 | 14 | 9(14) |
| GlobalProductUnitOfMeasureCode | Code identifying a product unit of measure. | String | 1 |  |  |
| GlobalReceivingDiscrepancyCode | Code identifying a descrepancy with a shipment at time of receipt. | String | 1 |  |  |
| GlobalReceivingDiscrepancyReasonCode | Code identifying the reason for a descrepancy with a shipment at time of receipt. | String | 1 |  |  |
| GlobalSupplyChainCode | Code identifying the supply chain for the partner's function. | String | 1 |  |  |
| GlobalTrackingReferenceTypeCode | Code identifying the type of document reference being used to track a shipment. | String | 1 |  |  |
| LineNumber | Number of the line in the document. | String | 1 |  |  |
| NationalPostalCode | Code identifying geographic location as specified by a national postal code. | String | 1 |  |  |
| ProductQuantity | A quantity specifying the number of product units. | Real | 1 |  |  |
| ProprietaryBusinessIdentifier | A unique business identifier assigned and administered by a private authority. | String | 1 |  |  |
| ProprietaryDocumentIdentifier | Unique identifier, i.e. a numeric value or alphanumeric value, for a business document. | String | 1 |  |  |
| ProprietaryDomainIdentifier | A descriptor that is used to categorize an organization or business entity that is in the Proprietary Business Identifier. | String | 1 |  |  |
| ProprietaryIdentifierAuthority | A unique name that identifies an organization or business entity that is responsible for managing one or more lists of identifiers. | String | 1 |  |  |
| ProprietaryLocationIdentifier | A unique location identifier assigned and administered by a private authority. | String | 1 |  |  |
| ProprietaryLotIdentifier | A unique identifier representing the manufacturing lot of a Global Product Identifier. | String | 1 |  |  |
| ProprietaryProductIdentifier | An internal identifier used to identify a product. | String | 1 |  |  |
| ProprietaryReferenceIdentifier | A unique reference identifier for goods, services or business documents. | String | 1 | 255 | X(255) |
| ProprietarySerialIdentifier | Unique serial identifier assigned to the product. | String | 1 |  |  |
| ProprietaryShipmentTrackingIdentifier | Proprietary unique identifier for tracking product shipments. | String | 1 |  |  |

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| **Quantitative Fundamental Business Data Entities ( 0 )** | | | | | |
| **Name** | **Definition** | **Type** | **Min** | **Max** | **Representation** |

Inventory Report

|  |  |  |
| --- | --- | --- |
| 1 | 1 | fromRole.PartnerRoleDescription |
| 2 | 1 | |-- ContactInformation |
| 3 | 1 | | |-- contactName.FreeFormText |
| 4 | 1 | | |-- EmailAddress |
| 5 | 0..1 | | |-- facsimileNumber.CommunicationsNumber |
| 6 | 1 | | |-- telephoneNumber.CommunicationsNumber |
| 7 | 1 | |-- GlobalPartnerRoleClassificationCode |
| 8 | 1 | |-- PartnerDescription |
| 9 | 1 | | |-- BusinessDescription |
| 10 | 1 | | | |-- GlobalBusinessIdentifier |
| 11 | 0..1 | | | |-- GlobalSupplyChainCode |
| 12 | 1 | | |-- GlobalPartnerClassificationCode |
| 13 | 1 | GlobalDocumentFunctionCode |
| 14 | 1 | InventoryReport |
| 15 | 0..n | |-- internalBusinessEntity.PartnerDescription |
| 16 | 1 | | |-- BusinessDescription |
| 17 | 0..1 | | | |-- businessName.FreeFormText |
| 18 | 0..1 | | | |-- GlobalBusinessIdentifier |
| 19 | 0..n | | | |-- PartnerBusinessIdentification |
| 20 | 1 | | | | |-- ProprietaryBusinessIdentifier |
| 21 | 1 | | | | |-- ProprietaryDomainIdentifier |
| 22 | 0..1 | | | | |-- ProprietaryIdentifierAuthority |
| 23 | 1 | | |-- GlobalPartnerClassificationCode |
| 24 | 0..n | |-- inventoryLocation.PartnerDescription |
| 25 | 1 | | |-- BusinessDescription |
| 26 | 0..1 | | | |-- businessName.FreeFormText |
| 27 | 0..1 | | | |-- GlobalBusinessIdentifier |
| 28 | 0..n | | | |-- PartnerBusinessIdentification |
| 29 | 1 | | | | |-- ProprietaryBusinessIdentifier |
| 30 | 1 | | | | |-- ProprietaryDomainIdentifier |
| 31 | 0..1 | | | | |-- ProprietaryIdentifierAuthority |
| 32 | 0..1 | | |-- ContactInformation |
| 33 | 1 | | | |-- contactName.FreeFormText |
| 34 | 0..1 | | | |-- EmailAddress |
| 35 | 0..1 | | | |-- facsimileNumber.CommunicationsNumber |
| 36 | 0..1 | | | |-- telephoneNumber.CommunicationsNumber |
| 37 | 1 | | |-- GlobalPartnerClassificationCode |
| 38 | 1 | | |-- PhysicalLocation |
| 39 | 0..1 | | | |-- GlobalLocationIdentifier |
| 40 | 0..n | | | |-- PartnerLocationIdentification |
| 41 | 1 | | | | |-- ProprietaryDomainIdentifier |
| 42 | 0..1 | | | | |-- ProprietaryIdentifierAuthority |
| 43 | 1 | | | | |-- ProprietaryLocationIdentifier |
| 44 | 0..1 | | | |-- PhysicalAddress |
| 45 | 0..1 | | | | |-- addressLine1.FreeFormText |
| 46 | 0..1 | | | | |-- addressLine2.FreeFormText |
| 47 | 0..1 | | | | |-- addressLine3.FreeFormText |
| 48 | 0..1 | | | | |-- cityName.FreeFormText |
| 49 | 0..1 | | | | |-- GlobalCountryCode |
| 50 | 0..1 | | | | |-- NationalPostalCode |
| 51 | 0..1 | | | | |-- postOfficeBoxIdentifier.FreeFormText |
| 52 | 0..1 | | | | |-- regionName.FreeFormText |
| 53 | 1 | |-- inventoryReportDateTime.DateTimeStamp |
| 54 | 1..n | |-- InventoryReportLineItem |
| 55 | 0..n | | |-- DocumentReference |
| 56 | 0..1 | | | |-- DateTimeStamp |
| 57 | 1 | | | |-- GlobalDocumentReferenceTypeCode |
| 58 | 0..1 | | | |-- GlobalPartnerRoleClassificationCode |
| 59 | 0..1 | | | |-- LineNumber |
| 60 | 1 | | | |-- ProprietaryDocumentIdentifier |
| 61 | 0..1 | | | |-- RevisionNumber |
| 62 | 1 | | |-- GlobalProductUnitOfMeasureCode |
| 63 | 0..n | | |-- IntraCompanyTransfer |
| 64 | 0..1 | | | |-- inTransitFrom.PartnerDescription |
| 65 | 1 | | | | |-- BusinessDescription |
| 66 | 0..1 | | | | | |-- businessName.FreeFormText |
| 67 | 0..1 | | | | | |-- GlobalBusinessIdentifier |
| 68 | 0..n | | | | | |-- PartnerBusinessIdentification |
| 69 | 1 | | | | | | |-- ProprietaryBusinessIdentifier |
| 70 | 1 | | | | | | |-- ProprietaryDomainIdentifier |
| 71 | 0..1 | | | | | | |-- ProprietaryIdentifierAuthority |
| 72 | 0..1 | | | | |-- ContactInformation |
| 73 | 1 | | | | | |-- contactName.FreeFormText |
| 74 | 0..1 | | | | | |-- EmailAddress |
| 75 | 0..1 | | | | | |-- facsimileNumber.CommunicationsNumber |
| 76 | 0..1 | | | | | |-- telephoneNumber.CommunicationsNumber |
| 77 | 1 | | | | |-- GlobalPartnerClassificationCode |
| 78 | 1 | | | | |-- PhysicalLocation |
| 79 | 0..1 | | | | | |-- GlobalLocationIdentifier |
| 80 | 0..n | | | | | |-- PartnerLocationIdentification |
| 81 | 1 | | | | | | |-- ProprietaryDomainIdentifier |
| 82 | 0..1 | | | | | | |-- ProprietaryIdentifierAuthority |
| 83 | 1 | | | | | | |-- ProprietaryLocationIdentifier |
| 84 | 0..1 | | | | | |-- PhysicalAddress |
| 85 | 0..1 | | | | | | |-- addressLine1.FreeFormText |
| 86 | 0..1 | | | | | | |-- addressLine2.FreeFormText |
| 87 | 0..1 | | | | | | |-- addressLine3.FreeFormText |
| 88 | 0..1 | | | | | | |-- cityName.FreeFormText |
| 89 | 0..1 | | | | | | |-- GlobalCountryCode |
| 90 | 0..1 | | | | | | |-- NationalPostalCode |
| 91 | 0..1 | | | | | | |-- postOfficeBoxIdentifier.FreeFormText |
| 92 | 0..1 | | | | | | |-- regionName.FreeFormText |
| 93 | 1 | | | |-- inTransitQuantity.ProductQuantity |
| 94 | 0..1 | | | |-- inTransitTo.PartnerDescription |
| 95 | 1 | | | | |-- BusinessDescription |
| 96 | 0..1 | | | | | |-- businessName.FreeFormText |
| 97 | 0..1 | | | | | |-- GlobalBusinessIdentifier |
| 98 | 0..n | | | | | |-- PartnerBusinessIdentification |
| 99 | 1 | | | | | | |-- ProprietaryBusinessIdentifier |
| 100 | 1 | | | | | | |-- ProprietaryDomainIdentifier |
| 101 | 0..1 | | | | | | |-- ProprietaryIdentifierAuthority |
| 102 | 0..1 | | | | |-- ContactInformation |
| 103 | 1 | | | | | |-- contactName.FreeFormText |
| 104 | 0..1 | | | | | |-- EmailAddress |
| 105 | 0..1 | | | | | |-- facsimileNumber.CommunicationsNumber |
| 106 | 0..1 | | | | | |-- telephoneNumber.CommunicationsNumber |
| 107 | 1 | | | | |-- GlobalPartnerClassificationCode |
| 108 | 1 | | | | |-- PhysicalLocation |
| 109 | 0..1 | | | | | |-- GlobalLocationIdentifier |
| 110 | 0..n | | | | | |-- PartnerLocationIdentification |
| 111 | 1 | | | | | | |-- ProprietaryDomainIdentifier |
| 112 | 0..1 | | | | | | |-- ProprietaryIdentifierAuthority |
| 113 | 1 | | | | | | |-- ProprietaryLocationIdentifier |
| 114 | 0..1 | | | | | |-- PhysicalAddress |
| 115 | 0..1 | | | | | | |-- addressLine1.FreeFormText |
| 116 | 0..1 | | | | | | |-- addressLine2.FreeFormText |
| 117 | 0..1 | | | | | | |-- addressLine3.FreeFormText |
| 118 | 0..1 | | | | | | |-- cityName.FreeFormText |
| 119 | 0..1 | | | | | | |-- GlobalCountryCode |
| 120 | 0..1 | | | | | | |-- NationalPostalCode |
| 121 | 0..1 | | | | | | |-- postOfficeBoxIdentifier.FreeFormText |
| 122 | 0..1 | | | | | | |-- regionName.FreeFormText |
| 123 | 0..n | | |-- inventoryLocation.PartnerDescription |
| 124 | 1 | | | |-- BusinessDescription |
| 125 | 0..1 | | | | |-- businessName.FreeFormText |
| 126 | 0..1 | | | | |-- GlobalBusinessIdentifier |
| 127 | 0..n | | | | |-- PartnerBusinessIdentification |
| 128 | 1 | | | | | |-- ProprietaryBusinessIdentifier |
| 129 | 1 | | | | | |-- ProprietaryDomainIdentifier |
| 130 | 0..1 | | | | | |-- ProprietaryIdentifierAuthority |
| 131 | 0..1 | | | |-- ContactInformation |
| 132 | 1 | | | | |-- contactName.FreeFormText |
| 133 | 0..1 | | | | |-- EmailAddress |
| 134 | 0..1 | | | | |-- facsimileNumber.CommunicationsNumber |
| 135 | 0..1 | | | | |-- telephoneNumber.CommunicationsNumber |
| 136 | 1 | | | |-- GlobalPartnerClassificationCode |
| 137 | 1 | | | |-- PhysicalLocation |
| 138 | 0..1 | | | | |-- GlobalLocationIdentifier |
| 139 | 0..n | | | | |-- PartnerLocationIdentification |
| 140 | 1 | | | | | |-- ProprietaryDomainIdentifier |
| 141 | 0..1 | | | | | |-- ProprietaryIdentifierAuthority |
| 142 | 1 | | | | | |-- ProprietaryLocationIdentifier |
| 143 | 0..1 | | | | |-- PhysicalAddress |
| 144 | 0..1 | | | | | |-- addressLine1.FreeFormText |
| 145 | 0..1 | | | | | |-- addressLine2.FreeFormText |
| 146 | 0..1 | | | | | |-- addressLine3.FreeFormText |
| 147 | 0..1 | | | | | |-- cityName.FreeFormText |
| 148 | 0..1 | | | | | |-- GlobalCountryCode |
| 149 | 0..1 | | | | | |-- NationalPostalCode |
| 150 | 0..1 | | | | | |-- postOfficeBoxIdentifier.FreeFormText |
| 151 | 0..1 | | | | | |-- regionName.FreeFormText |
| 152 | 0..1 | | |-- inventoryOwner.BusinessDescription |
| 153 | 0..1 | | | |-- businessName.FreeFormText |
| 154 | 0..1 | | | |-- GlobalBusinessIdentifier |
| 155 | 0..n | | | |-- PartnerBusinessIdentification |
| 156 | 1 | | | | |-- ProprietaryBusinessIdentifier |
| 157 | 1 | | | | |-- ProprietaryDomainIdentifier |
| 158 | 0..1 | | | | |-- ProprietaryIdentifierAuthority |
| 159 | 1..n | | |-- InventoryProductQuantity |
| 160 | 0..n | | | |-- DeviceNumber |
| 161 | 1 | | | |-- GlobalInventoryCode |
| 162 | 0..n | | | |-- InventoryItemIdentification |
| 163 | 0..1 | | | | |-- countryOfOrigin.GlobalCountryCode |
| 164 | 0..1 | | | | |-- manufactureDate.DateTimeStamp |
| 165 | 0..1 | | | | |-- ProprietaryLotIdentifier |
| 166 | 0..1 | | | | |-- SerialNumberIdentification |
| 167 | 1 | | | | | |-- ProprietarySerialIdentifier |
| 168 | 1 | | | |-- ProductQuantity |
| 169 | 0..n | | |-- LotReference |
| 170 | 1 | | | |-- stockedLot.ProprietaryLotIdentifier |
| 171 | 1 | | | |-- stockedLotQuantity.ProductQuantity |
| 172 | 1 | | |-- ProductIdentification |
| 173 | 0..1 | | | |-- GlobalProductIdentifier |
| 174 | 0..n | | | |-- PartnerProductIdentification |
| 175 | 1 | | | | |-- GlobalPartnerClassificationCode |
| 176 | 1 | | | | |-- ProprietaryProductIdentifier |
| 177 | 0..1 | | | | |-- revisionIdentifier.FreeFormText |
| 178 | 1 | thisDocumentGenerationDateTime.DateTimeStamp |
| 179 | 1 | thisDocumentIdentifier.ProprietaryDocumentIdentifier |
| 180 | 1 | toRole.PartnerRoleDescription |
| 181 | 0..1 | |-- ContactInformation |
| 182 | 1 | | |-- contactName.FreeFormText |
| 183 | 1 | | |-- EmailAddress |
| 184 | 0..1 | | |-- facsimileNumber.CommunicationsNumber |
| 185 | 1 | | |-- telephoneNumber.CommunicationsNumber |
| 186 | 1 | |-- GlobalPartnerRoleClassificationCode |
| 187 | 1 | |-- PartnerDescription |
| 188 | 1 | | |-- BusinessDescription |
| 189 | 1 | | | |-- GlobalBusinessIdentifier |
| 190 | 0..1 | | | |-- GlobalSupplyChainCode |
| 191 | 1 | | |-- GlobalPartnerClassificationCode |

**Guideline Information**

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| **ContactInformation** | **Lines: 2 32 72 102 131 181** |
| **Constraint:** At least one occurance of "EmailAddress" or "telephoneNumber" is required. | 72 102 131 32 |

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| **GlobalPartnerRoleClassificationCode** | **Lines: 7 58 186** |
| **Entity Instances** | |
| Account Supplier | Any trading partner that buys or sells products/services from customers and/or vendors. |
| Account User | Any trading partner that requires an account to buy or sell products/services. |
| Anonymous Buyer | A requestor of information that chooses to remain anonymous. |
| Appointment Provider | The stakeholder(s) in the shipment delivery activity. |
| Authorized Service Provider | The Service Provider authorized by an OEM to perform service on a unit. |
| Authorizer | The partner role that provides product authorization, from a product owner or manufacturer, for a reselling organization to resell a product. |
| Buyer | An employee or organization that buys products for a partner type in the supply chain. |
| Catalog Distributor | The partner role that distributes catalog information to catalog producers and buyers. |
| Catalog Producer | The partner role that produces catalog information for a partner type in the supply chain. |
| Change Requester | A party who has an interest in requesting a review of a possible change to the component. The requester may be any party including customers and suppliers. |
| Change Review Forum | A party who has responsibility for the review of Engineering Change Requests and the drafting and review of Engineering Change Orders. The Change Review Forum is assumed to be at the company that has responsibility for the engineering aspects of the component affected by the change. |
| Claim Requester | The owner of the shipments who is responsible for the intact delivery. |
| Consignee | The receiver of the shipment. |
| Consumption Notification Provider | Trading Partner role responsible for sending the notification of material consumption by a production location |
| Consumption Notification User | Trading Partner role responsible for receiving and processing the notification of material consumption thereby invoicing the customer for consumed material |
| Credit Provider | This partner role is responsible for providing credit information about potential customers. |
| Credit Reference Requester | This partner role is responsible for requesting credit information about potential customers. |
| Customer | This partner role creates a demand for a product or service. |
| Customer Manager | This partner role manages the relationship with the business customers. |
| Decision Stakeholder | The party (such as suppliers, customers and others) who is responsible for the review and approval of the Engineering Change Approval Request. The stakeholders may be from multiple organizations. |
| Delivery Appointment Provider | A party that receives a request for a change to a previously scheduled delivery appointment. |
| Delivery Appointment Requester | A party that requests a change to a previously scheduled delivery appointment. |
| Demand Creator | The partner role that identifies the opportunity, submits design registration, provides engineering support to advance the opportunity towards design win, and generates revenue by satisfying customer demand for a product. |
| Design Engineering Information Receiver | This partner role uses technical information for updating enterprise databases (such as electronic catalog systems), design or test engineering, and manufacturing. |
| Design Engineering Information Sender | This partner role distributes the design engineering information of the agreed types in the agreed amounts at the agreed times. |
| Exception Identifier | The party/organization that monitors and identifies exceptions based on predefined exception criteria and sends notifications of the identified exceptions. In a collaborative forecasting process, the Exception Definer may be the Forecast Owner, Forecast Recipient, Forecast Reply Recipient and/or an external party. |
| Exception Recipient | The party/organization requiring visibility to an exception and receiving notifications on the identified exceptions. In a collaborative forecasting process, the Exception Recipient may be the Forecast Owner, Forecast Recipient and/or Forecast Reply Recipient. The Exception Identifier may send a notification for a specific exception to multiple Exception Recipients. |
| Failure Report Administrator | An employee or organizational entity that receives and processes PIP Failure Notifications. |
| Financing Processor | The organization that processes the request for financing. |
| Forecast Owner | The party/organization that monitors and identifies exceptions based on predefined exception criteria and sends notifications of the identified exceptions. In a collaborative forecasting process, the Exception Identifier may be the Forecast Owner, Forecast Recipient, Forecast Reply Recipient and/or an external party. |
| Forecast Recipient | The party that receives a strategic or order forecast. |
| Forecast Reply Recipient | The party that receives a forecast reply. The Recipient can be the original forecast owner or other forecast partner (Please refer to the GlobalPartnerClassificationCode). |
| Implementation Plan Creator | The partner role that creates, maintains and manages an implementation plan associated with an Engineering Change Order. |
| Initiator | The party that starts the data exchange. |
| Integrator | The organization responsible for the production of the product. Change requests are communicated back to the Qualification Owner. |
| In-transit Information User | The party who receives shipment status information. |
| Inventory Information Provider | An organization that owns or holds inventory and provides information about this inventory to partners in the supply chain. This may be a distributor, contract manufacturer, supplier or OEM reporting inventory that they hold and/or own. |
| Inventory Information User | An employee or organizatrion that uses information about inventory. |
| Invoice Provider | The organization that generates the invoice. |
| Invoice Receiver | The organization being invoiced. |
| Invoice Reject Provider | The organization that rejects an invoice. |
| Invoice Reject Receiver | The organization being issued an Invoice Reject Notification. |
| Marketing Activity Information User | The party who uses information about Marketing Activities. This party might include distributors, and retail operations. |
| Marketing Activity Initiator | The partner role that distributes information about marketing activities being sponsored by the organization. |
| Material Release Information Provider | Trading Partner role responsible for triggering release of materials to a delivery location |
| Material Release Information User | Trading Partner role responsible for receiving trigger to release material to a delivery location and shipping material to delivery location |
| Payee | The party receiving a payment. |
| Payer | The party issuing a payment. |
| PIP Failure Notifier | An organizational process that automatically notifies the appropriate Failure Report Administrator of a PIP process failure. |
| Product Distributor | The party authorized by a Product Supplier to purchase goods and services from the Product Supplier and resell to customers. |
| Product Information Distributor | The partner role that distributes new product information to product information users and buyers. |
| Product Information Subscriber | The business partner that subscribes to product information from other business partners. |
| Product Information User | The partner role that uses product information to create or update enterprise systems and online promotion systems such as electronic catalog systems. |
| Product Provider | The partner role that creates a differentiated product, owns the registration process and creates a list of eligible products for use in design registration. |
| Product Supplier | This partner role supplies product to customers in the supply chain. |
| Qualification Owner | The organization responsible for the qualification of manufacturers and suppliers of parts for the product. The Qualification Owner defines and maintains the AML for the product. |
| Quality Data Provider | The party responsible for sending the Repair Quality Data. The Provider, through various means, learns of product or product component defect(s). |
| Quality Data User | The party who receives the repair and/or test data. The User analyzes the data and incorporates findings into its business model. |
| Receiver | The intended recipient of products or business information. The Receiver may verify receipt if prescribed. |
| Responder | The party that replies to the initiators message. |
| Return Provider | The party responsible for authorizing and/or processing the return. |
| Return Receiver | A third-party or warehousing operation responsible for receiving returns, inspecting the package contents and comparing to the issued RMA to assure the contents are what was authorized on the RMA. |
| Return Requester | Any party wishing to return a product. This role could be played by a large end-user such as the Government Services Administration (GSA), a distributor, or a reseller. |
| Sales Facilitator | This partner role facilitates the sale of product between partners in the supply chain. |
| Sales Lead Originator | The party assigning a sales lead to another party. |
| Sales Lead Processor | The party who receives the sales lead. This party is responsible for accepting or rejecting the lead, and if accepted, reports the status of the lead. |
| Sales Marketing Claim Processor | The partner role that processes the claim and/or remits compensation to the Sales Marketing Claimant. |
| Sales Marketing Claimant | The partner role that requests reimbursement from a Sales Marketing Claim Processor. |
| Sales Marketing Program Reimbursement Recipient | The partner role that receives status on a previously submitted sales marketing claim, or who receives reimbursement without submitting a claim. |
| Sales Marketing Program Reimburser | The partner role that is currently processing a sales marketing claim, (or providing a payment without a claim submitted) and who provides information on the status of the claim processing. |
| Self-Billing Invoice Provider | The party that generates the self-billing invoice plus being invoiced. It can re-issue the self-billing invoice. |
| Self-Billing Invoice Receiver | The organization that provides the services or goods. The organization that receives the payment. |
| Seller | An organization that sells products to partners in the supply chain. |
| Service Provider | A provider that performs a service such as repair, diagnose, maintain, install or remove on a unit. |
| Shipment Information User | The party who receives shipment status information. |
| Shipment Requester | The party requesting transportation services. |
| ShipmentController | The party who is authorized to make decisions regarding a shipment while in-transit. |
| Shipper | The party who relinquishes (assigns) a shipment to a transport service provider. |
| Shipping Provider | The organization responsible for performing the shipping logistics for the Shipper. The Shipping Provider ships products from one location to another as requested by the shipping order and informs the Shipper when the shipment has been sent. |
| Solution Provider | The party that may architect, configure, engineer, sell, or determine the fulfillment of the configured solution to partners in the supply chain. |
| Solution Requester | This party that creates a demand for a product or service, or has contracted with a Solution Provider for the manufacture or fulfillment of a product(s). |
| Specification Provider | The partner role that creates or passes on manufacturing specifications. This may be a Solution Provider, an OEM who is sub-contracting manufacturing tasks like fabrication or assembly, or another party. |
| Specification User | The partner role that uses a manufacturing specification. This might be a sub-contract assembler or fabricator. |
| Stakeholder | The party that is required to implement an Engineering Change Order. The Stakeholder may include all levels of suppliers, customers or other parties. The Stakeholder may represent multiple organizations. The Stakeholder may draft and/or be responsible for completing tasks in an implementation plan. |
| Status Requester | The functional partner role, that could be a Product Provider, that creates a differentiated product, owns the registration process and creates a list of eligible products, or who is responsible for identifying the opportunity (that is, it could be a Demand Creator). |
| Status Responder | The organizational partner role, that could be a Product Provider, that creates a differentiated product, owns the registration process and creates a list of eligible products, or who is responsible for identifying the opportunity (that is, it could be a Demand Creator). |
| Supplier | This partner role supplies product to customers in the supply chain. |
| Tender Information User | The stakeholder(s) in the tendering activity. |
| Transport Service Provider | The party that provides transportation services for a Shipment Requester. |
| Warranty Provider | The provider who honors the warranty terms and reimburses the Authorized Service Provider for a service event performed under the terms of the warranty. |

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| **BusinessDescription** | **Lines: 9 16 25 65 95 124 152 188** |
| **Constraint:** At least one business identifier must be provided: "businessName", "GlobalBusinessIdentifier" or at least one entity in "PartnerBusinessIdentification". | 16 65 95 124 25 |

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| **GlobalSupplyChainCode** | **Lines: 11 190** |
| **Entity Instances** | |
| Electronic Components | The electronic components supply chain. |
| Information Technology | The information technology supply chain. |
| Semiconductor Manufacturing | The semiconductor manufacturing supply chain. |
| Telecommunication Industry | The telecommunication industry supply chain. |

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| **GlobalPartnerClassificationCode** | **Lines: 12 23 37 77 107 136 175 191** |
| **Entity Instances** | |
| Broker | Representative of a third party. |
| Carrier | Product carrier for transporting goods in supply chain. |
| Contract Manufacturer | The party responsible for the services rendered. |
| Customs Broker | Product customs broker in supply chain. |
| Distribution Center | Product distributor in supply chain. |
| Distributor | Product distributor in supply chain. |
| End User | Product end user in supply chain. |
| End User Government | End user government. |
| Financier | Financial service provider in supply chain |
| Freight Forwarder | Product freight forwarder for transporting goods in supply chain. |
| Manufacturer | Product manufacturer in supply chain. |
| Manufacturing Division | A separate unit of a manufacturer. |
| Original Equipment Manufacturer | Product manufacturer of original equipment in the supply chain. |
| Reseller | The party who buys goods from a manufacturer and resells them to customers unchanged. |
| Retailer | Product retailer in supply chain. |
| Service Provider | A provider of services such as repair, diagnoses, maintainence, installation or removal of a unit. |
| Shopper | Product shopper in supply chain. |
| Supplier | Used to identify a suppliers part number or the model number of the product or service. |
| Warehouser | Product warehouser in supply chain. |

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| **GlobalDocumentFunctionCode** | **Lines: 13** |
| **Constraint:** Only GlobalDocumentFunctionCode equal to Request is allowed. |  |
| **Entity Instances** | |
| Request | The business document is a request for a business action to be performed by a partner. |
| Response | The business document is a response to a requesting partner. |

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| **PhysicalLocation** | **Lines: 38 78 108 137** |
| **Constraint:** At least one occurance of "GlobalLocationIdentifier", "PartnerLocationIdentifier" or "PhysicalAddress" is required. |  |

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| **PhysicalAddress** | **Lines: 44 84 114 143** |
| **Constraint:** At least one associated element under "PhysicalAddress " is required if "GlobalLocationIdentifier" or "PartnerLocationIdentifier" is not provided. |  |

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| **GlobalCountryCode** | **Lines: 49 89 119 148 163** |
| **Entity Instances** | |
| AD | ANDORRA |
| AE | UNITED ARAB EMIRATES |
| AF | AFGHANISTAN |
| AG | ANTIGUA AND BARBUDA |
| AI | ANGUILLA |
| AL | ALBANIA |
| AM | ARMENIA |
| AN | NETHERLANDS ANTILLES |
| AO | ANGOLA |
| AQ | ANTARCTICA |
| AR | ARGENTINA |
| AS | AMERICAN SAMOA |
| AT | AUSTRIA |
| AU | AUSTRALIA |
| AW | ARUBA |
| AX | LAND ISLANDS |
| AZ | AZERBAIJAN |
| BA | BOSNIA AND HERZEGOVINA |
| BB | BARBADOS |
| BD | BANGLADESH |
| BE | BELGIUM |
| BF | BURKINA FASO |
| BG | BULGARIA |
| BH | BAHRAIN |
| BI | BURUNDI |
| BJ | BENIN |
| BL | SAINT BARTHELEMY |
| BM | BERMUDA |
| BN | BRUNEI DARUSSALAM |
| BO | BOLIVIA |
| BR | BRAZIL |
| BS | BAHAMAS |
| BT | BHUTAN |
| BV | BOUVET ISLAND |
| BW | BOTSWANA |
| BY | BELARUS |
| BZ | BELIZE |
| CA | CANADA |
| CC | COCOS (KEELING) ISLANDS |
| CD | CONGO, THE DEMOCRATIC REPUBLIC OF THE |
| CF | CENTRAL AFRICAN REPUBLIC |
| CG | CONGO |
| CH | SWITZERLAND |
| CI | COTE DIVOIRE |
| CK | COOK ISLANDS |
| CL | CHILE |
| CM | CAMEROON |
| CN | CHINA |
| CO | COLOMBIA |
| CR | COSTA RICA |
| CS | SERBIA AND MONTENEGRO |
| CU | CUBA |
| CV | CAPE VERDE |
| CX | CHRISTMAS ISLAND |
| CY | CYPRUS |
| CZ | CZECH REPUBLIC |
| DE | GERMANY |
| DJ | DJIBOUTI |
| DK | DENMARK |
| DM | DOMINICA |
| DO | DOMINICAN REPUBLIC |
| DZ | ALGERIA |
| EC | ECUADOR |
| EE | ESTONIA |
| EG | EGYPT |
| EH | WESTERN SAHARA |
| ER | ERITREA |
| ES | SPAIN |
| ET | ETHIOPIA |
| FI | FINLAND |
| FJ | FIJI |
| FK | FALKLAND ISLANDS (MALVINAS) |
| FM | MICRONESIA, FEDERATED STATES |
| FO | FAROE ISLANDS |
| FR | FRANCE |
| GA | GABON |
| GB | UNITED KINGDOM |
| GD | GRENADA |
| GE | GEORGIA |
| GF | FRENCH GUIANA |
| GG | GUERNSEY |
| GH | GHANA |
| GI | GIBRALTAR |
| GL | GREENLAND |
| GM | GAMBIA |
| GN | GUINEA |
| GP | GUADELOUPE |
| GQ | EQUATORIAL GUINEA |
| GR | GREECE |
| GS | SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS |
| GT | GUATEMALA |
| GU | GUAM |
| GW | GUINEA-BISSAU |
| GY | GUYANA |
| HK | HONG KONG |
| HM | HEARD ISLAND AND MCDONALD ISLANDS |
| HN | HONDURAS |
| HR | CROATIA |
| HT | HAITI |
| HU | HUNGARY |
| ID | INDONESIA |
| IE | IRELAND |
| IL | ISRAEL |
| IM | ISLE OF MAN |
| IN | INDIA |
| IO | BRITISH INDIAN OCEAN TERRITORY |
| IQ | IRAQ |
| IR | IRAN, ISLAMIC REPUBLIC OF |
| IS | ICELAND |
| IT | ITALY |
| JE | JERSEY |
| JM | JAMAICA |
| JO | JORDAN |
| JP | JAPAN |
| KE | KENYA |
| KG | KYRGYSTAN |
| KH | CAMBODIA |
| KI | KIRIBATI |
| KM | COMOROS |
| KN | SAINT KITTS AND NEVIS |
| KP | KOREA, DEMOCRATIC PEOPLES REP. OF |
| KR | KOREA, REPUBLIC OF |
| KW | KUWAIT |
| KY | CAYMAN ISLANDS |
| KZ | KAZAKSTAN |
| LA | LAO PEOPLES DEMOCRATIC REPUBLIC |
| LB | LEBANON |
| LC | SAINT LUCIA |
| LI | LIECHTENSTEIN |
| LK | SRI LANKA |
| LR | LIBERIA |
| LS | LESOTHO |
| LT | LITHUANIA |
| LU | LUXEMBOURG |
| LV | LATVIA |
| LY | LIBYAN ARAB JAMAHIRIYA |
| MA | MOROCCO |
| MC | MONACO |
| MD | MOLDOVA, REPUBLIC OF |
| ME | MONTENEGRO |
| MF | SAINT MARTIN |
| MG | MADAGASCAR |
| MH | MARSHALL ISLANDS |
| MK | MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF |
| ML | MALI |
| MM | MYANMAR |
| MN | MONGOLIA |
| MO | MACAU |
| MP | NORTHERN MARIANA ISLANDS |
| MQ | MARTINIQUE |
| MR | MAURITANIA |
| MS | MONTSERRAT |
| MT | MALTA |
| MU | MAURITIUS |
| MV | MALDIVES |
| MW | MALAWI |
| MX | MEXICO |
| MY | MALAYSIA |
| MZ | MOZAMBIQUE |
| NA | NAMIBIA |
| NC | NEW CALEDONIA |
| NE | NIGER |
| NF | NORFOLK ISLAND |
| NG | NIGERIA |
| NI | NICARAGUA |
| NL | NETHERLANDS |
| NO | NORWAY |
| NP | NEPAL |
| NR | NAURU |
| NT | NEUTRAL ZONE |
| NU | NIUE |
| NZ | NEW ZEALAND |
| OM | OMAN |
| PA | PANAMA |
| PE | PERU |
| PF | FRENCH POLYNESIA |
| PG | PAPUA NEW GUINEA |
| PH | PHILIPPINES |
| PK | PAKISTAN |
| PL | POLAND |
| PM | SAINT PIERRE AND MIQUELON |
| PN | PITCAIRN |
| PR | PUERTO RICO |
| PS | PALESTINIAN TERRITORY, OCCUPIED |
| PT | PORTUGAL |
| PW | PALAU |
| PY | PARAGUAY |
| QA | QATAR |
| RE | REUNION |
| RO | ROMANIA |
| RS | SERBIA |
| RU | RUSSIAN FEDERATION |
| RW | RWANDA |
| SA | SAUDI ARABIA |
| SB | SOLOMON ISLANDS |
| SC | SEYCHELLES |
| SD | SUDAN |
| SE | SWEDEN |
| SG | SINGAPORE |
| SH | SAINT HELENA |
| SI | SLOVENIA |
| SJ | SVALBARD AND JAN MAYEN ISLANDS |
| SK | SLOVAKIA |
| SL | SIERRA LEONE |
| SM | SAN MARINO |
| SN | SENEGAL |
| SO | SOMALIA |
| SR | SURINAME |
| SS | SOUTH SUDAN |
| ST | SAO TOME AND PRINCIPE |
| SV | EL SALVADOR |
| SY | SYRIAN ARAB REPUBLIC |
| SZ | SWAZILAND |
| TC | TURKS AND CAICOS ISLANDS |
| TD | CHAD |
| TF | FRENCH SOUTHERN TERRITORIES |
| TG | TOGO |
| TH | THAILAND |
| TJ | TAJIKISTAN |
| TK | TOKELAU |
| TL | TIMOR-LESTE |
| TM | TURKMENISTAN |
| TN | TUNISIA |
| TO | TONGA |
| TP | EAST TIMOR |
| TR | TURKEY |
| TT | TRINIDAD AND TOBAGO |
| TV | TUVALU |
| TW | TAIWAN, PROVINCE OF CHINA |
| TZ | TANZANIA, UNITED REPUBLIC OF |
| UA | UKRAINE |
| UG | UGANDA |
| UM | UNITED STATES MINOR OUTLYING ISLANDS |
| US | UNITED STATES |
| UY | URUGUAY |
| UZ | UZBEKISTAN |
| VA | HOLY SEE (VATICAN CITY STATE) |
| VC | SAINT VINCENT AND THE GRENADINES |
| VE | VENEZUELA |
| VG | VIRGIN ISLANDS (BRITISH) |
| VI | VIRGIN ISLANDS (U.S.) |
| VN | VIET NAM |
| VU | VANUATU |
| WF | WALLIS AND FUTUNA ISLANDS |
| WS | SAMOA |
| YE | YEMEN |
| YT | MAYOTTE |
| YU | YUGOSLAVIA |
| ZA | SOUTH AFRICA |
| ZM | ZAMBIA |
| ZR | ZAIRE |
| ZW | ZIMBABWE |

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| **GlobalDocumentReferenceTypeCode** | **Lines: 57** |
| **Entity Instances** | |
| Applied Promotions |  |
| Approval | Authorization Request Approval |
| ASP Claim | The unique identifier assigned by the ASP for a warranty claim. |
| ASP Part Return | The unique identifier assigned by the ASP for a part return. |
| ASP PartOrder | The unique identifier assigned by the ASP for a part order. |
| ASP Requisition | The unique identifier assigned by the ASP to reference a work order. |
| Catalog | Product Catalog. |
| Commercial Invoice |  |
| Component Failure Analysis Request Number | Failure Analysis request document that will accompany the product providing characteristics of the component failure. |
| Consumption Reference | Unique consumption reference number identifying the product consumption issue i.e. one-to-one relationship with physical flow. |
| Contract |  |
| Credit Memo | Traditional credit note or memo. |
| Customer Batch Number | Product batch number of customer. |
| Customer Order Number | In a virtual sourcing relationship, a third party trading partner is supplying a part to a customer on behalf of another company that has taken the order for the customer. In this case a Customer Order Number is associated to the request for material that is sent to the virtual trading partners. |
| Customs Number | Customs clearance number. |
| Debit Memo | Traditional debit note or memo. |
| Delivery Note |  |
| Discontinuation | Discontinuation Notice. |
| Drawing # |  |
| Fulfillment Order | Sales order or transfer order fulfilling demand out of a facility (outbound shipment). |
| Invoice |  |
| Master Event Number |  |
| Model Number |  |
| Notes |  |
| OEM Claim | The unique identifier assigned by the OEM for a warranty claim. |
| OEM Part Order | The unique identifier assigned by the OEM for a part order. |
| OEM Part Return | The unique identifier assigned by the OEM for a part return. |
| OGA | Other governmental agency issued document. |
| Original Invoice | Refers to previously issued invoice. |
| Original SBI Invoice | Refers to previously issued self-billing invoice. |
| Packing List/Packing Slip | Unique number that identifies packing form prior to shipment. |
| Product Failure Analysis Request Number | Failure Analysis request document that will accompany the product providing characteristics of the product failure. |
| Productuion Order Number | Production order number for material release. |
| Purchase Order |  |
| Purchase Order IN |  |
| Purchase Order OUT |  |
| Quote |  |
| Receipt | Document identifying the receipt of materials or products into a facility against a purchase order or transfer order (inbound shipment). |
| Replenishment Order | Purchase order or transfer order replenishing inventory into a facility (inbound shipment). |
| Requisition |  |
| Rework Purchase Order | Purchase order for materials or product returned to and reworked by a supplier. |
| RMA - Returned Material Authorization |  |
| Sales Order |  |
| Scheduling Agreement | Similar to contracts. Contains the quantity of an article that is to be ordered from a vendor and the price for article or service that is to be procured. |
| Self Billing Credit Memo | Credit Memo used in self-billing scenario. |
| Self Billing Debit Memo | Debit Memo used in self-billing scenario. |
| Self Billing Invoice | Invoice in self billing scenario. |
| Serial Number |  |
| Service Order | A document that gives a repair provider the necessary authorization to repair or upgrade a product either at the customer site or at the repair providers site. |
| Shipping Reference Identifier | A document that contains the shipping reference number which allows the product to be tracked within the outsourced logistic providers network. |
| SNCL | Shipset Number on Code List |
| Spec # |  |
| Supplier Batch Number | Product batch number of supplier. |
| Switch Authorization |  |
| Terms and Conditions |  |
| Transfer Order | Order which results in materials or products being moved from one facility to another (outbound shipment and inbound shipment). |
| Warranty Claim | Denotes a warranty claim. |
| Waybill |  |
| Work Order |  |

|  |  |
| --- | --- |
| **GlobalProductUnitOfMeasureCode** | **Lines: 62** |
| **Entity Instances** | |
| 10 Kilogram Drum |  |
| 10,000 Gallon Tankcar |  |
| 100 Board Feet |  |
| 100 Pound Drum |  |
| 1000-pack |  |
| 100-Pack |  |
| 10-pack |  |
| 115 Kilogram Drum |  |
| 15 Kilogram Drum |  |
| 20 Foot Container |  |
| 20,000 Gallon Tankcar |  |
| 20-Pack |  |
| 25 Kilogram Bulk Bag |  |
| 300 Kilogram Bulk Bag |  |
| 40 Foot Container |  |
| 50 Pound Bag |  |
| 500 Kilogram Bulk Bag |  |
| 50-pack |  |
| 55 Gallon Drum |  |
| Acre |  |
| Actual Pounds |  |
| Aluminum Pounds Only |  |
| Ampere |  |
| Angstrom |  |
| Bag |  |
| Bale |  |
| Ball |  |
| Band |  |
| Bar |  |
| Barrel |  |
| Barrel, Imperial |  |
| Barrels Per Day |  |
| Barrels Per Minute |  |
| Base Box |  |
| Base Weight |  |
| Basket |  |
| Batch |  |
| Batt |  |
| Batting Pound |  |
| Beam |  |
| Becquerel/kilogram |  |
| Belt |  |
| Billet |  |
| Bin |  |
| Bit |  |
| Block |  |
| Board |  |
| Board Feet |  |
| Bolt |  |
| Bottle |  |
| Box |  |
| British Thermal Unit (BTU) |  |
| British Thermal Units (BTUs) Per Cubic Foot |  |
| British Thermal Units (BTUs) Per Pound |  |
| Bucket |  |
| Bulk |  |
| Bulk Car Load |  |
| Bulk Pack |  |
| Bundle |  |
| Bunks |  |
| Bushel |  |
| Bushel, Dry Imperial |  |
| Bytes |  |
| Calorie |  |
| Can |  |
| Candela |  |
| Canister |  |
| Car |  |
| Carat |  |
| Carboy |  |
| Card |  |
| Carload |  |
| Carton |  |
| Cartridge |  |
| Case |  |
| Cask |  |
| Cassette |  |
| Catchweight |  |
| Cell |  |
| Centigram |  |
| Centiliter |  |
| Centimeter |  |
| Centipoise (CPS) |  |
| Chains (Land Survey) |  |
| Chest |  |
| Coil |  |
| Coil Group |  |
| Composite Product Pounds (Total Weight) |  |
| Cone |  |
| Connector |  |
| Container |  |
| Coulomb |  |
| Cover |  |
| Crate |  |
| Cubic centimeter |  |
| Cubic centimeter/second |  |
| Cubic Foot |  |
| Cubic inch |  |
| Cubic yard |  |
| Cubicmeter |  |
| Cup |  |
| Cycles |  |
| Cylinder |  |
| Day |  |
| Deal |  |
| Decagram |  |
| Decibels |  |
| Decigram |  |
| Deciliter |  |
| Decimeter |  |
| Degree Celsius |  |
| Degree Fahrenheit |  |
| Dep. Factor |  |
| Die |  |
| Disk (Disc) |  |
| Dispenser |  |
| Display |  |
| Dozen |  |
| Dram |  |
| Drum |  |
| Dry Pounds |  |
| Each |  |
| Electrical Capacitance |  |
| Farad |  |
| Fluid Ounce |  |
| Fluid Ounce (Imperial) |  |
| Fluid Ounce US |  |
| Foot |  |
| Fuel Usage (Gallons) |  |
| Gage Systems |  |
| Gallon |  |
| Gigajoules |  |
| Gill (Imperial) |  |
| Grain |  |
| Gram |  |
| Gram/Cubic Centimeter |  |
| Gram/square meter |  |
| Grams Per 100 Centimeters |  |
| Grams Per 100 Grams |  |
| Grams Per Cubic Centimeter |  |
| Grams Per Kilogram |  |
| Grams Per Liter |  |
| Grams Per Milliliter |  |
| Grams Per Square Centimeter |  |
| Grams Per Square Meter |  |
| Great Gross (Dozen Gross) |  |
| Gross |  |
| Gross Barrels |  |
| Gross Gallons |  |
| Gross Kilogram |  |
| Gross Ton |  |
| Gross Yard |  |
| Group |  |
| Half Gallon |  |
| Half Hour |  |
| Half Liter |  |
| Hank |  |
| Heat lots |  |
| Hectare |  |
| Hectoliter |  |
| Hectopascal |  |
| Hertz |  |
| Hour |  |
| Hours |  |
| Hundred Boxes |  |
| Hundred Count |  |
| Hundred Sheets |  |
| Hundredth of a Carat |  |
| Imperial Gallons |  |
| Inch |  |
| Jar |  |
| Joint |  |
| Joule |  |
| Keg |  |
| Kelvin |  |
| Kiloampere |  |
| Kilobecquerel/Kilogram |  |
| Kilobyte |  |
| Kilogram |  |
| Kilogram per cubic meter |  |
| Kilogram/Kilogram |  |
| Kilogram/square meter |  |
| Kilogramm pro Sekunde |  |
| Kilohertz |  |
| Kilojoule |  |
| Kilometer |  |
| Kilometer/hour |  |
| Kiloohm |  |
| Kilovolt |  |
| Kilowatt |  |
| Kilowatt-hour |  |
| Kit |  |
| Kubikdezimeter |  |
| Kubikmeter pro Sekunde |  |
| Lifts |  |
| Link |  |
| Liquid Pounds |  |
| Liter |  |
| Load |  |
| Lot |  |
| Lug |  |
| Mat |  |
| Megabyte |  |
| Megagram |  |
| Megagrams Per Hour |  |
| Megahertz |  |
| Megapascal |  |
| Megawatt |  |
| Meter |  |
| Meter pro Quadratsekunde |  |
| Meters per second |  |
| Microgram |  |
| Micrograms Per Cubic Meter |  |
| Micrometer |  |
| Microsecond |  |
| Mikrogram/cubic meter |  |
| Mile |  |
| Miles |  |
| Milliampere |  |
| Milliamperes |  |
| Millibar |  |
| Milligram |  |
| Milligram/cubic meter |  |
| Milligram/kilogram |  |
| Milligram/Liter |  |
| Milligrams Per Cubic Meter |  |
| Milligrams Per Square Meter |  |
| Millijoule |  |
| Milliliter |  |
| Millimeter |  |
| Millimeter H20 |  |
| Millimol |  |
| Millimol/kilogram |  |
| Million BTUs |  |
| Millipascal seconds |  |
| Millisecond |  |
| Millitesla |  |
| Millivolt |  |
| Millivolts |  |
| Milliwatt |  |
| Minute |  |
| Miter |  |
| Mol |  |
| Mol/kilogram |  |
| Month |  |
| Multichip | When 2 or more dies (chips) are merged into one package. |
| Nanometer |  |
| Nanosecond |  |
| Net Barrels |  |
| Net Gallons |  |
| Net Imperial Gallons |  |
| Net Liters |  |
| Newton |  |
| Ohm |  |
| One |  |
| One Thousand Pieces |  |
| Ounce |  |
| Pack (PAK) |  |
| Package |  |
| Packet |  |
| Pad |  |
| Pail |  |
| Pair |  |
| Pallet |  |
| Pallet (Lift) |  |
| Pallet/Unit Load |  |
| Pallete |  |
| Panel |  |
| Parcel |  |
| Parts per billion (US) |  |
| Parts per million |  |
| Pascal |  |
| Pascal second |  |
| Pennyweight |  |
| Per Hundred Pieces |  |
| Percent |  |
| Percent Per 1000 Hours |  |
| Percent Weight |  |
| Percentage |  |
| Picofarad |  |
| Piece |  |
| Pint - US liquid |  |
| Pint U.S. Dry |  |
| Plate |  |
| Pound |  |
| Pounds Per 1000 Square Feet |  |
| Pounds Per Foot |  |
| Pounds Per Gallon |  |
| Pounds Per Piece of Product |  |
| Pounds Per Pound of Product |  |
| Pounds Per Thousand |  |
| Quart - US liquid |  |
| Rack |  |
| Ream of 500 Sheets |  |
| Reel |  |
| Ring |  |
| Rod |  |
| Roll |  |
| Sack |  |
| Second |  |
| SET | Mask Set (SET) |
| Sheet |  |
| Sheet-Metric measure |  |
| Shipment |  |
| Shot |  |
| Skein |  |
| Skid |  |
| Sleeve |  |
| Slip Sheet |  |
| Spool |  |
| Square |  |
| Square foot |  |
| Square inch |  |
| Square kilometer |  |
| Square meter |  |
| Square meter/second |  |
| Square mile |  |
| Square millimeter |  |
| Square Yard |  |
| Statute Mile |  |
| Stick |  |
| Strip |  |
| Super Bulk Bag |  |
| Tablet |  |
| Tank |  |
| Tank Truck |  |
| Tesla |  |
| Thousand |  |
| Ton |  |
| Tonne |  |
| Torr |  |
| Tote |  |
| Track Foot |  |
| Trailer |  |
| Train |  |
| Tray |  |
| Troy |  |
| Troy OZ |  |
| Truckload |  |
| Tube |  |
| Unit | Measurement in terms of a unit for a product. |
| Unitless Unit of Measure |  |
| US gallon |  |
| US pound |  |
| US ton |  |
| Vial |  |
| Volt |  |
| Volts (Alternating Current) |  |
| Volts (Direct Current) |  |
| Volts Per Meter |  |
| Wafer |  |
| Watt |  |
| Week |  |
| WF | Wafer (WF) |
| Wrap |  |
| Yard |  |
| Year |  |

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| --- | --- |
| **inventoryOwner** | **Lines: 152** |
| **Constraint:** At least one business identifier must be provided: "businessName", "GlobalBusinessIdentifier" or at least one entity in "PartnerBusinessIdentification". |  |

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| --- | --- |
| **GlobalInventoryCode** | **Lines: 161** |
| **Entity Instances** | |
| Available |  |
| Balance On Hand | On-Hand Inventory plus Consigned Inventory and other adjustments. |
| Committed |  |
| Consigned |  |
| Defective |  |
| Finished Goods |  |
| In Transit Between Partners | Product quantity which is en route from one location to another and has not been systematically received into an application system at the destination location. |
| In Transit Within Partner |  |
| Non-saleable |  |
| On Hold |  |
| Open Box |  |
| Quality Assurance |  |
| Raw |  |
| Work In Process |  |

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| --- | --- |
| **InventoryItemIdentification** | **Lines: 162** |
| **Constraint:** At least one occurrence of countryOfOrigin, ProprietaryLotIdentifier, manufactureDate, or SerialNumberIdentification is mandatory. If InventoryItemIdentification is used to identify the attributes of an inventory item, there must be a separate InventoryItemIdentification occurence for each item. The total number of InventoryItemIdentification occurences must equal the ProductQuantity. |  |

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| **ProductIdentification** | **Lines: 172** |
| **Constraint:** One instance of either "GlobalProductIdentifier" or "PartnerProductIdentification" is mandatory. |  |

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| --- | --- | --- |
| **Business Properties ( 26 )** | | |
| **Name** | **Definition** |  |
| addressLine1 | The first line of a physical address. |  |
| addressLine2 | The second line of a physical address. |  |
| addressLine3 | The third line of a physical address. |  |
| businessName | The name of a business entity. |  |
| cityName | The name of a city. |  |
| contactName | Name of the contact person(s) within the organization. |  |
| countryOfOrigin | Country where product originates. |  |
| facsimileNumber | The numerical schema designed to achieve contact via facsimile. |  |
| fromRole | The role initiating a business document exchange. |  |
| internalBusinessEntity | Identifies proprietary divisions, planning units, organizations, warehouses, or any other grouping that would cause different contacts or different planning and procurement information. Used to distinguish between multiple divisions. |  |
| inTransitFrom | The party sending the product quantity in a product location transfer. |  |
| inTransitQuantity | The product quantity of stock that is in-transit between parties. |  |
| inTransitTo | The party receiving the product quantity in a product location transfer. |  |
| inventoryLocation | The party where the inventory product entry is located. |  |
| inventoryOwner | The party that owns the inventory product entry. |  |
| inventoryReportDateTime | The date and time stamp for which inventory information is captured for reporting. |  |
| manufactureDate | The date the product was manufactured. |  |
| postOfficeBoxIdentifier | The proprietary identity of a physical address, located at a post office, designed solely to accept and receive mail. |  |
| regionName | The name of a state or province within a country. |  |
| revisionIdentifier | Free form text that identifies a revision to a proprietary serial number. |  |
| stockedLot | The identifier of a manufacturing lot from which a quantity of product was stocked. |  |
| stockedLotQuantity | The quantity of product stocked from a specific manufacturing lot. |  |
| telephoneNumber | The numerical schema designed to achieve contact via telephone. |  |
| thisDocumentGenerationDateTime | The date-time stamp indicating when this business document was generated. |  |
| thisDocumentIdentifier | The information that identifies the business document being sent. This identifier is used to represent the specific business document associated with the defined business process. |  |
| toRole | The role receiving the document in a business document exchange. |  |

|  |  |  |
| --- | --- | --- |
| **Business Data Entities ( 18 )** | | |
| **Name** | **Definition** |  |
| BusinessDescription | The collection of business properties that describe a business identity and location. |  |
| ContactInformation | The collection of business properties that provide communication and address information for contacting a person, organization or business. |  |
| DocumentReference | The collection of business properties that allows the description of multiple proprietary documents and applicable line number references. |  |
| IntraCompanyTransfer | The collection of business properties that describe a quantity of product stock in transit within a partner. |  |
| InventoryItemIdentification | The collection of business properties that describe an individual item held in inventory. |  |
| InventoryProductQuantity | The collection of business properties that describe the various types of product quantity held in inventory. |  |
| InventoryReport | The collection of business properties that describe a product in inventory at a specific point in time. |  |
| InventoryReportLineItem | The collection of business properties that describe a product entry on an inventory report. |  |
| LotReference | The collection of business properties that describe a manufacturing lot tendered for shipping. |  |
| PartnerBusinessIdentification | The collection of business properties that allow for the proprietary identification of a business entity. |  |
| PartnerDescription | The collection of business properties that describe a business partners identity, their contact information, where they are physically located and their function in a supply chain. |  |
| PartnerLocationIdentification | The collection of business properties that allow for the proprietary identification of a business location. |  |
| PartnerProductIdentification | The collection of business properties that describe proprietary part information. |  |
| PartnerRoleDescription | The collection of business properties that describe a business partners role in a partner interface process. |  |
| PhysicalAddress | The actual physical location of an entity as prescribed by local postal authorities, including country identification as it relates to the party or a product. |  |
| PhysicalLocation | The collection of business properties that identify and describe the actual physical location of an entity as prescribed by local postal authorities, including country identification. |  |
| ProductIdentification | The collection of business properties that describe proprietary and global identifier information regarding a product. |  |
| SerialNumberIdentification | The collection of business properties that describe a collection of non-sequential serial numbers. |  |

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| --- | --- | --- | --- | --- | --- |
| **Fundamental Business Data Entities ( 28 )** | | | | | |
| **Name** | **Definition** | **Type** | **Min** | **Max** | **Representation** |
| CommunicationsNumber | The electro-technical communication number, e.g., telephone number, facsimile number, pager number. | String | 1 | 30 | X(30) |
| DateTimeStamp | Specifies an instance in time. Based on the ISO 8601 specification where "YYYY" represents the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss.sss" represent hour, minute and second respectively. This representation is immediately followed by a "Z" to indicate Coordinated Universal Time. Informal format: YYYYMMDDThhmmss | DateTime | 13 | 20 | 9(8)X9(6)V9(3)X |
| DeviceNumber | Unique device identifier assigned to the each Individual Item in Inventory. | String | 1 |  |  |
| EmailAddress | Electronic mail address. | String | 1 |  |  |
| FreeFormText | Unformatted text. | String | 1 |  |  |
| GlobalBusinessIdentifier | A unique business identifier. The DUNS number is specified by RosettaNet. | Integer | 9 | 9 | 9(9) |
| GlobalCountryCode | Code identifying the two character country code specified in ISO 3166-1:2006. | String | 2 | 2 | X(2) |
| GlobalDocumentFunctionCode | Code identifying the function of a document as either a request or a response. | String | 1 |  |  |
| GlobalDocumentReferenceTypeCode | Code identifying the type of business document used for referencing within another business document. | String | 1 |  |  |
| GlobalInventoryCode | Code identifying the inventory status of a quantity of product. | String | 1 |  |  |
| GlobalLocationIdentifier | Location uniquely identified by the DUNS +4 number. | String | 10 | 13 | 9(9)X(4) |
| GlobalPartnerClassificationCode | Code identifying a partners function in the supply chain. | String | 1 |  |  |
| GlobalPartnerRoleClassificationCode | Code identifying a partys role in the supply chain. | String | 1 |  |  |
| GlobalProductIdentifier | Global unique product identifier. RosettaNet has adopted the Global Trade Identification Number (GTIN). | String | 14 | 14 | 9(14) |
| GlobalProductUnitOfMeasureCode | Code identifying a product unit of measure. | String | 1 |  |  |
| GlobalSupplyChainCode | Code identifying the supply chain for the partners function. | String | 1 |  |  |
| LineNumber | Number of the line in the document. | String | 1 |  |  |
| NationalPostalCode | Code identifying geographic location as specified by a national postal code. | String | 1 |  |  |
| ProductQuantity | A quantity specifying the number of product units. | Real | 1 |  |  |
| ProprietaryBusinessIdentifier | A unique business identifier assigned and administered by a private authority. | String | 1 |  |  |
| ProprietaryDocumentIdentifier | Unique identifier, i.e. a numeric value or alphanumeric value, for a business document. | String | 1 |  |  |
| ProprietaryDomainIdentifier | A descriptor that is used to categorize an organization or business entity that is in the Proprietary Business Identifier. | String | 1 |  |  |
| ProprietaryIdentifierAuthority | A unique name that identifies an organization or business entity that is responsible for managing one or more lists of identifiers. | String | 1 |  |  |
| ProprietaryLocationIdentifier | A unique location identifier assigned and administered by a private authority. | String | 1 |  |  |
| ProprietaryLotIdentifier | A unique identifier representing the manufacturing lot of a Global Product Identifier. | String | 1 |  |  |
| ProprietaryProductIdentifier | An internal identifier used to identify a product. | String | 1 |  |  |
| ProprietarySerialIdentifier | Unique serial identifier assigned to the product. | String | 1 |  |  |
| RevisionNumber | An incremental number used to identify changes. | String | 1 |  |  |

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| --- | --- | --- | --- | --- | --- |
| **Quantitative Fundamental Business Data Entities ( 0 )** | | | | | |
| **Name** | **Definition** | **Type** | **Min** | **Max** | **Representation** |

Advanced Ship Notification Inbound

|  |  |  |
| --- | --- | --- |
| 1 | 1 | AdvancedShipmentNotification |
| 2 | 1 | |-- BuyingPartner |
| 3 | 1 | |    |-- purchasedBy.PartnerDescription |
| 4 | 1 | |    |    |-- BusinessDescription |
| 5 | 0..1 | |    |    |    |-- businessName.FreeFormText |
| 6 | 0..1 | |    |    |    |-- GlobalBusinessIdentifier |
| 7 | 0..n | |    |    |    |-- PartnerBusinessIdentification |
| 8 | 1 | |    |    |    |    |-- ProprietaryBusinessIdentifier |
| 9 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 10 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 11 | 0..1 | |    |    |-- ContactInformation |
| 12 | 1 | |    |    |    |-- contactName.FreeFormText |
| 13 | 1 | |    |    |    |-- EmailAddress |
| 14 | 0..1 | |    |    |    |-- facsimileNumber.CommunicationsNumber |
| 15 | 0..1 | |    |    |    |-- telephoneNumber.CommunicationsNumber |
| 16 | 1 | |    |    |-- GlobalPartnerClassificationCode |
| 17 | 0..1 | |    |    |-- PhysicalLocation |
| 18 | 0..1 | |    |    |    |-- GlobalLocationIdentifier |
| 19 | 0..n | |    |    |    |-- PartnerLocationIdentification |
| 20 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 21 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 22 | 1 | |    |    |    |    |-- ProprietaryLocationIdentifier |
| 23 | 0..1 | |    |    |    |-- PhysicalAddress |
| 24 | 0..1 | |    |    |    |    |-- addressLine1.FreeFormText |
| 25 | 0..1 | |    |    |    |    |-- addressLine2.FreeFormText |
| 26 | 0..1 | |    |    |    |    |-- addressLine3.FreeFormText |
| 27 | 0..1 | |    |    |    |    |-- cityName.FreeFormText |
| 28 | 0..1 | |    |    |    |    |-- GlobalCountryCode |
| 29 | 0..1 | |    |    |    |    |-- NationalPostalCode |
| 30 | 0..1 | |    |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 31 | 0..1 | |    |    |    |    |-- regionName.FreeFormText |
| 32 | 1 | |-- OriginatingPartner |
| 33 | 1 | |    |-- shipFrom.PartnerDescription |
| 34 | 1 | |    |    |-- BusinessDescription |
| 35 | 0..1 | |    |    |    |-- businessName.FreeFormText |
| 36 | 0..1 | |    |    |    |-- GlobalBusinessIdentifier |
| 37 | 0..n | |    |    |    |-- PartnerBusinessIdentification |
| 38 | 1 | |    |    |    |    |-- ProprietaryBusinessIdentifier |
| 39 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 40 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 41 | 0..1 | |    |    |-- ContactInformation |
| 42 | 1 | |    |    |    |-- contactName.FreeFormText |
| 43 | 1 | |    |    |    |-- EmailAddress |
| 44 | 0..1 | |    |    |    |-- facsimileNumber.CommunicationsNumber |
| 45 | 0..1 | |    |    |    |-- telephoneNumber.CommunicationsNumber |
| 46 | 1 | |    |    |-- GlobalPartnerClassificationCode |
| 47 | 0..1 | |    |    |-- PhysicalLocation |
| 48 | 0..1 | |    |    |    |-- GlobalLocationIdentifier |
| 49 | 0..n | |    |    |    |-- PartnerLocationIdentification |
| 50 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 51 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 52 | 1 | |    |    |    |    |-- ProprietaryLocationIdentifier |
| 53 | 0..1 | |    |    |    |-- PhysicalAddress |
| 54 | 0..1 | |    |    |    |    |-- addressLine1.FreeFormText |
| 55 | 0..1 | |    |    |    |    |-- addressLine2.FreeFormText |
| 56 | 0..1 | |    |    |    |    |-- addressLine3.FreeFormText |
| 57 | 0..1 | |    |    |    |    |-- cityName.FreeFormText |
| 58 | 0..1 | |    |    |    |    |-- GlobalCountryCode |
| 59 | 0..1 | |    |    |    |    |-- NationalPostalCode |
| 60 | 0..1 | |    |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 61 | 0..1 | |    |    |    |    |-- regionName.FreeFormText |
| 62 | 1 | |-- SellingPartner |
| 63 | 1 | |    |-- soldBy.PartnerDescription |
| 64 | 1 | |    |    |-- BusinessDescription |
| 65 | 0..1 | |    |    |    |-- businessName.FreeFormText |
| 66 | 0..1 | |    |    |    |-- GlobalBusinessIdentifier |
| 67 | 0..n | |    |    |    |-- PartnerBusinessIdentification |
| 68 | 1 | |    |    |    |    |-- ProprietaryBusinessIdentifier |
| 69 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 70 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 71 | 0..1 | |    |    |-- ContactInformation |
| 72 | 1 | |    |    |    |-- contactName.FreeFormText |
| 73 | 1 | |    |    |    |-- EmailAddress |
| 74 | 0..1 | |    |    |    |-- facsimileNumber.CommunicationsNumber |
| 75 | 0..1 | |    |    |    |-- telephoneNumber.CommunicationsNumber |
| 76 | 1 | |    |    |-- GlobalPartnerClassificationCode |
| 77 | 0..1 | |    |    |-- PhysicalLocation |
| 78 | 0..1 | |    |    |    |-- GlobalLocationIdentifier |
| 79 | 0..n | |    |    |    |-- PartnerLocationIdentification |
| 80 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 81 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 82 | 1 | |    |    |    |    |-- ProprietaryLocationIdentifier |
| 83 | 0..1 | |    |    |    |-- PhysicalAddress |
| 84 | 0..1 | |    |    |    |    |-- addressLine1.FreeFormText |
| 85 | 0..1 | |    |    |    |    |-- addressLine2.FreeFormText |
| 86 | 0..1 | |    |    |    |    |-- addressLine3.FreeFormText |
| 87 | 0..1 | |    |    |    |    |-- cityName.FreeFormText |
| 88 | 0..1 | |    |    |    |    |-- GlobalCountryCode |
| 89 | 0..1 | |    |    |    |    |-- NationalPostalCode |
| 90 | 0..1 | |    |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 91 | 0..1 | |    |    |    |    |-- regionName.FreeFormText |
| 92 | 1 | |-- Shipment |
| 93 | 0..1 | |    |-- freightPaymentAccount.AccountNumber |
| 94 | 1..n | |    |-- GlobalCarrierCode |
| 95 | 0..1 | |    |-- GlobalIncotermsCode |
| 96 | 0..1 | |    |-- GlobalShipmentChangeDispositionCode |
| 97 | 0..1 | |    |-- GlobalShipmentModeCode |
| 98 | 1 | |    |-- GlobalShippingServiceLevelCode |
| 99 | 1 | |    |-- numberOfShippingContainers.CountableAmount |
| 100 | 1 | |    |-- ReceivingPartner |
| 101 | 1 | |    |    |-- shipTo.PartnerDescription |
| 102 | 1 | |    |    |    |-- BusinessDescription |
| 103 | 0..1 | |    |    |    |    |-- businessName.FreeFormText |
| 104 | 0..1 | |    |    |    |    |-- GlobalBusinessIdentifier |
| 105 | 0..n | |    |    |    |    |-- PartnerBusinessIdentification |
| 106 | 1 | |    |    |    |    |    |-- ProprietaryBusinessIdentifier |
| 107 | 1 | |    |    |    |    |    |-- ProprietaryDomainIdentifier |
| 108 | 0..1 | |    |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 109 | 0..1 | |    |    |    |-- ContactInformation |
| 110 | 1 | |    |    |    |    |-- contactName.FreeFormText |
| 111 | 1 | |    |    |    |    |-- EmailAddress |
| 112 | 0..1 | |    |    |    |    |-- facsimileNumber.CommunicationsNumber |
| 113 | 0..1 | |    |    |    |    |-- telephoneNumber.CommunicationsNumber |
| 114 | 1 | |    |    |    |-- GlobalPartnerClassificationCode |
| 115 | 0..1 | |    |    |    |-- PhysicalLocation |
| 116 | 0..1 | |    |    |    |    |-- GlobalLocationIdentifier |
| 117 | 0..n | |    |    |    |    |-- PartnerLocationIdentification |
| 118 | 1 | |    |    |    |    |    |-- ProprietaryDomainIdentifier |
| 119 | 0..1 | |    |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 120 | 1 | |    |    |    |    |    |-- ProprietaryLocationIdentifier |
| 121 | 0..1 | |    |    |    |    |-- PhysicalAddress |
| 122 | 0..1 | |    |    |    |    |    |-- addressLine1.FreeFormText |
| 123 | 0..1 | |    |    |    |    |    |-- addressLine2.FreeFormText |
| 124 | 0..1 | |    |    |    |    |    |-- addressLine3.FreeFormText |
| 125 | 0..1 | |    |    |    |    |    |-- cityName.FreeFormText |
| 126 | 0..1 | |    |    |    |    |    |-- GlobalCountryCode |
| 127 | 0..1 | |    |    |    |    |    |-- NationalPostalCode |
| 128 | 0..1 | |    |    |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 129 | 0..1 | |    |    |    |    |    |-- regionName.FreeFormText |
| 130 | 0..1 | |    |-- shipmentChangeReason.FreeFormText |
| 131 | 1 | |    |-- shipmentIdentifier.ProprietaryReferenceIdentifier |
| 132 | 1..n | |    |-- ShipmentTransportationEvent |
| 133 | 1 | |    |    |-- DateStamp |
| 134 | 1 | |    |    |-- GlobalShipDateCode |
| 135 | 1..n | |    |-- ShippingContainer |
| 136 | 0..1 | |    |    |-- GlobalPackageTypeCode |
| 137 | 0..1 | |    |    |-- LinearPhysicalDimension |
| 138 | 1 | |    |    |    |-- GlobalPhysicalUnitOfMeasureCode |
| 139 | 0..1 | |    |    |    |-- HeightDimension |
| 140 | 0..1 | |    |    |    |-- LengthDimension |
| 141 | 0..1 | |    |    |    |-- WidthDimension |
| 142 | 0..1 | |    |    |-- MassPhysicalDimension |
| 143 | 0..1 | |    |    |    |-- Volume |
| 144 | 1 | |    |    |    |    |-- GlobalPhysicalUnitOfMeasureCode |
| 145 | 1 | |    |    |    |    |-- Mass |
| 146 | 1 | |    |    |    |-- Weight |
| 147 | 1 | |    |    |    |    |-- GlobalPhysicalUnitOfMeasureCode |
| 148 | 1 | |    |    |    |    |-- Mass |
| 149 | 0..1 | |    |    |-- numberOfShippingContainers.CountableAmount |
| 150 | 0..1 | |    |    |-- shippingContainerIdentifier.ProprietarySerialIdentifier |
| 151 | 0..n | |    |    |-- ShippingContainerItem |
| 152 | 1..n | |    |    |    |-- DocumentSubLineLotShipReference |
| 153 | 1 | |    |    |    |    |-- GlobalDocumentReferenceTypeCode |
| 154 | 0..1 | |    |    |    |    |-- LineNumber |
| 155 | 0..n | |    |    |    |    |-- LotShipReference |
| 156 | 0..1 | |    |    |    |    |    |-- expiryDate.DateStamp |
| 157 | 1 | |    |    |    |    |    |-- LotIdentification |
| 158 | 1 | |    |    |    |    |    |    |-- primaryLotIdentifier.ProprietaryReferenceIdentifier |
| 159 | 0..1 | |    |    |    |    |    |    |-- secondaryLotIdentifier.ProprietaryReferenceIdentifier |
| 160 | 1..n | |    |    |    |    |    |-- LotQuantity |
| 161 | 1 | |    |    |    |    |    |    |-- GlobalLotQuantityClassificationCode |
| 162 | 1 | |    |    |    |    |    |    |-- GlobalProductUnitOfMeasureCode |
| 163 | 1 | |    |    |    |    |    |    |-- ProductQuantity |
| 164 | 0..1 | |    |    |    |    |    |-- manufacturingDateCode.ProprietaryReferenceIdentifier |
| 165 | 1 | |    |    |    |    |-- ProprietaryDocumentIdentifier |
| 166 | 0..1 | |    |    |    |    |-- requestedQuantity.ProductQuantity |
| 167 | 1 | |    |    |    |    |-- shippedLotQuantity.ProductQuantity |
| 168 | 0..1 | |    |    |    |    |-- subLineNumber.LineNumber |
| 169 | 0..n | |    |    |    |-- ExportLicense |
| 170 | 0..1 | |    |    |    |    |-- NationalExportControlClassificationCode |
| 171 | 1 | |    |    |    |-- GlobalProductUnitOfMeasureCode |
| 172 | 0..n | |    |    |    |-- HazardousMaterialDescription |
| 173 | 1 | |    |    |    |    |-- NationalHazardousMaterialUnitedNationsClassificationCode |
| 174 | 1 | |    |    |    |-- isContainsHazardousMaterial.AffirmationIndicator |
| 175 | 0..n | |    |    |    |-- ManufacturerProfile |
| 176 | 0..1 | |    |    |    |    |-- countryOfOrigin.GlobalCountryCode |
| 177 | 0..1 | |    |    |    |    |-- manufactureDate.DateStamp |
| 178 | 0..1 | |    |    |    |    |-- parentProductSerialIdentifier.ProprietarySerialIdentifier |
| 179 | 0..1 | |    |    |    |    |-- productSerialIdentifier.ProprietarySerialIdentifier |
| 180 | 0..1 | |    |    |    |-- NationalHarmonizedTariffScheduleCode |
| 181 | 0..1 | |    |    |    |-- numberOfItemPackages.CountableAmount |
| 182 | 1 | |    |    |    |-- ProductIdentification |
| 183 | 0..1 | |    |    |    |    |-- GlobalProductIdentifier |
| 184 | 0..n | |    |    |    |    |-- PartnerProductIdentification |
| 185 | 1 | |    |    |    |    |    |-- GlobalPartnerClassificationCode |
| 186 | 1 | |    |    |    |    |    |-- ProprietaryProductIdentifier |
| 187 | 0..1 | |    |    |    |    |    |-- revisionIdentifier.FreeFormText |
| 188 | 1 | |    |    |    |-- shippedQuantity.ProductQuantity |
| 189 | 0..1 | |    |    |    |-- shippingContainerItemIdentifier.ProprietarySerialIdentifier |
| 190 | 0..n | |    |    |    |-- traceIdentifier.ProprietaryLotIdentifier |
| 191 | 0..n | |    |    |-- SubContainer |
| 192 | 1 | |    |    |    |-- (ShippingContainer) |
| 193 | 0..1 | |    |    |-- TrackingReference |
| 194 | 1 | |    |    |    |-- GlobalTrackingReferenceTypeCode |
| 195 | 1 | |    |    |    |-- ProprietaryShipmentTrackingIdentifier |
| 196 | 0..n | |    |-- TrackingReference |
| 197 | 1 | |    |    |-- GlobalTrackingReferenceTypeCode |
| 198 | 1 | |    |    |-- ProprietaryShipmentTrackingIdentifier |
| 199 | 1 | |    |-- transportedBy.PartnerDescription |
| 200 | 1 | |    |    |-- BusinessDescription |
| 201 | 0..1 | |    |    |    |-- businessName.FreeFormText |
| 202 | 0..1 | |    |    |    |-- GlobalBusinessIdentifier |
| 203 | 0..n | |    |    |    |-- PartnerBusinessIdentification |
| 204 | 1 | |    |    |    |    |-- ProprietaryBusinessIdentifier |
| 205 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 206 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 207 | 0..1 | |    |    |-- ContactInformation |
| 208 | 1 | |    |    |    |-- contactName.FreeFormText |
| 209 | 1 | |    |    |    |-- EmailAddress |
| 210 | 0..1 | |    |    |    |-- facsimileNumber.CommunicationsNumber |
| 211 | 0..1 | |    |    |    |-- telephoneNumber.CommunicationsNumber |
| 212 | 1 | |    |    |-- GlobalPartnerClassificationCode |
| 213 | 0..1 | |    |    |-- PhysicalLocation |
| 214 | 0..1 | |    |    |    |-- GlobalLocationIdentifier |
| 215 | 0..n | |    |    |    |-- PartnerLocationIdentification |
| 216 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 217 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 218 | 1 | |    |    |    |    |-- ProprietaryLocationIdentifier |
| 219 | 0..1 | |    |    |    |-- PhysicalAddress |
| 220 | 0..1 | |    |    |    |    |-- addressLine1.FreeFormText |
| 221 | 0..1 | |    |    |    |    |-- addressLine2.FreeFormText |
| 222 | 0..1 | |    |    |    |    |-- addressLine3.FreeFormText |
| 223 | 0..1 | |    |    |    |    |-- cityName.FreeFormText |
| 224 | 0..1 | |    |    |    |    |-- GlobalCountryCode |
| 225 | 0..1 | |    |    |    |    |-- NationalPostalCode |
| 226 | 0..1 | |    |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 227 | 0..1 | |    |    |    |    |-- regionName.FreeFormText |
| 228 | 1 | fromRole.PartnerRoleDescription |
| 229 | 1 | |-- ContactInformation |
| 230 | 1 | |    |-- contactName.FreeFormText |
| 231 | 1 | |    |-- EmailAddress |
| 232 | 0..1 | |    |-- facsimileNumber.CommunicationsNumber |
| 233 | 1 | |    |-- telephoneNumber.CommunicationsNumber |
| 234 | 1 | |-- GlobalPartnerRoleClassificationCode |
| 235 | 1 | |-- PartnerDescription |
| 236 | 1 | |    |-- BusinessDescription |
| 237 | 1 | |    |    |-- GlobalBusinessIdentifier |
| 238 | 0..1 | |    |    |-- GlobalSupplyChainCode |
| 239 | 1 | |    |-- GlobalPartnerClassificationCode |
| 240 | 1 | GlobalDocumentFunctionCode |
| 241 | 1 | thisDocumentGenerationDateTime.DateTimeStamp |
| 242 | 1 | thisDocumentIdentifier.ProprietaryDocumentIdentifier |
| 243 | 1 | toRole.PartnerRoleDescription |
| 244 | 0..1 | |-- ContactInformation |
| 245 | 1 | |    |-- contactName.FreeFormText |
| 246 | 1 | |    |-- EmailAddress |
| 247 | 0..1 | |    |-- facsimileNumber.CommunicationsNumber |
| 248 | 1 | |    |-- telephoneNumber.CommunicationsNumber |
| 249 | 1 | |-- GlobalPartnerRoleClassificationCode |
| 250 | 1 | |-- PartnerDescription |
| 251 | 1 | |    |-- BusinessDescription |
| 252 | 1 | |    |    |-- GlobalBusinessIdentifier |
| 253 | 0..1 | |    |    |-- GlobalSupplyChainCode |
| 254 | 1 | |    |-- GlobalPartnerClassificationCode |

**Guideline Information**

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| **BusinessDescription** | **Lines: 4 34 64 102 200 236 251** |
| **Constraint:** At least one business identifier must be provided: "businessName", "GlobalBusinessIdentifier" or at least one entity in "PartnerBusinessIdentification". |  |

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| **GlobalPartnerClassificationCode** | **Lines: 16 46 76 114 185 212 239 254** |
| **Entity Instances** | |
| Broker | Representative of a third party. |
| Carrier | Product carrier for transporting goods in supply chain. |
| Contract Manufacturer | The party responsible for the services rendered. |
| Customs Broker | Product customs broker in supply chain. |
| Distribution Center | Product distributor in supply chain. |
| Distributor | Product distributor in supply chain. |
| End User | Product end user in supply chain. |
| End User Government | End user government. |
| Financier | Financial service provider in supply chain |
| Freight Forwarder | Product freight forwarder for transporting goods in supply chain. |
| Manufacturer | Product manufacturer in supply chain. |
| Manufacturing Division | A separate unit of a manufacturer. |
| Original Equipment Manufacturer | Product manufacturer of original equipment in the supply chain. |
| Reseller | The party who buys goods from a manufacturer and resells them to customers unchanged. |
| Retailer | Product retailer in supply chain. |
| Service Provider | A provider of services such as repair, diagnoses, maintainence, installation or removal of a unit. |
| Shopper | Product shopper in supply chain. |
| Supplier | Used to identify a supplier’s part number or the model number of the product or service. |
| Warehouser | Product warehouser in supply chain. |

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| **PhysicalLocation** | **Lines: 17 47 77 115 213** |
| **Constraint:** At least one occurrence of "GlobalLocationIdentifier", "PartnerLocationIdentifier" or "PhysicalAddress" is required. |  |

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| **PhysicalAddress** | **Lines: 23 53 83 121 219** |
| **Constraint:** At least one associated element under PhysicalAddress is required, if "GlobalLocationIdentifier" or "PartnerLocationIdentifier" is not provided. |  |

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| **GlobalCountryCode** | **Lines: 28 58 88 126 176 224** |
| **Entity Instances** | |
| AD | ANDORRA |
| AE | UNITED ARAB EMIRATES |
| AF | AFGHANISTAN |
| AG | ANTIGUA AND BARBUDA |
| AI | ANGUILLA |
| AL | ALBANIA |
| AM | ARMENIA |
| AN | NETHERLANDS ANTILLES |
| AO | ANGOLA |
| AQ | ANTARCTICA |
| AR | ARGENTINA |
| AS | AMERICAN SAMOA |
| AT | AUSTRIA |
| AU | AUSTRALIA |
| AW | ARUBA |
| AX | ÅLAND ISLANDS |
| AZ | AZERBAIJAN |
| BA | BOSNIA AND HERZEGOVINA |
| BB | BARBADOS |
| BD | BANGLADESH |
| BE | BELGIUM |
| BF | BURKINA FASO |
| BG | BULGARIA |
| BH | BAHRAIN |
| BI | BURUNDI |
| BJ | BENIN |
| BL | SAINT BARTHELEMY |
| BM | BERMUDA |
| BN | BRUNEI DARUSSALAM |
| BO | BOLIVIA |
| BR | BRAZIL |
| BS | BAHAMAS |
| BT | BHUTAN |
| BV | BOUVET ISLAND |
| BW | BOTSWANA |
| BY | BELARUS |
| BZ | BELIZE |
| CA | CANADA |
| CC | COCOS (KEELING) ISLANDS |
| CD | CONGO, THE DEMOCRATIC REPUBLIC OF THE |
| CF | CENTRAL AFRICAN REPUBLIC |
| CG | CONGO |
| CH | SWITZERLAND |
| CI | CÔTE D'IVOIRE |
| CK | COOK ISLANDS |
| CL | CHILE |
| CM | CAMEROON |
| CN | CHINA |
| CO | COLOMBIA |
| CR | COSTA RICA |
| CS | SERBIA AND MONTENEGRO |
| CU | CUBA |
| CV | CAPE VERDE |
| CX | CHRISTMAS ISLAND |
| CY | CYPRUS |
| CZ | CZECH REPUBLIC |
| DE | GERMANY |
| DJ | DJIBOUTI |
| DK | DENMARK |
| DM | DOMINICA |
| DO | DOMINICAN REPUBLIC |
| DZ | ALGERIA |
| EC | ECUADOR |
| EE | ESTONIA |
| EG | EGYPT |
| EH | WESTERN SAHARA |
| ER | ERITREA |
| ES | SPAIN |
| ET | ETHIOPIA |
| FI | FINLAND |
| FJ | FIJI |
| FK | FALKLAND ISLANDS (MALVINAS) |
| FM | MICRONESIA, FEDERATED STATES |
| FO | FAROE ISLANDS |
| FR | FRANCE |
| GA | GABON |
| GB | UNITED KINGDOM |
| GD | GRENADA |
| GE | GEORGIA |
| GF | FRENCH GUIANA |
| GG | GUERNSEY |
| GH | GHANA |
| GI | GIBRALTAR |
| GL | GREENLAND |
| GM | GAMBIA |
| GN | GUINEA |
| GP | GUADELOUPE |
| GQ | EQUATORIAL GUINEA |
| GR | GREECE |
| GS | SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS |
| GT | GUATEMALA |
| GU | GUAM |
| GW | GUINEA-BISSAU |
| GY | GUYANA |
| HK | HONG KONG |
| HM | HEARD ISLAND AND MCDONALD ISLANDS |
| HN | HONDURAS |
| HR | CROATIA |
| HT | HAITI |
| HU | HUNGARY |
| ID | INDONESIA |
| IE | IRELAND |
| IL | ISRAEL |
| IM | ISLE OF MAN |
| IN | INDIA |
| IO | BRITISH INDIAN OCEAN TERRITORY |
| IQ | IRAQ |
| IR | IRAN, ISLAMIC REPUBLIC OF |
| IS | ICELAND |
| IT | ITALY |
| JE | JERSEY |
| JM | JAMAICA |
| JO | JORDAN |
| JP | JAPAN |
| KE | KENYA |
| KG | KYRGYSTAN |
| KH | CAMBODIA |
| KI | KIRIBATI |
| KM | COMOROS |
| KN | SAINT KITTS AND NEVIS |
| KP | KOREA, DEMOCRATIC PEOPLE'S REP. OF |
| KR | KOREA, REPUBLIC OF |
| KW | KUWAIT |
| KY | CAYMAN ISLANDS |
| KZ | KAZAKSTAN |
| LA | LAO PEOPLE'S DEMOCRATIC REPUBLIC |
| LB | LEBANON |
| LC | SAINT LUCIA |
| LI | LIECHTENSTEIN |
| LK | SRI LANKA |
| LR | LIBERIA |
| LS | LESOTHO |
| LT | LITHUANIA |
| LU | LUXEMBOURG |
| LV | LATVIA |
| LY | LIBYAN ARAB JAMAHIRIYA |
| MA | MOROCCO |
| MC | MONACO |
| MD | MOLDOVA, REPUBLIC OF |
| ME | MONTENEGRO |
| MF | SAINT MARTIN |
| MG | MADAGASCAR |
| MH | MARSHALL ISLANDS |
| MK | MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF |
| ML | MALI |
| MM | MYANMAR |
| MN | MONGOLIA |
| MO | MACAU |
| MP | NORTHERN MARIANA ISLANDS |
| MQ | MARTINIQUE |
| MR | MAURITANIA |
| MS | MONTSERRAT |
| MT | MALTA |
| MU | MAURITIUS |
| MV | MALDIVES |
| MW | MALAWI |
| MX | MEXICO |
| MY | MALAYSIA |
| MZ | MOZAMBIQUE |
| NA | NAMIBIA |
| NC | NEW CALEDONIA |
| NE | NIGER |
| NF | NORFOLK ISLAND |
| NG | NIGERIA |
| NI | NICARAGUA |
| NL | NETHERLANDS |
| NO | NORWAY |
| NP | NEPAL |
| NR | NAURU |
| NT | NEUTRAL ZONE |
| NU | NIUE |
| NZ | NEW ZEALAND |
| OM | OMAN |
| PA | PANAMA |
| PE | PERU |
| PF | FRENCH POLYNESIA |
| PG | PAPUA NEW GUINEA |
| PH | PHILIPPINES |
| PK | PAKISTAN |
| PL | POLAND |
| PM | SAINT PIERRE AND MIQUELON |
| PN | PITCAIRN |
| PR | PUERTO RICO |
| PS | PALESTINIAN TERRITORY, OCCUPIED |
| PT | PORTUGAL |
| PW | PALAU |
| PY | PARAGUAY |
| QA | QATAR |
| RE | REUNION |
| RO | ROMANIA |
| RS | SERBIA |
| RU | RUSSIAN FEDERATION |
| RW | RWANDA |
| SA | SAUDI ARABIA |
| SB | SOLOMON ISLANDS |
| SC | SEYCHELLES |
| SD | SUDAN |
| SE | SWEDEN |
| SG | SINGAPORE |
| SH | SAINT HELENA |
| SI | SLOVENIA |
| SJ | SVALBARD AND JAN MAYEN ISLANDS |
| SK | SLOVAKIA |
| SL | SIERRA LEONE |
| SM | SAN MARINO |
| SN | SENEGAL |
| SO | SOMALIA |
| SR | SURINAME |
| SS | SOUTH SUDAN |
| ST | SAO TOME AND PRINCIPE |
| SV | EL SALVADOR |
| SY | SYRIAN ARAB REPUBLIC |
| SZ | SWAZILAND |
| TC | TURKS AND CAICOS ISLANDS |
| TD | CHAD |
| TF | FRENCH SOUTHERN TERRITORIES |
| TG | TOGO |
| TH | THAILAND |
| TJ | TAJIKISTAN |
| TK | TOKELAU |
| TL | TIMOR-LESTE |
| TM | TURKMENISTAN |
| TN | TUNISIA |
| TO | TONGA |
| TP | EAST TIMOR |
| TR | TURKEY |
| TT | TRINIDAD AND TOBAGO |
| TV | TUVALU |
| TW | TAIWAN, PROVINCE OF CHINA |
| TZ | TANZANIA, UNITED REPUBLIC OF |
| UA | UKRAINE |
| UG | UGANDA |
| UM | UNITED STATES MINOR OUTLYING ISLANDS |
| US | UNITED STATES |
| UY | URUGUAY |
| UZ | UZBEKISTAN |
| VA | HOLY SEE (VATICAN CITY STATE) |
| VC | SAINT VINCENT AND THE GRENADINES |
| VE | VENEZUELA |
| VG | VIRGIN ISLANDS (BRITISH) |
| VI | VIRGIN ISLANDS (U.S.) |
| VN | VIET NAM |
| VU | VANUATU |
| WF | WALLIS AND FUTUNA ISLANDS |
| WS | SAMOA |
| YE | YEMEN |
| YT | MAYOTTE |
| YU | YUGOSLAVIA |
| ZA | SOUTH AFRICA |
| ZM | ZAMBIA |
| ZR | ZAIRE |
| ZW | ZIMBABWE |

|  |  |
| --- | --- |
| **GlobalIncotermsCode** | **Lines: 95** |
| **Entity Instances** | |
| CFR | Cost and Freight (named port of destination) |
| CIF | Cost, Insurance and Freight (named port of destination) |
| CIP | Carriage and Insurance Paid To (named place of destination) |
| CPT | Carriage Paid To (named place of destination) |
| DAF | Delivered at Frontier (named place) |
| DAP | Delivery at Place |
| DAT | Delivery at Terminal |
| DDP | Delivered Duty Paid (named place of destination) |
| DDU | Delivered Duty Unpaid (named place of destination) |
| DEQ | Delivered Ex Quay (Duty Paid) (named port of destination) |
| DES | Delivered Ex Ship (named port of destination) |
| EXW | Ex Works (named place) |
| FAS | Free Along Ship (named port of shipment) |
| FCA | Free Carrier (named place) |
| FOB | Free on Board (named port of shipment) |

|  |  |
| --- | --- |
| **GlobalShipmentChangeDispositionCode** | **Lines: 96** |
| **Entity Instances** | |
| Abandon shipment |  |
| Cancel shipment |  |
| Destroy shipment |  |
| Reassignment of carrier |  |
| Release shipment |  |
| Return Shipment |  |
| Stop shipment until further notice |  |

|  |  |
| --- | --- |
| **GlobalShipmentModeCode** | **Lines: 97** |
| **Entity Instances** | |
| Air |  |
| Air Express |  |
| Air Freight |  |
| Containerized Ocean |  |
| Contract Carrier |  |
| Customer Pickup |  |
| Expedited Truck |  |
| Intermodal |  |
| Motor |  |
| Ocean |  |
| Private Carrier |  |
| Rail |  |

|  |  |
| --- | --- |
| **GlobalShippingServiceLevelCode** | **Lines: 98** |
| **Entity Instances** | |
| 1BD | Same Business Day - 4 hour Response Time. |
| 5BD | Five Business Days. |
| 9 A.M. |  |
| A.M. |  |
| Air Cargo |  |
| Air Charter |  |
| Air Economy |  |
| Authorized Return Service |  |
| Bulk Commodity Train |  |
| Business Class |  |
| Consignee Billing Service |  |
| Courier Express |  |
| Deferred Service |  |
| Delivery Confirmation |  |
| Delivery Confirmation Return |  |
| Delivery Notification Only |  |
| Delivery scheduled next day by cartage agent |  |
| Delivery scheduled second day by cartage agent |  |
| Delivery scheduled third day by cartage agent |  |
| Door Service |  |
| Expedited Service |  |
| Expedited Service - Worldwide |  |
| Express Service |  |
| Express Service - Worldwide |  |
| Express Service Plus |  |
| First Class |  |
| Ground |  |
| Manifest Freight |  |
| Metro |  |
| Multiweight |  |
| NBD | Next Business Day. |
| Next Day Air |  |
| Next Day Hundred Weight |  |
| Next Flight Out |  |
| Next Morning |  |
| NORMAL | Normal Delivery. |
| Not Served |  |
| Other Intermodal and Stack Service |  |
| Overnight |  |
| P.O. Box/Zip Code |  |
| Passenger Service |  |
| Pickup |  |
| PM |  |
| Premium Surface |  |
| Primary Service Area - Next Day by 10:30 A.M. |  |
| Primary Service Area - Next Day by 5:00 P.M. |  |
| Primary Service Area - Next Day By 9:30 AM |  |
| Primary Service Area - Next Day by Noon |  |
| Primary Service Area - Second Day by Noon |  |
| Priority Mail |  |
| Priority Mail Insured |  |
| Proof of Delivery (POD) with Signature |  |
| Regular |  |
| Same Day |  |
| Saturday |  |
| Saturday Pickup |  |
| SBD | Second Business Day. |
| Scheduled |  |
| Second Day |  |
| Second Day Air |  |
| Second Day Hundred Weight |  |
| Second Morning |  |
| Standard Class |  |
| Standard Ground |  |
| Standard Ground Hundred Weight |  |
| Standard Ocean |  |
| Standard Service |  |
| Sunday and Holidays |  |
| Three Day Service |  |
| Time Critical |  |
| Tracking - Ground |  |

|  |  |
| --- | --- |
| **GlobalShipDateCode** | **Lines: 134** |
| **Entity Instances** | |
| Acceptance |  |
| Accrual End Date |  |
| Accrual Start Date |  |
| Action |  |
| Actual Free Time Expiration Date |  |
| Actual Pickup Date |  |
| Actual Placement |  |
| Arrival at Destination Yard |  |
| Backorder Release Date |  |
| Beginning Date of Customer Plant Shutdown |  |
| Bill of Lading |  |
| Bill of Lading Initiated Date |  |
| Buy Period Date - End |  |
| Buy Period Date - Start |  |
| Cancel After This Date |  |
| Charge Back Date |  |
| Charged From |  |
| Charged To |  |
| Check Date |  |
| Contract Closed |  |
| Contract Final Payment |  |
| Contract Physically Completed |  |
| Customs Release |  |
| Cutoff Date |  |
| Date Available/Constructive Replacement |  |
| Date Delivery Commenced |  |
| Date Invoice Created |  |
| Date Issued |  |
| Date Loading Commenced |  |
| Date Loading Completed |  |
| Date Shipped to Port of Embarkation (POE) |  |
| Date Unloaded |  |
| Deliver No Later Than Date |  |
| Deliver Not Before Date |  |
| Deliver Week Of |  |
| Delivered By This Date |  |
| Delivered on This Date |  |
| Delivery Appointment Granted Date |  |
| Delivery Appointment Scheduled Date |  |
| Delivery Requested on This Date |  |
| Delivery Requested Scheduled Date |  |
| Demand Receipt Date |  |
| Duty Paid |  |
| Earliest Pickup Date |  |
| Effective Date |  |
| Ending Date of Customer Plant Shutdown |  |
| Equipment Furnished Date |  |
| Est. Next Promo. Date End |  |
| Est. Next Promo. Date Start |  |
| Est. Next Promo. Ship Date End |  |
| Est. Next Promo. Ship Date Start |  |
| Estimated Contract Completion |  |
| Estimated Delivery Date |  |
| Expected Reply |  |
| Expiration Date |  |
| Extended Closeout |  |
| First Order Date |  |
| First Ship Date |  |
| Freight Bill Date |  |
| Guarantee Expiration Date |  |
| Inspection |  |
| Invoice Date |  |
| Last Acquisition |  |
| Last Demand |  |
| Latest Pickup Date |  |
| Manufacture |  |
| Must Respond By |  |
| Notified |  |
| Offered for Delivery |  |
| Ordered |  |
| Original Purchase Order Date |  |
| Original Transaction |  |
| Pack Date |  |
| Period End |  |
| Pickup Appointment Granted Date |  |
| Pickup Appointment Scheduled Date |  |
| Pickup Requested Scheduled Date |  |
| Preferred Payment Date |  |
| Price Change Effective Date |  |
| Price Change Last Arrival Date |  |
| Price Change Last Order Date |  |
| Price Change Last Ship Date |  |
| Process Date |  |
| Product Receipt Date |  |
| Promotion End |  |
| Promotion Floor Stock Protect - End |  |
| Promotion Floor Stock Protect - Start |  |
| Promotion Invoice Protection Date - End |  |
| Promotion Invoice Protection Date - Start |  |
| Promotion Order Date - End |  |
| Promotion Order Date - Start |  |
| Promotion Performance Date - End |  |
| Promotion Performance Date - Start |  |
| Promotion Requested Delivery Date - End |  |
| Promotion Requested Delivery Date - Start |  |
| Promotion Ship Date - End |  |
| Promotion Ship Date - Start |  |
| Promotion Start |  |
| Publication Date |  |
| Purchase Order Date |  |
| Purchase Order Received |  |
| Recorded |  |
| Rejection |  |
| Released |  |
| Requested Delivery Date |  |
| Requested Pack Date |  |
| Requested Ship Date/Pick-up Date |  |
| Required By |  |
| Sailing Date |  |
| Scheduled Delivery Date |  |
| Scheduled Delivery Date, Appointment Confirmed |  |
| Scheduled Delivery Date, Needs Confirmation |  |
| Scheduled Pick-Up Date |  |
| Scheduled Pick-up Date, Appointment Confirmed |  |
| Scheduled Pick-up Date, Needs Confirmation |  |
| Scheduled Service Completion |  |
| Shelf-Life Expiration |  |
| Ship Not Before Date |  |
| Ship Not Later Than Date |  |
| Ship Week Of Date |  |
| Shipped on This Date |  |
| Signature |  |
| Sold Date |  |
| Spot for Load Date |  |
| Spot for Load Exchange Date (Export) |  |
| Spot for Storage Date (No Shipment) |  |
| Spot for Unload Date |  |
| Store Inventory Stock |  |
| Superseded Date |  |
| Terms Discount Due Date |  |
| Terms Net Due Date |  |
| Transaction Control Date |  |
| Transfer |  |
| Validated |  |
| Warehouse Inventory Stock |  |
| Warranty Expiration |  |

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| **GlobalPackageTypeCode** | **Lines: 136** |
| **Entity Instances** | |
| 6 Pack | Packaged in multiples of 6 units. |
| Bag |  |
| Bin |  |
| Box |  |
| Bulk Pack | Packaged in large volume. |
| Bundle |  |
| Can |  |
| Carrier |  |
| Carton |  |
| CLAMSHELL | Packaged in a device with two hinged jaws. |
| Coil |  |
| Container |  |
| C-PAK | A powerful vacuum unit complete with filter/cyclone and starter placed inside a heavy-duty container; a flexfiber cyclone for coarse separation; or packaged in covered tape. |
| Crate |  |
| Cylinder |  |
| Diskette Mailer | A container made of a small plastic magnetic disk enclosed in a stiff envelope with a radial slit; used to store data. |
| Drum |  |
| FLATPK Carrier | Packaged and laid in full length. |
| Gel Pack | Packaged in a colloid or semi-solid substance container. |
| Individual | Each packed separately. |
| Kit |  |
| Knockdown Tote Bin |  |
| Other | The package type is not contained in this list; contact manufacturer for the specific package type. |
| Package |  |
| Packed |  |
| Pallet |  |
| PBGA | Plastic Ball Grind Array |
| Peanut Jar | Packaged in a container filled with foam inserts. |
| PLCC | PLastic Chip Carrier |
| Reel |  |
| Retail Box | Packaged in a container that is for direct sales to the consumer. |
| Roll |  |
| Sack |  |
| Sample Shipper | A portion, piece, or segment that is representative of a whole. |
| Skid |  |
| Sleeve |  |
| Standard Carton | General pack that is commonly used or established as an acceptable media. |
| Tape | Material/Method of holding a string of computer chips |
| Tape and Reel | Used to identify that a product is packaged in a tape and reel form. |
| Tote Bin |  |
| TQFP | Thin Quad Flat Package |
| Tray | Packaged on a shallow flat receptacle with a raised edge or rim, used for carrying or holding pieces. |
| Tub |  |
| Tube | Packaged in a cylinder container. |
| Wafer Boat | Asmall thin circular slice of a semiconducting material, such as pure silicon, on which an integrated circuit can be formed. |
| Waffle Pack | Die that are packaged in a cavity with a defined matrix; typically a 2-inch or 4-inch square carrier with separate compartments for each die. |

|  |  |
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| **GlobalPhysicalUnitOfMeasureCode** | **Lines: 138 144 147** |
| **Entity Instances** | |
| 10 Kilogram Drum |  |
| 10,000 Gallon Tankcar |  |
| 100 Board Feet |  |
| 100 Pound Drum |  |
| 1000-pack |  |
| 100-Pack |  |
| 10-pack |  |
| 115 Kilogram Drum |  |
| 15 Kilogram Drum |  |
| 20 Foot Container |  |
| 20,000 Gallon Tankcar |  |
| 20-Pack |  |
| 25 Kilogram Bulk Bag |  |
| 300 Kilogram Bulk Bag |  |
| 40 Foot Container |  |
| 50 Pound Bag |  |
| 500 Kilogram Bulk Bag |  |
| 50-pack |  |
| 55 Gallon Drum |  |
| Acre |  |
| Actual Pounds |  |
| Aluminum Pounds Only |  |
| Ampere |  |
| Angstrom |  |
| Bag |  |
| Bale |  |
| Ball |  |
| Band |  |
| Bar |  |
| Barrel |  |
| Barrel, Imperial |  |
| Barrels Per Day |  |
| Barrels Per Minute |  |
| Base Box |  |
| Base Weight |  |
| Basket |  |
| Batch |  |
| Batt |  |
| Batting Pound |  |
| Beam |  |
| Becquerel/kilogram |  |
| Belt |  |
| Billet |  |
| Bin |  |
| Bit |  |
| Block |  |
| Board |  |
| Board Feet |  |
| Bolt |  |
| Bottle |  |
| Box |  |
| British Thermal Unit (BTU) |  |
| British Thermal Units (BTUs) Per Cubic Foot |  |
| British Thermal Units (BTUs) Per Pound |  |
| Bucket |  |
| Bulk |  |
| Bulk Car Load |  |
| Bulk Pack |  |
| Bundle |  |
| Bunks |  |
| Bushel |  |
| Bushel, Dry Imperial |  |
| Bytes |  |
| Calorie |  |
| Can |  |
| Candela |  |
| Canister |  |
| Car |  |
| Carat |  |
| Carboy |  |
| Card |  |
| Carload |  |
| Carton |  |
| Cartridge |  |
| Case |  |
| Cask |  |
| Cassette |  |
| Catchweight |  |
| Cell |  |
| Centigram |  |
| Centiliter |  |
| Centimeter |  |
| Centipoise (CPS) |  |
| Chains (Land Survey) |  |
| Chest |  |
| Coil |  |
| Coil Group |  |
| Composite Product Pounds (Total Weight) |  |
| Cone |  |
| Connector |  |
| Container |  |
| Coulomb |  |
| Cover |  |
| Crate |  |
| Cubic Centimeter |  |
| Cubic centimeter/second |  |
| Cubic Foot |  |
| Cubic inch |  |
| Cubic yard |  |
| Cubicmeter |  |
| Cup |  |
| Cycles |  |
| Cylinder |  |
| Day |  |
| Deal |  |
| Decagram |  |
| Decibels |  |
| Decigram |  |
| Deciliter |  |
| Decimeter |  |
| Degree Celsius |  |
| Degree Fahrenheit |  |
| Dep. Factor |  |
| Die |  |
| Disk (Disc) |  |
| Dispenser |  |
| Display |  |
| Dozen |  |
| Dram |  |
| Drum |  |
| Dry Pounds |  |
| Each |  |
| Electrical Capacitance |  |
| Farad |  |
| Fluid Ounce |  |
| Fluid Ounce (Imperial) |  |
| Fluid Ounce US |  |
| Foot |  |
| Fuel Usage (Gallons) |  |
| Gage Systems |  |
| Gallon |  |
| Gigajoules |  |
| Gill (Imperial) |  |
| Grain |  |
| Gram |  |
| Gram/Cubic Centimeter |  |
| Gram/square meter |  |
| Grams Per 100 Centimeters |  |
| Grams Per 100 Grams |  |
| Grams Per Cubic Centimeter |  |
| Grams Per Kilogram |  |
| Grams Per Liter |  |
| Grams Per Milliliter |  |
| Grams Per Square Centimeter |  |
| Grams Per Square Meter |  |
| Great Gross (Dozen Gross) |  |
| Gross |  |
| Gross Barrels |  |
| Gross Gallons |  |
| Gross Kilogram |  |
| Gross Ton |  |
| Gross Yard |  |
| Group |  |
| Half Gallon |  |
| Half Hour |  |
| Half Liter |  |
| Hank |  |
| Heat lots |  |
| Hectare |  |
| Hectoliter |  |
| Hectopascal |  |
| Henry |  |
| Hertz |  |
| Hour |  |
| Hours |  |
| Hundred Boxes |  |
| Hundred Count |  |
| Hundred Sheets |  |
| Hundredth of a Carat |  |
| Imperial Gallons |  |
| Inch |  |
| Jar |  |
| Joint |  |
| Keg |  |
| Kelvin |  |
| Kiloampere |  |
| Kilobecquerel/Kilogram |  |
| Kilobyte |  |
| Kilogram |  |
| Kilogram per cubic meter |  |
| Kilogram/Kilogram |  |
| Kilogram/square meter |  |
| Kilogramm pro Sekunde |  |
| Kilohertz |  |
| Kilojoule |  |
| Kilometer |  |
| Kilometer/hour |  |
| Kiloohm |  |
| Kilovolt |  |
| Kilowatt |  |
| Kilowatt-hour |  |
| Kit |  |
| Kubikdezimeter |  |
| Kubikmeter pro Sekunde |  |
| Lifts |  |
| Link |  |
| Liquid Pounds |  |
| Liter |  |
| Load |  |
| Lot |  |
| Lug |  |
| Mat |  |
| Megabyte |  |
| Megagram |  |
| Megagrams Per Hour |  |
| Megahertz |  |
| Megapascal |  |
| Megawatt |  |
| Meter |  |
| Meter pro Quadratsekunde |  |
| Meters per second |  |
| Microgram |  |
| Micrograms Per Cubic Meter |  |
| Micrometer |  |
| Microsecond |  |
| Mikrogram/cubic meter |  |
| Mile |  |
| Miles |  |
| Milliampere |  |
| Milliamperes |  |
| Millibar |  |
| Milligram |  |
| Milligram/cubic meter |  |
| Milligram/kilogram |  |
| Milligram/Liter |  |
| Milligrams Per Cubic Meter |  |
| Milligrams Per Square Meter |  |
| Millijoule |  |
| Milliliter |  |
| Millimeter |  |
| Millimeter H20 |  |
| Millimol |  |
| Millimol/kilogram |  |
| Million BTU's |  |
| Millipascal seconds |  |
| Millisecond |  |
| Millitesla |  |
| Millivolt |  |
| Millivolts |  |
| Milliwatt |  |
| Minute |  |
| Miter |  |
| Mol |  |
| Mol/kilogram |  |
| Month |  |
| Multichip | When 2 or more dies (chips) are merged into one package. |
| Nanometer |  |
| Nanosecond |  |
| Net Barrels |  |
| Net Gallons |  |
| Net Imperial Gallons |  |
| Net Liters |  |
| Newton |  |
| Ohm |  |
| One |  |
| One Thousand Pieces |  |
| Ounce |  |
| Pack (PAK) |  |
| Package |  |
| Packet |  |
| Pad |  |
| Pail |  |
| Pair |  |
| Pallet |  |
| Pallet (Lift) |  |
| Pallet/Unit Load |  |
| Pallete |  |
| Panel |  |
| Parcel |  |
| Parts per billion (US) |  |
| Parts per million |  |
| Pascal |  |
| Pascal second |  |
| Pennyweight |  |
| Per Hundred Pieces |  |
| Percent |  |
| Percent Per 1000 Hours |  |
| Percent Weight |  |
| Percentage |  |
| Picofarad |  |
| Piece |  |
| Pint - US liquid |  |
| Pint U.S. Dry |  |
| Plate |  |
| Pound |  |
| Pounds Per 1000 Square Feet |  |
| Pounds Per Foot |  |
| Pounds Per Gallon |  |
| Pounds Per Piece of Product |  |
| Pounds Per Pound of Product |  |
| Pounds Per Thousand |  |
| Quart - US liquid |  |
| Rack |  |
| Ream of 500 Sheets |  |
| Reel |  |
| Ring |  |
| Rod |  |
| Roll |  |
| Sack |  |
| Second |  |
| SET | Mask Set (SET) |
| Sheet |  |
| Sheet-Metric measure |  |
| Shipment |  |
| Shot |  |
| Skein |  |
| Skid |  |
| Sleeve |  |
| Slip Sheet |  |
| Spool |  |
| Square |  |
| Square foot |  |
| Square inch |  |
| Square kilometer |  |
| Square meter |  |
| Square meter/second |  |
| Square mile |  |
| Square millimeter |  |
| Square Yard |  |
| Statute Mile |  |
| Stick |  |
| Strip |  |
| Super Bulk Bag |  |
| Tablet |  |
| Tank |  |
| Tank Truck |  |
| Tesla |  |
| Thousand |  |
| Ton |  |
| Tonne |  |
| Torr |  |
| Tote |  |
| Track Foot |  |
| Trailer |  |
| Train |  |
| Tray |  |
| Troy |  |
| Troy OZ |  |
| Truckload |  |
| Tube |  |
| Unit | Measurement in terms of a unit for a product. |
| Unitless Unit of Measure |  |
| US gallon |  |
| US pound |  |
| US ton |  |
| Vial |  |
| Volt |  |
| Volts (Alternating Current) |  |
| Volts (Direct Current) |  |
| Volts Per Meter |  |
| Wafer |  |
| Watt |  |
| Week |  |
| WF | Wafer (WF) |
| Wrap |  |
| Yard |  |
| Year |  |

|  |  |
| --- | --- |
| **GlobalDocumentReferenceTypeCode** | **Lines: 153** |
| **Entity Instances** | |
| Applied Promotions |  |
| Approval | Authorization Request Approval |
| ASP Claim | The unique identifier assigned by the ASP for a warranty claim. |
| ASP Part Return | The unique identifier assigned by the ASP for a part return. |
| ASP PartOrder | The unique identifier assigned by the ASP for a part order. |
| ASP Requisition | The unique identifier assigned by the ASP to reference a work order. |
| Catalog | Product Catalog. |
| Commercial Invoice |  |
| Component Failure Analysis Request Number | Failure Analysis request document that will accompany the product providing characteristics of the component failure. |
| Consumption Reference | Unique consumption reference number identifying the product consumption issue i.e. one-to-one relationship with physical flow. |
| Contract |  |
| Credit Memo | Traditional credit note or memo. |
| Customer Batch Number | Product batch number of customer. |
| Customer Order Number | In a virtual sourcing relationship, a third party trading partner is supplying a part to a customer on behalf of another company that has taken the order for the customer. In this case a Customer Order Number is associated to the request for material that is sent to the virtual trading partners. |
| Customs Number | Customs clearance number. |
| Debit Memo | Traditional debit note or memo. |
| Delivery Note |  |
| Discontinuation | Discontinuation Notice. |
| Drawing # |  |
| Fulfillment Order | Sales order or transfer order fulfilling demand out of a facility (outbound shipment). |
| Invoice |  |
| Master Event Number |  |
| Model Number |  |
| Notes |  |
| OEM Claim | The unique identifier assigned by the OEM for a warranty claim. |
| OEM Part Order | The unique identifier assigned by the OEM for a part order. |
| OEM Part Return | The unique identifier assigned by the OEM for a part return. |
| OGA | Other governmental agency issued document. |
| Original Invoice | Refers to previously issued invoice. |
| Original SBI Invoice | Refers to previously issued self-billing invoice. |
| Packing List/Packing Slip | Unique number that identifies packing form prior to shipment. |
| Product Failure Analysis Request Number | Failure Analysis request document that will accompany the product providing characteristics of the product failure. |
| Productuion Order Number | Production order number for material release. |
| Purchase Order |  |
| Purchase Order IN |  |
| Purchase Order OUT |  |
| Quote |  |
| Receipt | Document identifying the receipt of materials or products into a facility against a purchase order or transfer order (inbound shipment). |
| Replenishment Order | Purchase order or transfer order replenishing inventory into a facility (inbound shipment). |
| Requisition |  |
| Rework Purchase Order | Purchase order for materials or product returned to and reworked by a supplier. |
| RMA - Returned Material Authorization |  |
| Sales Order |  |
| Scheduling Agreement | Similar to contracts. Contains the quantity of an article that is to be ordered from a vendor and the price for article or service that is to be procured. |
| Self Billing Credit Memo | Credit Memo used in self-billing scenario. |
| Self Billing Debit Memo | Debit Memo used in self-billing scenario. |
| Self Billing Invoice | Invoice in self billing scenario. |
| Serial Number |  |
| Service Order | A document that gives a repair provider the necessary authorization to repair or upgrade a product either at the customer site or at the repair provider’s site. |
| Shipping Reference Identifier | A document that contains the shipping reference number which allows the product to be tracked within the outsourced logistic providers network. |
| SNCL | Shipset Number on Code List |
| Spec # |  |
| Supplier Batch Number | Product batch number of supplier. |
| Switch Authorization |  |
| Terms and Conditions |  |
| Transfer Order | Order which results in materials or products being moved from one facility to another (outbound shipment and inbound shipment). |
| Warranty Claim | Denotes a warranty claim. |
| Waybill |  |
| Work Order |  |

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| **GlobalLotQuantityClassificationCode** | **Lines: 161** |
| **Entity Instances** | |
| Acceptable | The lot quantity meets the minimum requirements. |
| Bin Test | Bin Test Quantity |
| Bonus | A positive variance in the lot quantity. |
| Change Quantity | The change quantity event and quantity is intended to be used when the quantity of a lot changes for a reason other then those we have defined events for (scrap, reject, and bonus). |
| Current | Current Quantity |
| Gross | The initial quantity of the lot. |
| Lot probe |  |
| Merge | Merge Quantity |
| Net | The final quantity of the lot. |
| Previous lot | The quantity of the preceding lot. |
| Projected final | The estimated final quantity of the lot. |
| Receipt | Receipt Quantity |
| Reject | Reject/Loss Quantity |
| Schedule | A lot is still physically in the Die Bank (before being started) but has been allocated to start and as a result, is not available for being considered for planning purposes as it is already committed to. |
| Scrap | The quantity of products which is disposed of. |
| Ship | Actual Ship Quantity |
| Split | Split Quantity |
| Start | Start Quantity |

|  |  |
| --- | --- |
| **GlobalProductUnitOfMeasureCode** | **Lines: 162 171** |
| **Entity Instances** | |
| 10 Kilogram Drum |  |
| 10,000 Gallon Tankcar |  |
| 100 Board Feet |  |
| 100 Pound Drum |  |
| 1000-pack |  |
| 100-Pack |  |
| 10-pack |  |
| 115 Kilogram Drum |  |
| 15 Kilogram Drum |  |
| 20 Foot Container |  |
| 20,000 Gallon Tankcar |  |
| 20-Pack |  |
| 25 Kilogram Bulk Bag |  |
| 300 Kilogram Bulk Bag |  |
| 40 Foot Container |  |
| 50 Pound Bag |  |
| 500 Kilogram Bulk Bag |  |
| 50-pack |  |
| 55 Gallon Drum |  |
| Acre |  |
| Actual Pounds |  |
| Aluminum Pounds Only |  |
| Ampere |  |
| Angstrom |  |
| Bag |  |
| Bale |  |
| Ball |  |
| Band |  |
| Bar |  |
| Barrel |  |
| Barrel, Imperial |  |
| Barrels Per Day |  |
| Barrels Per Minute |  |
| Base Box |  |
| Base Weight |  |
| Basket |  |
| Batch |  |
| Batt |  |
| Batting Pound |  |
| Beam |  |
| Becquerel/kilogram |  |
| Belt |  |
| Billet |  |
| Bin |  |
| Bit |  |
| Block |  |
| Board |  |
| Board Feet |  |
| Bolt |  |
| Bottle |  |
| Box |  |
| British Thermal Unit (BTU) |  |
| British Thermal Units (BTUs) Per Cubic Foot |  |
| British Thermal Units (BTUs) Per Pound |  |
| Bucket |  |
| Bulk |  |
| Bulk Car Load |  |
| Bulk Pack |  |
| Bundle |  |
| Bunks |  |
| Bushel |  |
| Bushel, Dry Imperial |  |
| Bytes |  |
| Calorie |  |
| Can |  |
| Candela |  |
| Canister |  |
| Car |  |
| Carat |  |
| Carboy |  |
| Card |  |
| Carload |  |
| Carton |  |
| Cartridge |  |
| Case |  |
| Cask |  |
| Cassette |  |
| Catchweight |  |
| Cell |  |
| Centigram |  |
| Centiliter |  |
| Centimeter |  |
| Centipoise (CPS) |  |
| Chains (Land Survey) |  |
| Chest |  |
| Coil |  |
| Coil Group |  |
| Composite Product Pounds (Total Weight) |  |
| Cone |  |
| Connector |  |
| Container |  |
| Coulomb |  |
| Cover |  |
| Crate |  |
| Cubic centimeter |  |
| Cubic centimeter/second |  |
| Cubic Foot |  |
| Cubic inch |  |
| Cubic yard |  |
| Cubicmeter |  |
| Cup |  |
| Cycles |  |
| Cylinder |  |
| Day |  |
| Deal |  |
| Decagram |  |
| Decibels |  |
| Decigram |  |
| Deciliter |  |
| Decimeter |  |
| Degree Celsius |  |
| Degree Fahrenheit |  |
| Dep. Factor |  |
| Die |  |
| Disk (Disc) |  |
| Dispenser |  |
| Display |  |
| Dozen |  |
| Dram |  |
| Drum |  |
| Dry Pounds |  |
| Each |  |
| Electrical Capacitance |  |
| Farad |  |
| Fluid Ounce |  |
| Fluid Ounce (Imperial) |  |
| Fluid Ounce US |  |
| Foot |  |
| Fuel Usage (Gallons) |  |
| Gage Systems |  |
| Gallon |  |
| Gigajoules |  |
| Gill (Imperial) |  |
| Grain |  |
| Gram |  |
| Gram/Cubic Centimeter |  |
| Gram/square meter |  |
| Grams Per 100 Centimeters |  |
| Grams Per 100 Grams |  |
| Grams Per Cubic Centimeter |  |
| Grams Per Kilogram |  |
| Grams Per Liter |  |
| Grams Per Milliliter |  |
| Grams Per Square Centimeter |  |
| Grams Per Square Meter |  |
| Great Gross (Dozen Gross) |  |
| Gross |  |
| Gross Barrels |  |
| Gross Gallons |  |
| Gross Kilogram |  |
| Gross Ton |  |
| Gross Yard |  |
| Group |  |
| Half Gallon |  |
| Half Hour |  |
| Half Liter |  |
| Hank |  |
| Heat lots |  |
| Hectare |  |
| Hectoliter |  |
| Hectopascal |  |
| Hertz |  |
| Hour |  |
| Hours |  |
| Hundred Boxes |  |
| Hundred Count |  |
| Hundred Sheets |  |
| Hundredth of a Carat |  |
| Imperial Gallons |  |
| Inch |  |
| Jar |  |
| Joint |  |
| Joule |  |
| Keg |  |
| Kelvin |  |
| Kiloampere |  |
| Kilobecquerel/Kilogram |  |
| Kilobyte |  |
| Kilogram |  |
| Kilogram per cubic meter |  |
| Kilogram/Kilogram |  |
| Kilogram/square meter |  |
| Kilogramm pro Sekunde |  |
| Kilohertz |  |
| Kilojoule |  |
| Kilometer |  |
| Kilometer/hour |  |
| Kiloohm |  |
| Kilovolt |  |
| Kilowatt |  |
| Kilowatt-hour |  |
| Kit |  |
| Kubikdezimeter |  |
| Kubikmeter pro Sekunde |  |
| Lifts |  |
| Link |  |
| Liquid Pounds |  |
| Liter |  |
| Load |  |
| Lot |  |
| Lug |  |
| Mat |  |
| Megabyte |  |
| Megagram |  |
| Megagrams Per Hour |  |
| Megahertz |  |
| Megapascal |  |
| Megawatt |  |
| Meter |  |
| Meter pro Quadratsekunde |  |
| Meters per second |  |
| Microgram |  |
| Micrograms Per Cubic Meter |  |
| Micrometer |  |
| Microsecond |  |
| Mikrogram/cubic meter |  |
| Mile |  |
| Miles |  |
| Milliampere |  |
| Milliamperes |  |
| Millibar |  |
| Milligram |  |
| Milligram/cubic meter |  |
| Milligram/kilogram |  |
| Milligram/Liter |  |
| Milligrams Per Cubic Meter |  |
| Milligrams Per Square Meter |  |
| Millijoule |  |
| Milliliter |  |
| Millimeter |  |
| Millimeter H20 |  |
| Millimol |  |
| Millimol/kilogram |  |
| Million BTU's |  |
| Millipascal seconds |  |
| Millisecond |  |
| Millitesla |  |
| Millivolt |  |
| Millivolts |  |
| Milliwatt |  |
| Minute |  |
| Miter |  |
| Mol |  |
| Mol/kilogram |  |
| Month |  |
| Multichip | When 2 or more dies (chips) are merged into one package. |
| Nanometer |  |
| Nanosecond |  |
| Net Barrels |  |
| Net Gallons |  |
| Net Imperial Gallons |  |
| Net Liters |  |
| Newton |  |
| Ohm |  |
| One |  |
| One Thousand Pieces |  |
| Ounce |  |
| Pack (PAK) |  |
| Package |  |
| Packet |  |
| Pad |  |
| Pail |  |
| Pair |  |
| Pallet |  |
| Pallet (Lift) |  |
| Pallet/Unit Load |  |
| Pallete |  |
| Panel |  |
| Parcel |  |
| Parts per billion (US) |  |
| Parts per million |  |
| Pascal |  |
| Pascal second |  |
| Pennyweight |  |
| Per Hundred Pieces |  |
| Percent |  |
| Percent Per 1000 Hours |  |
| Percent Weight |  |
| Percentage |  |
| Picofarad |  |
| Piece |  |
| Pint - US liquid |  |
| Pint U.S. Dry |  |
| Plate |  |
| Pound |  |
| Pounds Per 1000 Square Feet |  |
| Pounds Per Foot |  |
| Pounds Per Gallon |  |
| Pounds Per Piece of Product |  |
| Pounds Per Pound of Product |  |
| Pounds Per Thousand |  |
| Quart - US liquid |  |
| Rack |  |
| Ream of 500 Sheets |  |
| Reel |  |
| Ring |  |
| Rod |  |
| Roll |  |
| Sack |  |
| Second |  |
| SET | Mask Set (SET) |
| Sheet |  |
| Sheet-Metric measure |  |
| Shipment |  |
| Shot |  |
| Skein |  |
| Skid |  |
| Sleeve |  |
| Slip Sheet |  |
| Spool |  |
| Square |  |
| Square foot |  |
| Square inch |  |
| Square kilometer |  |
| Square meter |  |
| Square meter/second |  |
| Square mile |  |
| Square millimeter |  |
| Square Yard |  |
| Statute Mile |  |
| Stick |  |
| Strip |  |
| Super Bulk Bag |  |
| Tablet |  |
| Tank |  |
| Tank Truck |  |
| Tesla |  |
| Thousand |  |
| Ton |  |
| Tonne |  |
| Torr |  |
| Tote |  |
| Track Foot |  |
| Trailer |  |
| Train |  |
| Tray |  |
| Troy |  |
| Troy OZ |  |
| Truckload |  |
| Tube |  |
| Unit | Measurement in terms of a unit for a product. |
| Unitless Unit of Measure |  |
| US gallon |  |
| US pound |  |
| US ton |  |
| Vial |  |
| Volt |  |
| Volts (Alternating Current) |  |
| Volts (Direct Current) |  |
| Volts Per Meter |  |
| Wafer |  |
| Watt |  |
| Week |  |
| WF | Wafer (WF) |
| Wrap |  |
| Yard |  |
| Year |  |

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| **NationalExportControlClassificationCode** | **Lines: 170** |
| **Entity Instances** | |
| Already customs cleared in the importing country | Arrangements for inspection are not necessary because they were cleared before. |
| Clearance | The cargo will be or has been cleared. |
| Detention | The cargo has been or will be detained. |
| Documents required | Pertinent documents are required. |
| Documents requirements completed | All requirements for documents have been completed. |
| Fumigation | The cargo has been or will be fumigated. |
| Inspection | The cargo has been or will be inspected. |
| Inspection arrangements completed | Arrangements for inspection of the cargo have been completed. |
| Inspection arrangements required | Arrangements for inspection of the cargo are required. |
| No customs procedure | Customs clearance not required. |
| Safety arrangements completed | Arrangements for safeguarding the cargo have been completed. |
| Safety arrangements required | Arrangements for safeguarding the cargo are required. |
| Security | The cargo has been or will be secured. |
| Security arrangements required | Arrangements for the security of the cargo are required. |
| Storage arrangements completed | Arrangements for storing the cargo have been completed. |
| Storage arrangements required | Arrangements for storing the cargo are required. |
| Transport arrangements completed | All arrangements for transport have been completed. |
| Transport arrangements required | Transport has to be arranged. |

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| **HazardousMaterialDescription** | **Lines: 172** |
| **Constraint:** If 'isContainsHazardousMaterial' is equal to 'Yes", then "HazardousMaterials" is mandatory. |  |

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| **ProductIdentification** | **Lines: 182** |
| **Constraint:** One instance of either "GlobalProductIdentifier" or "PartnerProductIdentification" is mandatory. |  |

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| **GlobalTrackingReferenceTypeCode** | **Lines: 194 197** |
| **Entity Instances** | |
| Bill of Lading Number | Shipment identification number on bill of lading issued by shipper, forwarder or carrier. |
| Booking Number | Shipment identification number assigned by shipper when booking freight shipment with carrier. |
| Carrier Reference Number | Carrier assigned shipment identification number on bill of lading. |
| Commercial Invoice | An invoice for customs purposes to allow the determination of the proper import/export duty/taxes. |
| House Airwaybill Number | Forwarder assigned shipment identification number on bill of lading issued by forwarder. |
| Master Airwaybill Number | Carrier assigned shipment identification number on bill of lading issued by carrier. |
| Ocean Bill of Lading Number | Carrier assigned shipment identification number on bill of lading issued by carrier. |
| Packing Slip Number | Shipment identification number on shipment contents packing list attached to shipment. |
| Pro Number | Carrier assigned shipment identification number on bill of lading. |
| Sales Order Number | Seller sales order number. |
| Seal Identifier | Trailer or container seal number assigned by party closing doors on trailer or container. |
| Shipper Reference Number | Shipper assigned shipment identification number on bill of lading issued by shipper or forwarder. |
| Trailer Number | Owner assigned equipment identification number on trailer. |

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| **GlobalPartnerRoleClassificationCode** | **Lines: 234 249** |
| **Constraint:** Only GlobalPartnerRoleClassificationCode equal to "Receiver" is allowed. | 249 |
| **Constraint:** Only GlobalPartnerRoleClassificationCode equal to "Shipper" is allowed. | 234 |
| **Entity Instances** | |
| Account Supplier | Any trading partner that buys or sells products/services from customers and/or vendors. |
| Account User | Any trading partner that requires an account to buy or sell products/services. |
| Anonymous Buyer | A requestor of information that chooses to remain anonymous. |
| Appointment Provider | The stakeholder(s) in the shipment delivery activity. |
| Authorized Service Provider | The Service Provider authorized by an OEM to perform service on a unit. |
| Authorizer | The partner role that provides product authorization, from a product owner or manufacturer, for a reselling organization to resell a product. |
| Buyer | An employee or organization that buys products for a partner type in the supply chain. |
| Catalog Distributor | The partner role that distributes catalog information to catalog producers and buyers. |
| Catalog Producer | The partner role that produces catalog information for a partner type in the supply chain. |
| Change Requester | A party who has an interest in requesting a review of a possible change to the component. The requester may be any party including customers and suppliers. |
| Change Review Forum | A party who has responsibility for the review of Engineering Change Requests and the drafting and review of Engineering Change Orders. The Change Review Forum is assumed to be at the company that has responsibility for the engineering aspects of the component affected by the change. |
| Claim Requester | The owner of the shipments who is responsible for the intact delivery. |
| Consignee | The receiver of the shipment. |
| Consumption Notification Provider | Trading Partner role responsible for sending the notification of material consumption by a production location |
| Consumption Notification User | Trading Partner role responsible for receiving and processing the notification of material consumption thereby invoicing the customer for consumed material |
| Credit Provider | This partner role is responsible for providing credit information about potential customers. |
| Credit Reference Requester | This partner role is responsible for requesting credit information about potential customers. |
| Customer | This partner role creates a demand for a product or service. |
| Customer Manager | This partner role manages the relationship with the business customers. |
| Decision Stakeholder | The party (such as suppliers, customers and others) who is responsible for the review and approval of the Engineering Change Approval Request. The stakeholders may be from multiple organizations. |
| Delivery Appointment Provider | A party that receives a request for a change to a previously scheduled delivery appointment. |
| Delivery Appointment Requester | A party that requests a change to a previously scheduled delivery appointment. |
| Demand Creator | The partner role that identifies the opportunity, submits design registration, provides engineering support to advance the opportunity towards design win, and generates revenue by satisfying customer demand for a product. |
| Design Engineering Information Receiver | This partner role uses technical information for updating enterprise databases (such as electronic catalog systems), design or test engineering, and manufacturing. |
| Design Engineering Information Sender | This partner role distributes the design engineering information of the agreed types in the agreed amounts at the agreed times. |
| Exception Identifier | The party/organization that monitors and identifies exceptions based on predefined exception criteria and sends notifications of the identified exceptions. In a collaborative forecasting process, the Exception Definer may be the Forecast Owner, Forecast Recipient, Forecast Reply Recipient and/or an external party. |
| Exception Recipient | The party/organization requiring visibility to an exception and receiving notifications on the identified exceptions. In a collaborative forecasting process, the Exception Recipient may be the Forecast Owner, Forecast Recipient and/or Forecast Reply Recipient. The Exception Identifier may send a notification for a specific exception to multiple Exception Recipients. |
| Failure Report Administrator | An employee or organizational entity that receives and processes PIP Failure Notifications. |
| Financing Processor | The organization that processes the request for financing. |
| Forecast Owner | The party/organization that monitors and identifies exceptions based on predefined exception criteria and sends notifications of the identified exceptions. In a collaborative forecasting process, the Exception Identifier may be the Forecast Owner, Forecast Recipient, Forecast Reply Recipient and/or an external party. |
| Forecast Recipient | The party that receives a strategic or order forecast. |
| Forecast Reply Recipient | The party that receives a forecast reply. The Recipient can be the original forecast owner or other forecast partner (Please refer to the GlobalPartnerClassificationCode). |
| Implementation Plan Creator | The partner role that creates, maintains and manages an implementation plan associated with an Engineering Change Order. |
| Initiator | The party that starts the data exchange. |
| Integrator | The organization responsible for the production of the product. Change requests are communicated back to the Qualification Owner. |
| In-transit Information User | The party who receives shipment status information. |
| Inventory Information Provider | An organization that owns or holds inventory and provides information about this inventory to partners in the supply chain. This may be a distributor, contract manufacturer, supplier or OEM reporting inventory that they hold and/or own. |
| Inventory Information User | An employee or organizatrion that uses information about inventory. |
| Invoice Provider | The organization that generates the invoice. |
| Invoice Receiver | The organization being invoiced. |
| Invoice Reject Provider | The organization that rejects an invoice. |
| Invoice Reject Receiver | The organization being issued an Invoice Reject Notification. |
| Marketing Activity Information User | The party who uses information about Marketing Activities. This party might include distributors, and retail operations. |
| Marketing Activity Initiator | The partner role that distributes information about marketing activities being sponsored by the organization. |
| Material Release Information Provider | Trading Partner role responsible for triggering release of materials to a delivery location |
| Material Release Information User | Trading Partner role responsible for receiving trigger to release material to a delivery location and shipping material to delivery location |
| Payee | The party receiving a payment. |
| Payer | The party issuing a payment. |
| PIP Failure Notifier | An organizational process that automatically notifies the appropriate Failure Report Administrator of a PIP process failure. |
| Product Distributor | The party authorized by a Product Supplier to purchase goods and services from the Product Supplier and resell to customers. |
| Product Information Distributor | The partner role that distributes new product information to product information users and buyers. |
| Product Information Subscriber | The business partner that subscribes to product information from other business partners. |
| Product Information User | The partner role that uses product information to create or update enterprise systems and online promotion systems such as electronic catalog systems. |
| Product Provider | The partner role that creates a differentiated product, owns the registration process and creates a list of eligible products for use in design registration. |
| Product Supplier | This partner role supplies product to customers in the supply chain. |
| Qualification Owner | The organization responsible for the qualification of manufacturers and suppliers of parts for the product. The Qualification Owner defines and maintains the AML for the product. |
| Quality Data Provider | The party responsible for sending the Repair Quality Data. The Provider, through various means, learns of product or product component defect(s). |
| Quality Data User | The party who receives the repair and/or test data. The User analyzes the data and incorporates findings into its business model. |
| Receiver | The intended recipient of products or business information. The Receiver may verify receipt if prescribed. |
| Responder | The party that replies to the initiators message. |
| Return Provider | The party responsible for authorizing and/or processing the return. |
| Return Receiver | A third-party or warehousing operation responsible for receiving returns, inspecting the package contents and comparing to the issued RMA to assure the contents are what was authorized on the RMA. |
| Return Requester | Any party wishing to return a product. This role could be played by a large end-user such as the Government Services Administration (GSA), a distributor, or a reseller. |
| Sales Facilitator | This partner role facilitates the sale of product between partners in the supply chain. |
| Sales Lead Originator | The party assigning a sales lead to another party. |
| Sales Lead Processor | The party who receives the sales lead. This party is responsible for accepting or rejecting the lead, and if accepted, reports the status of the lead. |
| Sales Marketing Claim Processor | The partner role that processes the claim and/or remits compensation to the Sales Marketing Claimant. |
| Sales Marketing Claimant | The partner role that requests reimbursement from a Sales Marketing Claim Processor. |
| Sales Marketing Program Reimbursement Recipient | The partner role that receives status on a previously submitted sales marketing claim, or who receives reimbursement without submitting a claim. |
| Sales Marketing Program Reimburser | The partner role that is currently processing a sales marketing claim, (or providing a payment without a claim submitted) and who provides information on the status of the claim processing. |
| Self-Billing Invoice Provider | The party that generates the self-billing invoice plus being invoiced. It can re-issue the self-billing invoice. |
| Self-Billing Invoice Receiver | The organization that provides the services or goods. The organization that receives the payment. |
| Seller | An organization that sells products to partners in the supply chain. |
| Service Provider | A provider that performs a service such as repair, diagnose, maintain, install or remove on a unit. |
| Shipment Information User | The party who receives shipment status information. |
| Shipment Requester | The party requesting transportation services. |
| ShipmentController | The party who is authorized to make decisions regarding a shipment while in-transit. |
| Shipper | The party who relinquishes (assigns) a shipment to a transport service provider. |
| Shipping Provider | The organization responsible for performing the shipping logistics for the Shipper. The Shipping Provider ships products from one location to another as requested by the shipping order and informs the Shipper when the shipment has been sent. |
| Solution Provider | The party that may architect, configure, engineer, sell, or determine the fulfillment of the configured solution to partners in the supply chain. |
| Solution Requester | This party that creates a demand for a product or service, or has contracted with a Solution Provider for the manufacture or fulfillment of a product(s). |
| Specification Provider | The partner role that creates or passes on manufacturing specifications. This may be a Solution Provider, an OEM who is sub-contracting manufacturing tasks like fabrication or assembly, or another party. |
| Specification User | The partner role that uses a manufacturing specification. This might be a sub-contract assembler or fabricator. |
| Stakeholder | The party that is required to implement an Engineering Change Order. The Stakeholder may include all levels of suppliers, customers or other parties. The Stakeholder may represent multiple organizations. The Stakeholder may draft and/or be responsible for completing tasks in an implementation plan. |
| Status Requester | The functional partner role, that could be a Product Provider, that creates a differentiated product, owns the registration process and creates a list of eligible products, or who is responsible for identifying the opportunity (that is, it could be a Demand Creator). |
| Status Responder | The organizational partner role, that could be a Product Provider, that creates a differentiated product, owns the registration process and creates a list of eligible products, or who is responsible for identifying the opportunity (that is, it could be a Demand Creator). |
| Supplier | This partner role supplies product to customers in the supply chain. |
| Tender Information User | The stakeholder(s) in the tendering activity. |
| Transport Service Provider | The party that provides transportation services for a Shipment Requester. |
| Warranty Provider | The provider who honors the warranty terms and reimburses the Authorized Service Provider for a service event performed under the terms of the warranty. |

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| **GlobalSupplyChainCode** | **Lines: 238 253** |
| **Entity Instances** | |
| Electronic Components | The electronic components supply chain. |
| Information Technology | The information technology supply chain. |
| Semiconductor Manufacturing | The semiconductor manufacturing supply chain. |
| Telecommunication Industry | The telecommunication industry supply chain. |

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| **GlobalDocumentFunctionCode** | **Lines: 240** |
| **Constraint:** Only GlobalDocumentFunctionCode Equal to "Request" is allowed. |  |
| **Entity Instances** | |
| Request | The business document is a request for a business action to be performed by a partner. |
| Response | The business document is a response to a requesting partner. |

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| --- | --- | --- |
| **Business Properties ( 41 )** | | |
| **Name** | **Definition** |  |
| addressLine1 | The first line of a physical address. |  |
| addressLine2 | The second line of a physical address. |  |
| addressLine3 | The third line of a physical address. |  |
| businessName | The name of a business entity. |  |
| cityName | The name of a city. |  |
| contactName | Name of the contact person(s) within the organization. |  |
| countryOfOrigin | Country where product originates. |  |
| expiryDate | The date that a contractual agreement expires. |  |
| facsimileNumber | The numerical schema designed to achieve contact via facsimile. |  |
| freightPaymentAccount | The account number with the shipping carrier of the party paying the carrier fees for the shipment. |  |
| fromRole | The role initiating a business document exchange. |  |
| isContainsHazardousMaterial | Indicates whether the product contains hazardous material. |  |
| manufactureDate | The date the product was manufactured. |  |
| manufacturingDateCode | The unique identifier assigned to a product by a manufacturer to distinguish individual manufacturing periods. |  |
| numberOfItemPackages | A numeric expression of the number of item packages within a container. |  |
| numberOfShippingContainers | A numeric expression of the number of outer containers for product shipping. |  |
| parentProductSerialIdentifier | The unique parent product serial identifier of a product. |  |
| postOfficeBoxIdentifier | The proprietary identity of a physical address, located at a post office, designed solely to accept and receive mail. |  |
| primaryLotIdentifier | The collection of business properties that identify a main lot identifier. |  |
| productSerialIdentifier | Serial number(s) of a product. |  |
| purchasedBy | The party who is a purchaser of a product. |  |
| regionName | The name of a state or province within a country. |  |
| requestedQuantity | The quantity of product requested. |  |
| revisionIdentifier | Free form text that identifies a revision to a proprietary serial number. |  |
| secondaryLotIdentifier | The collection of business properties that identify an additional lot identifier. |  |
| shipFrom | The DUNS or DUNS + 4 number of the location from where the product is to be shipped. |  |
| shipmentChangeReason | Team must provide valid definition. Should be changed from Free Form Text to a code list. |  |
| shipmentIdentifier | Reference identifier assigned by the partner originating a shipment to uniquely identify the shipment. |  |
| shippedLotQuantity | A quantity of product shipped of a specific manufacturing lot within a shipping container. |  |
| shippedQuantity | Quantity of product shipped. |  |
| shippingContainerIdentifier | Unique identifier that represents a shipping container. Normally a UCC structured identifier. Also known as a "license plate". |  |
| shippingContainerItemIdentifier | The idenitifer used to denote the lowest unit in a shipment, i.e., a package within a box. |  |
| shipTo | The partner and/or location to which the product must be delivered. |  |
| soldBy | The seller involved in a business transaction. |  |
| subLineNumber | Number of the subline in the document, associated with a given line number. |  |
| telephoneNumber | The numerical schema designed to achieve contact via telephone. |  |
| thisDocumentGenerationDateTime | The date-time stamp indicating when this business document was generated. |  |
| thisDocumentIdentifier | The information that identifies the business document being sent. This identifier is used to represent the specific business document associated with the defined business process. |  |
| toRole | The role receiving the document in a business document exchange. |  |
| traceIdentifier | Free form text for a non-serial lot identifier. |  |
| transportedBy | The party responsible for either carrying or forwarding the product. |  |

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| **Business Data Entities ( 32 )** | | |
| **Name** | **Definition** |  |
| AdvancedShipmentNotification | The Advance Shipment Notification contains detailed information on when product shipped and expected date of arrival, how product shipped, and detail on what the shipment contains. |  |
| BusinessDescription | The collection of business properties that describe a business identity and location. |  |
| BuyingPartner | The collection of business properties used to identify the business partner initiating the purchase of goods or transportation. |  |
| ContactInformation | The collection of business properties that provide communication and address information for contacting a person, organization or business. |  |
| DocumentSubLineLotShipReference | Reference to document(s) this shipment is being sent against (i.e. Purchase Order) |  |
| ExportLicense | The collection of business properties that describe an export license number. |  |
| HazardousMaterialDescription | The collection of business properties that describe the nature of dangerous goods tendered for transportation. |  |
| LinearPhysicalDimension | The physical dimension of an object having only one dimension. |  |
| LotIdentification | The collection of business properties that identify a lot. |  |
| LotQuantity | The collection of business properties that describe the quantity of items in a lot. |  |
| LotShipReference | Reference to specific lot information (i.e. quanity, lot identifiers) contained in this shipment. |  |
| ManufacturerProfile | The collection of business properties that describe a manufacturer's product. |  |
| MassPhysicalDimension | The physical dimension of unit of mass used for measuring the masses of weights, volumes etc. |  |
| OriginatingPartner | The collection of business properties used to identify the business partner initiating a shipment or transaction. |  |
| PartnerBusinessIdentification | The collection of business properties that allow for the proprietary identification of a business entity. |  |
| PartnerDescription | The collection of business properties that describe a business partners' identity, their contact information, where they are physically located and their function in a supply chain. |  |
| PartnerLocationIdentification | The collection of business properties that allow for the proprietary identification of a business location. |  |
| PartnerProductIdentification | The collection of business properties that describe proprietary part information. |  |
| PartnerRoleDescription | The collection of business properties that describe a business partners' role in a partner interface process. |  |
| PhysicalAddress | The actual physical location of an entity as prescribed by local postal authorities, including country identification as it relates to the party or a product. |  |
| PhysicalLocation | The collection of business properties that identify and describe the actual physical location of an entity as prescribed by local postal authorities, including country identification. |  |
| ProductIdentification | The collection of business properties that describe proprietary and global identifier information regarding a product. |  |
| ReceivingPartner | The collection of business properties used to identify the business partner accepting delivery of a shipment or transaction. |  |
| SellingPartner | The collection of business properties used to identify the business partner involved in the sale of goods or transportation. |  |
| Shipment | The collection of business properties that describe a consignment tendered for transportation from one point to another. |  |
| ShipmentTransportationEvent | The collection of business properties that describe the occurrence of the public conveyance of a shipment of goods. |  |
| ShippingContainer | The collection of business properties that describe the nature and contents of a shipping unit. |  |
| ShippingContainerItem | The collection of business properties that describe the nature and contents of the good contained within shipping unit. |  |
| SubContainer | The collection of business properties that describe the nature and contents of inner containers (packages) contained within an outer shipping unit. |  |
| TrackingReference | The collection of business properties that describe information about tracing shipments during the transportation process. |  |
| Volume | The amount of space occupied by a three-dimensional object or region of space, expressed in cubic units. |  |
| Weight | A measure of the heaviness of an object. |  |

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| **Fundamental Business Data Entities ( 45 )** | | | | | |
| **Name** | **Definition** | **Type** | **Min** | **Max** | **Representation** |
| AccountNumber | Identification number of an account. | String | 1 | 35 | X(35) |
| AffirmationIndicator | Used to indicate "Yes", "No" statements. | String | 2 | 3 | X(3) |
| CommunicationsNumber | The electro-technical communication number, e.g., telephone number, facsimile number, pager number. | String | 1 | 30 | X(30) |
| CountableAmount | Dimensionless magnitude, e.g. number of products. | PositiveInteger | 1 | 15 | 9(15) |
| DateStamp | Specifies a specific date. Date stamp based on the ISO 8601 specification. The "Z" following the day identifier (DD) is used to indicate Coordinated Universal Time. Informal format: YYYYMMDDZ | Date | 9 | 9 | 9(8)X |
| DateTimeStamp | Specifies an instance in time. Based on the ISO 8601 specification where "YYYY" represents the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss.sss" represent hour, minute and second respectively. This representation is immediately followed by a "Z" to indicate Coordinated Universal Time. Informal format: YYYYMMDDThhmmss | DateTime | 13 | 20 | 9(8)X9(6)V9(3)X |
| EmailAddress | Electronic mail address. | String | 1 |  |  |
| FreeFormText | Unformatted text. | String | 1 |  |  |
| GlobalBusinessIdentifier | A unique business identifier. The DUNS number is specified by RosettaNet. | Integer | 9 | 9 | 9(9) |
| GlobalCarrierCode | A unique carrier identification code, based on Standard Carrier Alpha Code(s) (SCAC). | String | 1 |  |  |
| GlobalCountryCode | Code identifying the two character country code specified in ISO 3166-1:2006. | String | 2 | 2 | X(2) |
| GlobalDocumentFunctionCode | Code identifying the function of a document as either a request or a response. | String | 1 |  |  |
| GlobalDocumentReferenceTypeCode | Code identifying the type of business document used for referencing within another business document. | String | 1 |  |  |
| GlobalIncotermsCode | Code identifying incoterms. | String | 1 |  |  |
| GlobalLocationIdentifier | Location uniquely identified by the DUNS +4 number. | String | 10 | 13 | 9(9)X(4) |
| GlobalLotQuantityClassificationCode | Code identifying the classification of a manufacturing lot quantity. | String | 1 |  |  |
| GlobalPackageTypeCode | Code specifying the type of packaging for a product. | String | 1 |  |  |
| GlobalPartnerClassificationCode | Code identifying a partner's function in the supply chain. | String | 1 |  |  |
| GlobalPartnerRoleClassificationCode | Code identifying a party's role in the supply chain. | String | 1 |  |  |
| GlobalPhysicalUnitOfMeasureCode | Code identifying the unit of measure for a physical quantity. | String | 1 |  |  |
| GlobalProductIdentifier | Global unique product identifier. RosettaNet has adopted the Global Trade Identification Number (GTIN). | String | 14 | 14 | 9(14) |
| GlobalProductUnitOfMeasureCode | Code identifying a product unit of measure. | String | 1 |  |  |
| GlobalShipDateCode | Code identifying a type of ship date | String | 1 |  |  |
| GlobalShipmentChangeDispositionCode | Code identifying the additional reasons for a change to a product shipment. | String | 1 |  |  |
| GlobalShipmentModeCode | The method of transport used for the conveyance of goods. | String | 1 |  |  |
| GlobalShippingServiceLevelCode | Code identifying the shipping service level, e.g., overnight, same day. | String | 1 |  |  |
| GlobalSupplyChainCode | Code identifying the supply chain for the partner's function. | String | 1 |  |  |
| GlobalTrackingReferenceTypeCode | Code identifying the type of document reference being used to track a shipment. | String | 1 |  |  |
| LineNumber | Number of the line in the document. | String | 1 |  |  |
| Mass | The unit of mass used for measuring the masses. | Real | 1 | 21 | 9(13)V9(7) |
| NationalExportControlClassificationCode | Code identifying product classification for export regulation. | String | 1 |  |  |
| NationalHarmonizedTariffScheduleCode | Code identifying product classification or procedure classification for international shipping. | String | 1 |  |  |
| NationalHazardousMaterialUnitedNationsClassificationCode | Code classifying hazardous material products. | String | 1 |  |  |
| NationalPostalCode | Code identifying geographic location as specified by a national postal code. | String | 1 |  |  |
| ProductQuantity | A quantity specifying the number of product units. | Real | 1 |  |  |
| ProprietaryBusinessIdentifier | A unique business identifier assigned and administered by a private authority. | String | 1 |  |  |
| ProprietaryDocumentIdentifier | Unique identifier, i.e. a numeric value or alphanumeric value, for a business document. | String | 1 |  |  |
| ProprietaryDomainIdentifier | A descriptor that is used to categorize an organization or business entity that is in the Proprietary Business Identifier. | String | 1 |  |  |
| ProprietaryIdentifierAuthority | A unique name that identifies an organization or business entity that is responsible for managing one or more lists of identifiers. | String | 1 |  |  |
| ProprietaryLocationIdentifier | A unique location identifier assigned and administered by a private authority. | String | 1 |  |  |
| ProprietaryLotIdentifier | A unique identifier representing the manufacturing lot of a Global Product Identifier. | String | 1 |  |  |
| ProprietaryProductIdentifier | An internal identifier used to identify a product. | String | 1 |  |  |
| ProprietaryReferenceIdentifier | A unique reference identifier for goods, services or business documents. | String | 1 | 255 | X(255) |
| ProprietarySerialIdentifier | Unique serial identifier assigned to the product. | String | 1 |  |  |
| ProprietaryShipmentTrackingIdentifier | Proprietary unique identifier for tracking product shipments. | String | 1 |  |  |

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| **Quantitative Fundamental Business Data Entities ( 3 )** | | | | | |
| **Name** | **Definition** | **Type** | **Min** | **Max** | **Representation** |
| HeightDimension | Vertical dimension of an object when object in the upright position. | Real | 1 | 15 | 9(13)V99 |
| LengthDimension | Largest horizontal dimension of an object measured when the object in the upright position. | Real | 1 | 15 | 9(13)V99 |
| WidthDimension | Shorter measurement of the two horizontal dimensions measured with object in the upright position. | Real | 1 | 15 | 9(13)V99 |

Advanced Ship Notification Outbound

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| 1 | 1 | AdvancedShipmentNotification |
| 2 | 1 | |-- BuyingPartner |
| 3 | 1 | |    |-- purchasedBy.PartnerDescription |
| 4 | 1 | |    |    |-- BusinessDescription |
| 5 | 0..1 | |    |    |    |-- businessName.FreeFormText |
| 6 | 0..1 | |    |    |    |-- GlobalBusinessIdentifier |
| 7 | 0..n | |    |    |    |-- PartnerBusinessIdentification |
| 8 | 1 | |    |    |    |    |-- ProprietaryBusinessIdentifier |
| 9 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 10 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 11 | 0..1 | |    |    |-- ContactInformation |
| 12 | 1 | |    |    |    |-- contactName.FreeFormText |
| 13 | 1 | |    |    |    |-- EmailAddress |
| 14 | 0..1 | |    |    |    |-- facsimileNumber.CommunicationsNumber |
| 15 | 0..1 | |    |    |    |-- telephoneNumber.CommunicationsNumber |
| 16 | 1 | |    |    |-- GlobalPartnerClassificationCode |
| 17 | 0..1 | |    |    |-- PhysicalLocation |
| 18 | 0..1 | |    |    |    |-- GlobalLocationIdentifier |
| 19 | 0..n | |    |    |    |-- PartnerLocationIdentification |
| 20 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 21 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 22 | 1 | |    |    |    |    |-- ProprietaryLocationIdentifier |
| 23 | 0..1 | |    |    |    |-- PhysicalAddress |
| 24 | 0..1 | |    |    |    |    |-- addressLine1.FreeFormText |
| 25 | 0..1 | |    |    |    |    |-- addressLine2.FreeFormText |
| 26 | 0..1 | |    |    |    |    |-- addressLine3.FreeFormText |
| 27 | 0..1 | |    |    |    |    |-- cityName.FreeFormText |
| 28 | 0..1 | |    |    |    |    |-- GlobalCountryCode |
| 29 | 0..1 | |    |    |    |    |-- NationalPostalCode |
| 30 | 0..1 | |    |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 31 | 0..1 | |    |    |    |    |-- regionName.FreeFormText |
| 32 | 1 | |-- OriginatingPartner |
| 33 | 1 | |    |-- shipFrom.PartnerDescription |
| 34 | 1 | |    |    |-- BusinessDescription |
| 35 | 0..1 | |    |    |    |-- businessName.FreeFormText |
| 36 | 0..1 | |    |    |    |-- GlobalBusinessIdentifier |
| 37 | 0..n | |    |    |    |-- PartnerBusinessIdentification |
| 38 | 1 | |    |    |    |    |-- ProprietaryBusinessIdentifier |
| 39 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 40 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 41 | 0..1 | |    |    |-- ContactInformation |
| 42 | 1 | |    |    |    |-- contactName.FreeFormText |
| 43 | 1 | |    |    |    |-- EmailAddress |
| 44 | 0..1 | |    |    |    |-- facsimileNumber.CommunicationsNumber |
| 45 | 0..1 | |    |    |    |-- telephoneNumber.CommunicationsNumber |
| 46 | 1 | |    |    |-- GlobalPartnerClassificationCode |
| 47 | 0..1 | |    |    |-- PhysicalLocation |
| 48 | 0..1 | |    |    |    |-- GlobalLocationIdentifier |
| 49 | 0..n | |    |    |    |-- PartnerLocationIdentification |
| 50 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 51 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 52 | 1 | |    |    |    |    |-- ProprietaryLocationIdentifier |
| 53 | 0..1 | |    |    |    |-- PhysicalAddress |
| 54 | 0..1 | |    |    |    |    |-- addressLine1.FreeFormText |
| 55 | 0..1 | |    |    |    |    |-- addressLine2.FreeFormText |
| 56 | 0..1 | |    |    |    |    |-- addressLine3.FreeFormText |
| 57 | 0..1 | |    |    |    |    |-- cityName.FreeFormText |
| 58 | 0..1 | |    |    |    |    |-- GlobalCountryCode |
| 59 | 0..1 | |    |    |    |    |-- NationalPostalCode |
| 60 | 0..1 | |    |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 61 | 0..1 | |    |    |    |    |-- regionName.FreeFormText |
| 62 | 1 | |-- SellingPartner |
| 63 | 1 | |    |-- soldBy.PartnerDescription |
| 64 | 1 | |    |    |-- BusinessDescription |
| 65 | 0..1 | |    |    |    |-- businessName.FreeFormText |
| 66 | 0..1 | |    |    |    |-- GlobalBusinessIdentifier |
| 67 | 0..n | |    |    |    |-- PartnerBusinessIdentification |
| 68 | 1 | |    |    |    |    |-- ProprietaryBusinessIdentifier |
| 69 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 70 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 71 | 0..1 | |    |    |-- ContactInformation |
| 72 | 1 | |    |    |    |-- contactName.FreeFormText |
| 73 | 1 | |    |    |    |-- EmailAddress |
| 74 | 0..1 | |    |    |    |-- facsimileNumber.CommunicationsNumber |
| 75 | 0..1 | |    |    |    |-- telephoneNumber.CommunicationsNumber |
| 76 | 1 | |    |    |-- GlobalPartnerClassificationCode |
| 77 | 0..1 | |    |    |-- PhysicalLocation |
| 78 | 0..1 | |    |    |    |-- GlobalLocationIdentifier |
| 79 | 0..n | |    |    |    |-- PartnerLocationIdentification |
| 80 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 81 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 82 | 1 | |    |    |    |    |-- ProprietaryLocationIdentifier |
| 83 | 0..1 | |    |    |    |-- PhysicalAddress |
| 84 | 0..1 | |    |    |    |    |-- addressLine1.FreeFormText |
| 85 | 0..1 | |    |    |    |    |-- addressLine2.FreeFormText |
| 86 | 0..1 | |    |    |    |    |-- addressLine3.FreeFormText |
| 87 | 0..1 | |    |    |    |    |-- cityName.FreeFormText |
| 88 | 0..1 | |    |    |    |    |-- GlobalCountryCode |
| 89 | 0..1 | |    |    |    |    |-- NationalPostalCode |
| 90 | 0..1 | |    |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 91 | 0..1 | |    |    |    |    |-- regionName.FreeFormText |
| 92 | 1 | |-- Shipment |
| 93 | 0..1 | |    |-- freightPaymentAccount.AccountNumber |
| 94 | 1..n | |    |-- GlobalCarrierCode |
| 95 | 0..1 | |    |-- GlobalIncotermsCode |
| 96 | 0..1 | |    |-- GlobalShipmentChangeDispositionCode |
| 97 | 0..1 | |    |-- GlobalShipmentModeCode |
| 98 | 1 | |    |-- GlobalShippingServiceLevelCode |
| 99 | 1 | |    |-- numberOfShippingContainers.CountableAmount |
| 100 | 1 | |    |-- ReceivingPartner |
| 101 | 1 | |    |    |-- shipTo.PartnerDescription |
| 102 | 1 | |    |    |    |-- BusinessDescription |
| 103 | 0..1 | |    |    |    |    |-- businessName.FreeFormText |
| 104 | 0..1 | |    |    |    |    |-- GlobalBusinessIdentifier |
| 105 | 0..n | |    |    |    |    |-- PartnerBusinessIdentification |
| 106 | 1 | |    |    |    |    |    |-- ProprietaryBusinessIdentifier |
| 107 | 1 | |    |    |    |    |    |-- ProprietaryDomainIdentifier |
| 108 | 0..1 | |    |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 109 | 0..1 | |    |    |    |-- ContactInformation |
| 110 | 1 | |    |    |    |    |-- contactName.FreeFormText |
| 111 | 1 | |    |    |    |    |-- EmailAddress |
| 112 | 0..1 | |    |    |    |    |-- facsimileNumber.CommunicationsNumber |
| 113 | 0..1 | |    |    |    |    |-- telephoneNumber.CommunicationsNumber |
| 114 | 1 | |    |    |    |-- GlobalPartnerClassificationCode |
| 115 | 0..1 | |    |    |    |-- PhysicalLocation |
| 116 | 0..1 | |    |    |    |    |-- GlobalLocationIdentifier |
| 117 | 0..n | |    |    |    |    |-- PartnerLocationIdentification |
| 118 | 1 | |    |    |    |    |    |-- ProprietaryDomainIdentifier |
| 119 | 0..1 | |    |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 120 | 1 | |    |    |    |    |    |-- ProprietaryLocationIdentifier |
| 121 | 0..1 | |    |    |    |    |-- PhysicalAddress |
| 122 | 0..1 | |    |    |    |    |    |-- addressLine1.FreeFormText |
| 123 | 0..1 | |    |    |    |    |    |-- addressLine2.FreeFormText |
| 124 | 0..1 | |    |    |    |    |    |-- addressLine3.FreeFormText |
| 125 | 0..1 | |    |    |    |    |    |-- cityName.FreeFormText |
| 126 | 0..1 | |    |    |    |    |    |-- GlobalCountryCode |
| 127 | 0..1 | |    |    |    |    |    |-- NationalPostalCode |
| 128 | 0..1 | |    |    |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 129 | 0..1 | |    |    |    |    |    |-- regionName.FreeFormText |
| 130 | 0..1 | |    |-- shipmentChangeReason.FreeFormText |
| 131 | 1 | |    |-- shipmentIdentifier.ProprietaryReferenceIdentifier |
| 132 | 1..n | |    |-- ShipmentTransportationEvent |
| 133 | 1 | |    |    |-- DateStamp |
| 134 | 1 | |    |    |-- GlobalShipDateCode |
| 135 | 1..n | |    |-- ShippingContainer |
| 136 | 0..1 | |    |    |-- GlobalPackageTypeCode |
| 137 | 0..1 | |    |    |-- LinearPhysicalDimension |
| 138 | 1 | |    |    |    |-- GlobalPhysicalUnitOfMeasureCode |
| 139 | 0..1 | |    |    |    |-- HeightDimension |
| 140 | 0..1 | |    |    |    |-- LengthDimension |
| 141 | 0..1 | |    |    |    |-- WidthDimension |
| 142 | 0..1 | |    |    |-- MassPhysicalDimension |
| 143 | 0..1 | |    |    |    |-- Volume |
| 144 | 1 | |    |    |    |    |-- GlobalPhysicalUnitOfMeasureCode |
| 145 | 1 | |    |    |    |    |-- Mass |
| 146 | 1 | |    |    |    |-- Weight |
| 147 | 1 | |    |    |    |    |-- GlobalPhysicalUnitOfMeasureCode |
| 148 | 1 | |    |    |    |    |-- Mass |
| 149 | 0..1 | |    |    |-- numberOfShippingContainers.CountableAmount |
| 150 | 0..1 | |    |    |-- shippingContainerIdentifier.ProprietarySerialIdentifier |
| 151 | 0..n | |    |    |-- ShippingContainerItem |
| 152 | 1..n | |    |    |    |-- DocumentSubLineLotShipReference |
| 153 | 1 | |    |    |    |    |-- GlobalDocumentReferenceTypeCode |
| 154 | 0..1 | |    |    |    |    |-- LineNumber |
| 155 | 0..n | |    |    |    |    |-- LotShipReference |
| 156 | 0..1 | |    |    |    |    |    |-- expiryDate.DateStamp |
| 157 | 1 | |    |    |    |    |    |-- LotIdentification |
| 158 | 1 | |    |    |    |    |    |    |-- primaryLotIdentifier.ProprietaryReferenceIdentifier |
| 159 | 0..1 | |    |    |    |    |    |    |-- secondaryLotIdentifier.ProprietaryReferenceIdentifier |
| 160 | 1..n | |    |    |    |    |    |-- LotQuantity |
| 161 | 1 | |    |    |    |    |    |    |-- GlobalLotQuantityClassificationCode |
| 162 | 1 | |    |    |    |    |    |    |-- GlobalProductUnitOfMeasureCode |
| 163 | 1 | |    |    |    |    |    |    |-- ProductQuantity |
| 164 | 0..1 | |    |    |    |    |    |-- manufacturingDateCode.ProprietaryReferenceIdentifier |
| 165 | 1 | |    |    |    |    |-- ProprietaryDocumentIdentifier |
| 166 | 0..1 | |    |    |    |    |-- requestedQuantity.ProductQuantity |
| 167 | 1 | |    |    |    |    |-- shippedLotQuantity.ProductQuantity |
| 168 | 0..1 | |    |    |    |    |-- subLineNumber.LineNumber |
| 169 | 0..n | |    |    |    |-- ExportLicense |
| 170 | 0..1 | |    |    |    |    |-- NationalExportControlClassificationCode |
| 171 | 1 | |    |    |    |-- GlobalProductUnitOfMeasureCode |
| 172 | 0..n | |    |    |    |-- HazardousMaterialDescription |
| 173 | 1 | |    |    |    |    |-- NationalHazardousMaterialUnitedNationsClassificationCode |
| 174 | 1 | |    |    |    |-- isContainsHazardousMaterial.AffirmationIndicator |
| 175 | 0..n | |    |    |    |-- ManufacturerProfile |
| 176 | 0..1 | |    |    |    |    |-- countryOfOrigin.GlobalCountryCode |
| 177 | 0..1 | |    |    |    |    |-- manufactureDate.DateStamp |
| 178 | 0..1 | |    |    |    |    |-- parentProductSerialIdentifier.ProprietarySerialIdentifier |
| 179 | 0..1 | |    |    |    |    |-- productSerialIdentifier.ProprietarySerialIdentifier |
| 180 | 0..1 | |    |    |    |-- NationalHarmonizedTariffScheduleCode |
| 181 | 0..1 | |    |    |    |-- numberOfItemPackages.CountableAmount |
| 182 | 1 | |    |    |    |-- ProductIdentification |
| 183 | 0..1 | |    |    |    |    |-- GlobalProductIdentifier |
| 184 | 0..n | |    |    |    |    |-- PartnerProductIdentification |
| 185 | 1 | |    |    |    |    |    |-- GlobalPartnerClassificationCode |
| 186 | 1 | |    |    |    |    |    |-- ProprietaryProductIdentifier |
| 187 | 0..1 | |    |    |    |    |    |-- revisionIdentifier.FreeFormText |
| 188 | 1 | |    |    |    |-- shippedQuantity.ProductQuantity |
| 189 | 0..1 | |    |    |    |-- shippingContainerItemIdentifier.ProprietarySerialIdentifier |
| 190 | 0..n | |    |    |    |-- traceIdentifier.ProprietaryLotIdentifier |
| 191 | 0..n | |    |    |-- SubContainer |
| 192 | 1 | |    |    |    |-- (ShippingContainer) |
| 193 | 0..1 | |    |    |-- TrackingReference |
| 194 | 1 | |    |    |    |-- GlobalTrackingReferenceTypeCode |
| 195 | 1 | |    |    |    |-- ProprietaryShipmentTrackingIdentifier |
| 196 | 0..n | |    |-- TrackingReference |
| 197 | 1 | |    |    |-- GlobalTrackingReferenceTypeCode |
| 198 | 1 | |    |    |-- ProprietaryShipmentTrackingIdentifier |
| 199 | 1 | |    |-- transportedBy.PartnerDescription |
| 200 | 1 | |    |    |-- BusinessDescription |
| 201 | 0..1 | |    |    |    |-- businessName.FreeFormText |
| 202 | 0..1 | |    |    |    |-- GlobalBusinessIdentifier |
| 203 | 0..n | |    |    |    |-- PartnerBusinessIdentification |
| 204 | 1 | |    |    |    |    |-- ProprietaryBusinessIdentifier |
| 205 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 206 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 207 | 0..1 | |    |    |-- ContactInformation |
| 208 | 1 | |    |    |    |-- contactName.FreeFormText |
| 209 | 1 | |    |    |    |-- EmailAddress |
| 210 | 0..1 | |    |    |    |-- facsimileNumber.CommunicationsNumber |
| 211 | 0..1 | |    |    |    |-- telephoneNumber.CommunicationsNumber |
| 212 | 1 | |    |    |-- GlobalPartnerClassificationCode |
| 213 | 0..1 | |    |    |-- PhysicalLocation |
| 214 | 0..1 | |    |    |    |-- GlobalLocationIdentifier |
| 215 | 0..n | |    |    |    |-- PartnerLocationIdentification |
| 216 | 1 | |    |    |    |    |-- ProprietaryDomainIdentifier |
| 217 | 0..1 | |    |    |    |    |-- ProprietaryIdentifierAuthority |
| 218 | 1 | |    |    |    |    |-- ProprietaryLocationIdentifier |
| 219 | 0..1 | |    |    |    |-- PhysicalAddress |
| 220 | 0..1 | |    |    |    |    |-- addressLine1.FreeFormText |
| 221 | 0..1 | |    |    |    |    |-- addressLine2.FreeFormText |
| 222 | 0..1 | |    |    |    |    |-- addressLine3.FreeFormText |
| 223 | 0..1 | |    |    |    |    |-- cityName.FreeFormText |
| 224 | 0..1 | |    |    |    |    |-- GlobalCountryCode |
| 225 | 0..1 | |    |    |    |    |-- NationalPostalCode |
| 226 | 0..1 | |    |    |    |    |-- postOfficeBoxIdentifier.FreeFormText |
| 227 | 0..1 | |    |    |    |    |-- regionName.FreeFormText |
| 228 | 1 | fromRole.PartnerRoleDescription |
| 229 | 1 | |-- ContactInformation |
| 230 | 1 | |    |-- contactName.FreeFormText |
| 231 | 1 | |    |-- EmailAddress |
| 232 | 0..1 | |    |-- facsimileNumber.CommunicationsNumber |
| 233 | 1 | |    |-- telephoneNumber.CommunicationsNumber |
| 234 | 1 | |-- GlobalPartnerRoleClassificationCode |
| 235 | 1 | |-- PartnerDescription |
| 236 | 1 | |    |-- BusinessDescription |
| 237 | 1 | |    |    |-- GlobalBusinessIdentifier |
| 238 | 0..1 | |    |    |-- GlobalSupplyChainCode |
| 239 | 1 | |    |-- GlobalPartnerClassificationCode |
| 240 | 1 | GlobalDocumentFunctionCode |
| 241 | 1 | thisDocumentGenerationDateTime.DateTimeStamp |
| 242 | 1 | thisDocumentIdentifier.ProprietaryDocumentIdentifier |
| 243 | 1 | toRole.PartnerRoleDescription |
| 244 | 0..1 | |-- ContactInformation |
| 245 | 1 | |    |-- contactName.FreeFormText |
| 246 | 1 | |    |-- EmailAddress |
| 247 | 0..1 | |    |-- facsimileNumber.CommunicationsNumber |
| 248 | 1 | |    |-- telephoneNumber.CommunicationsNumber |
| 249 | 1 | |-- GlobalPartnerRoleClassificationCode |
| 250 | 1 | |-- PartnerDescription |
| 251 | 1 | |    |-- BusinessDescription |
| 252 | 1 | |    |    |-- GlobalBusinessIdentifier |
| 253 | 0..1 | |    |    |-- GlobalSupplyChainCode |
| 254 | 1 | |    |-- GlobalPartnerClassificationCode |

**Guideline Information**

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| **BusinessDescription** | **Lines: 4 34 64 102 200 236 251** |
| **Constraint:** At least one business identifier must be provided: "businessName", "GlobalBusinessIdentifier" or at least one entity in "PartnerBusinessIdentification". |  |

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| **GlobalPartnerClassificationCode** | **Lines: 16 46 76 114 185 212 239 254** |
| **Entity Instances** | |
| Broker | Representative of a third party. |
| Carrier | Product carrier for transporting goods in supply chain. |
| Contract Manufacturer | The party responsible for the services rendered. |
| Customs Broker | Product customs broker in supply chain. |
| Distribution Center | Product distributor in supply chain. |
| Distributor | Product distributor in supply chain. |
| End User | Product end user in supply chain. |
| End User Government | End user government. |
| Financier | Financial service provider in supply chain |
| Freight Forwarder | Product freight forwarder for transporting goods in supply chain. |
| Manufacturer | Product manufacturer in supply chain. |
| Manufacturing Division | A separate unit of a manufacturer. |
| Original Equipment Manufacturer | Product manufacturer of original equipment in the supply chain. |
| Reseller | The party who buys goods from a manufacturer and resells them to customers unchanged. |
| Retailer | Product retailer in supply chain. |
| Service Provider | A provider of services such as repair, diagnoses, maintainence, installation or removal of a unit. |
| Shopper | Product shopper in supply chain. |
| Supplier | Used to identify a supplier’s part number or the model number of the product or service. |
| Warehouser | Product warehouser in supply chain. |

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| **PhysicalLocation** | **Lines: 17 47 77 115 213** |
| **Constraint:** At least one occurrence of "GlobalLocationIdentifier", "PartnerLocationIdentifier" or "PhysicalAddress" is required. |  |

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| **PhysicalAddress** | **Lines: 23 53 83 121 219** |
| **Constraint:** At least one associated element under PhysicalAddress is required, if "GlobalLocationIdentifier" or "PartnerLocationIdentifier" is not provided. |  |

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| **GlobalCountryCode** | **Lines: 28 58 88 126 176 224** |
| **Entity Instances** | |
| AD | ANDORRA |
| AE | UNITED ARAB EMIRATES |
| AF | AFGHANISTAN |
| AG | ANTIGUA AND BARBUDA |
| AI | ANGUILLA |
| AL | ALBANIA |
| AM | ARMENIA |
| AN | NETHERLANDS ANTILLES |
| AO | ANGOLA |
| AQ | ANTARCTICA |
| AR | ARGENTINA |
| AS | AMERICAN SAMOA |
| AT | AUSTRIA |
| AU | AUSTRALIA |
| AW | ARUBA |
| AX | ÅLAND ISLANDS |
| AZ | AZERBAIJAN |
| BA | BOSNIA AND HERZEGOVINA |
| BB | BARBADOS |
| BD | BANGLADESH |
| BE | BELGIUM |
| BF | BURKINA FASO |
| BG | BULGARIA |
| BH | BAHRAIN |
| BI | BURUNDI |
| BJ | BENIN |
| BL | SAINT BARTHELEMY |
| BM | BERMUDA |
| BN | BRUNEI DARUSSALAM |
| BO | BOLIVIA |
| BR | BRAZIL |
| BS | BAHAMAS |
| BT | BHUTAN |
| BV | BOUVET ISLAND |
| BW | BOTSWANA |
| BY | BELARUS |
| BZ | BELIZE |
| CA | CANADA |
| CC | COCOS (KEELING) ISLANDS |
| CD | CONGO, THE DEMOCRATIC REPUBLIC OF THE |
| CF | CENTRAL AFRICAN REPUBLIC |
| CG | CONGO |
| CH | SWITZERLAND |
| CI | CÔTE D'IVOIRE |
| CK | COOK ISLANDS |
| CL | CHILE |
| CM | CAMEROON |
| CN | CHINA |
| CO | COLOMBIA |
| CR | COSTA RICA |
| CS | SERBIA AND MONTENEGRO |
| CU | CUBA |
| CV | CAPE VERDE |
| CX | CHRISTMAS ISLAND |
| CY | CYPRUS |
| CZ | CZECH REPUBLIC |
| DE | GERMANY |
| DJ | DJIBOUTI |
| DK | DENMARK |
| DM | DOMINICA |
| DO | DOMINICAN REPUBLIC |
| DZ | ALGERIA |
| EC | ECUADOR |
| EE | ESTONIA |
| EG | EGYPT |
| EH | WESTERN SAHARA |
| ER | ERITREA |
| ES | SPAIN |
| ET | ETHIOPIA |
| FI | FINLAND |
| FJ | FIJI |
| FK | FALKLAND ISLANDS (MALVINAS) |
| FM | MICRONESIA, FEDERATED STATES |
| FO | FAROE ISLANDS |
| FR | FRANCE |
| GA | GABON |
| GB | UNITED KINGDOM |
| GD | GRENADA |
| GE | GEORGIA |
| GF | FRENCH GUIANA |
| GG | GUERNSEY |
| GH | GHANA |
| GI | GIBRALTAR |
| GL | GREENLAND |
| GM | GAMBIA |
| GN | GUINEA |
| GP | GUADELOUPE |
| GQ | EQUATORIAL GUINEA |
| GR | GREECE |
| GS | SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS |
| GT | GUATEMALA |
| GU | GUAM |
| GW | GUINEA-BISSAU |
| GY | GUYANA |
| HK | HONG KONG |
| HM | HEARD ISLAND AND MCDONALD ISLANDS |
| HN | HONDURAS |
| HR | CROATIA |
| HT | HAITI |
| HU | HUNGARY |
| ID | INDONESIA |
| IE | IRELAND |
| IL | ISRAEL |
| IM | ISLE OF MAN |
| IN | INDIA |
| IO | BRITISH INDIAN OCEAN TERRITORY |
| IQ | IRAQ |
| IR | IRAN, ISLAMIC REPUBLIC OF |
| IS | ICELAND |
| IT | ITALY |
| JE | JERSEY |
| JM | JAMAICA |
| JO | JORDAN |
| JP | JAPAN |
| KE | KENYA |
| KG | KYRGYSTAN |
| KH | CAMBODIA |
| KI | KIRIBATI |
| KM | COMOROS |
| KN | SAINT KITTS AND NEVIS |
| KP | KOREA, DEMOCRATIC PEOPLE'S REP. OF |
| KR | KOREA, REPUBLIC OF |
| KW | KUWAIT |
| KY | CAYMAN ISLANDS |
| KZ | KAZAKSTAN |
| LA | LAO PEOPLE'S DEMOCRATIC REPUBLIC |
| LB | LEBANON |
| LC | SAINT LUCIA |
| LI | LIECHTENSTEIN |
| LK | SRI LANKA |
| LR | LIBERIA |
| LS | LESOTHO |
| LT | LITHUANIA |
| LU | LUXEMBOURG |
| LV | LATVIA |
| LY | LIBYAN ARAB JAMAHIRIYA |
| MA | MOROCCO |
| MC | MONACO |
| MD | MOLDOVA, REPUBLIC OF |
| ME | MONTENEGRO |
| MF | SAINT MARTIN |
| MG | MADAGASCAR |
| MH | MARSHALL ISLANDS |
| MK | MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF |
| ML | MALI |
| MM | MYANMAR |
| MN | MONGOLIA |
| MO | MACAU |
| MP | NORTHERN MARIANA ISLANDS |
| MQ | MARTINIQUE |
| MR | MAURITANIA |
| MS | MONTSERRAT |
| MT | MALTA |
| MU | MAURITIUS |
| MV | MALDIVES |
| MW | MALAWI |
| MX | MEXICO |
| MY | MALAYSIA |
| MZ | MOZAMBIQUE |
| NA | NAMIBIA |
| NC | NEW CALEDONIA |
| NE | NIGER |
| NF | NORFOLK ISLAND |
| NG | NIGERIA |
| NI | NICARAGUA |
| NL | NETHERLANDS |
| NO | NORWAY |
| NP | NEPAL |
| NR | NAURU |
| NT | NEUTRAL ZONE |
| NU | NIUE |
| NZ | NEW ZEALAND |
| OM | OMAN |
| PA | PANAMA |
| PE | PERU |
| PF | FRENCH POLYNESIA |
| PG | PAPUA NEW GUINEA |
| PH | PHILIPPINES |
| PK | PAKISTAN |
| PL | POLAND |
| PM | SAINT PIERRE AND MIQUELON |
| PN | PITCAIRN |
| PR | PUERTO RICO |
| PS | PALESTINIAN TERRITORY, OCCUPIED |
| PT | PORTUGAL |
| PW | PALAU |
| PY | PARAGUAY |
| QA | QATAR |
| RE | REUNION |
| RO | ROMANIA |
| RS | SERBIA |
| RU | RUSSIAN FEDERATION |
| RW | RWANDA |
| SA | SAUDI ARABIA |
| SB | SOLOMON ISLANDS |
| SC | SEYCHELLES |
| SD | SUDAN |
| SE | SWEDEN |
| SG | SINGAPORE |
| SH | SAINT HELENA |
| SI | SLOVENIA |
| SJ | SVALBARD AND JAN MAYEN ISLANDS |
| SK | SLOVAKIA |
| SL | SIERRA LEONE |
| SM | SAN MARINO |
| SN | SENEGAL |
| SO | SOMALIA |
| SR | SURINAME |
| SS | SOUTH SUDAN |
| ST | SAO TOME AND PRINCIPE |
| SV | EL SALVADOR |
| SY | SYRIAN ARAB REPUBLIC |
| SZ | SWAZILAND |
| TC | TURKS AND CAICOS ISLANDS |
| TD | CHAD |
| TF | FRENCH SOUTHERN TERRITORIES |
| TG | TOGO |
| TH | THAILAND |
| TJ | TAJIKISTAN |
| TK | TOKELAU |
| TL | TIMOR-LESTE |
| TM | TURKMENISTAN |
| TN | TUNISIA |
| TO | TONGA |
| TP | EAST TIMOR |
| TR | TURKEY |
| TT | TRINIDAD AND TOBAGO |
| TV | TUVALU |
| TW | TAIWAN, PROVINCE OF CHINA |
| TZ | TANZANIA, UNITED REPUBLIC OF |
| UA | UKRAINE |
| UG | UGANDA |
| UM | UNITED STATES MINOR OUTLYING ISLANDS |
| US | UNITED STATES |
| UY | URUGUAY |
| UZ | UZBEKISTAN |
| VA | HOLY SEE (VATICAN CITY STATE) |
| VC | SAINT VINCENT AND THE GRENADINES |
| VE | VENEZUELA |
| VG | VIRGIN ISLANDS (BRITISH) |
| VI | VIRGIN ISLANDS (U.S.) |
| VN | VIET NAM |
| VU | VANUATU |
| WF | WALLIS AND FUTUNA ISLANDS |
| WS | SAMOA |
| YE | YEMEN |
| YT | MAYOTTE |
| YU | YUGOSLAVIA |
| ZA | SOUTH AFRICA |
| ZM | ZAMBIA |
| ZR | ZAIRE |
| ZW | ZIMBABWE |

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| **GlobalIncotermsCode** | **Lines: 95** |
| **Entity Instances** | |
| CFR | Cost and Freight (named port of destination) |
| CIF | Cost, Insurance and Freight (named port of destination) |
| CIP | Carriage and Insurance Paid To (named place of destination) |
| CPT | Carriage Paid To (named place of destination) |
| DAF | Delivered at Frontier (named place) |
| DAP | Delivery at Place |
| DAT | Delivery at Terminal |
| DDP | Delivered Duty Paid (named place of destination) |
| DDU | Delivered Duty Unpaid (named place of destination) |
| DEQ | Delivered Ex Quay (Duty Paid) (named port of destination) |
| DES | Delivered Ex Ship (named port of destination) |
| EXW | Ex Works (named place) |
| FAS | Free Along Ship (named port of shipment) |
| FCA | Free Carrier (named place) |
| FOB | Free on Board (named port of shipment) |

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| **GlobalShipmentChangeDispositionCode** | **Lines: 96** |
| **Entity Instances** | |
| Abandon shipment |  |
| Cancel shipment |  |
| Destroy shipment |  |
| Reassignment of carrier |  |
| Release shipment |  |
| Return Shipment |  |
| Stop shipment until further notice |  |

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| **GlobalShipmentModeCode** | **Lines: 97** |
| **Entity Instances** | |
| Air |  |
| Air Express |  |
| Air Freight |  |
| Containerized Ocean |  |
| Contract Carrier |  |
| Customer Pickup |  |
| Expedited Truck |  |
| Intermodal |  |
| Motor |  |
| Ocean |  |
| Private Carrier |  |
| Rail |  |

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| **GlobalShippingServiceLevelCode** | **Lines: 98** |
| **Entity Instances** | |
| 1BD | Same Business Day - 4 hour Response Time. |
| 5BD | Five Business Days. |
| 9 A.M. |  |
| A.M. |  |
| Air Cargo |  |
| Air Charter |  |
| Air Economy |  |
| Authorized Return Service |  |
| Bulk Commodity Train |  |
| Business Class |  |
| Consignee Billing Service |  |
| Courier Express |  |
| Deferred Service |  |
| Delivery Confirmation |  |
| Delivery Confirmation Return |  |
| Delivery Notification Only |  |
| Delivery scheduled next day by cartage agent |  |
| Delivery scheduled second day by cartage agent |  |
| Delivery scheduled third day by cartage agent |  |
| Door Service |  |
| Expedited Service |  |
| Expedited Service - Worldwide |  |
| Express Service |  |
| Express Service - Worldwide |  |
| Express Service Plus |  |
| First Class |  |
| Ground |  |
| Manifest Freight |  |
| Metro |  |
| Multiweight |  |
| NBD | Next Business Day. |
| Next Day Air |  |
| Next Day Hundred Weight |  |
| Next Flight Out |  |
| Next Morning |  |
| NORMAL | Normal Delivery. |
| Not Served |  |
| Other Intermodal and Stack Service |  |
| Overnight |  |
| P.O. Box/Zip Code |  |
| Passenger Service |  |
| Pickup |  |
| PM |  |
| Premium Surface |  |
| Primary Service Area - Next Day by 10:30 A.M. |  |
| Primary Service Area - Next Day by 5:00 P.M. |  |
| Primary Service Area - Next Day By 9:30 AM |  |
| Primary Service Area - Next Day by Noon |  |
| Primary Service Area - Second Day by Noon |  |
| Priority Mail |  |
| Priority Mail Insured |  |
| Proof of Delivery (POD) with Signature |  |
| Regular |  |
| Same Day |  |
| Saturday |  |
| Saturday Pickup |  |
| SBD | Second Business Day. |
| Scheduled |  |
| Second Day |  |
| Second Day Air |  |
| Second Day Hundred Weight |  |
| Second Morning |  |
| Standard Class |  |
| Standard Ground |  |
| Standard Ground Hundred Weight |  |
| Standard Ocean |  |
| Standard Service |  |
| Sunday and Holidays |  |
| Three Day Service |  |
| Time Critical |  |
| Tracking - Ground |  |

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| **GlobalShipDateCode** | **Lines: 134** |
| **Entity Instances** | |
| Acceptance |  |
| Accrual End Date |  |
| Accrual Start Date |  |
| Action |  |
| Actual Free Time Expiration Date |  |
| Actual Pickup Date |  |
| Actual Placement |  |
| Arrival at Destination Yard |  |
| Backorder Release Date |  |
| Beginning Date of Customer Plant Shutdown |  |
| Bill of Lading |  |
| Bill of Lading Initiated Date |  |
| Buy Period Date - End |  |
| Buy Period Date - Start |  |
| Cancel After This Date |  |
| Charge Back Date |  |
| Charged From |  |
| Charged To |  |
| Check Date |  |
| Contract Closed |  |
| Contract Final Payment |  |
| Contract Physically Completed |  |
| Customs Release |  |
| Cutoff Date |  |
| Date Available/Constructive Replacement |  |
| Date Delivery Commenced |  |
| Date Invoice Created |  |
| Date Issued |  |
| Date Loading Commenced |  |
| Date Loading Completed |  |
| Date Shipped to Port of Embarkation (POE) |  |
| Date Unloaded |  |
| Deliver No Later Than Date |  |
| Deliver Not Before Date |  |
| Deliver Week Of |  |
| Delivered By This Date |  |
| Delivered on This Date |  |
| Delivery Appointment Granted Date |  |
| Delivery Appointment Scheduled Date |  |
| Delivery Requested on This Date |  |
| Delivery Requested Scheduled Date |  |
| Demand Receipt Date |  |
| Duty Paid |  |
| Earliest Pickup Date |  |
| Effective Date |  |
| Ending Date of Customer Plant Shutdown |  |
| Equipment Furnished Date |  |
| Est. Next Promo. Date End |  |
| Est. Next Promo. Date Start |  |
| Est. Next Promo. Ship Date End |  |
| Est. Next Promo. Ship Date Start |  |
| Estimated Contract Completion |  |
| Estimated Delivery Date |  |
| Expected Reply |  |
| Expiration Date |  |
| Extended Closeout |  |
| First Order Date |  |
| First Ship Date |  |
| Freight Bill Date |  |
| Guarantee Expiration Date |  |
| Inspection |  |
| Invoice Date |  |
| Last Acquisition |  |
| Last Demand |  |
| Latest Pickup Date |  |
| Manufacture |  |
| Must Respond By |  |
| Notified |  |
| Offered for Delivery |  |
| Ordered |  |
| Original Purchase Order Date |  |
| Original Transaction |  |
| Pack Date |  |
| Period End |  |
| Pickup Appointment Granted Date |  |
| Pickup Appointment Scheduled Date |  |
| Pickup Requested Scheduled Date |  |
| Preferred Payment Date |  |
| Price Change Effective Date |  |
| Price Change Last Arrival Date |  |
| Price Change Last Order Date |  |
| Price Change Last Ship Date |  |
| Process Date |  |
| Product Receipt Date |  |
| Promotion End |  |
| Promotion Floor Stock Protect - End |  |
| Promotion Floor Stock Protect - Start |  |
| Promotion Invoice Protection Date - End |  |
| Promotion Invoice Protection Date - Start |  |
| Promotion Order Date - End |  |
| Promotion Order Date - Start |  |
| Promotion Performance Date - End |  |
| Promotion Performance Date - Start |  |
| Promotion Requested Delivery Date - End |  |
| Promotion Requested Delivery Date - Start |  |
| Promotion Ship Date - End |  |
| Promotion Ship Date - Start |  |
| Promotion Start |  |
| Publication Date |  |
| Purchase Order Date |  |
| Purchase Order Received |  |
| Recorded |  |
| Rejection |  |
| Released |  |
| Requested Delivery Date |  |
| Requested Pack Date |  |
| Requested Ship Date/Pick-up Date |  |
| Required By |  |
| Sailing Date |  |
| Scheduled Delivery Date |  |
| Scheduled Delivery Date, Appointment Confirmed |  |
| Scheduled Delivery Date, Needs Confirmation |  |
| Scheduled Pick-Up Date |  |
| Scheduled Pick-up Date, Appointment Confirmed |  |
| Scheduled Pick-up Date, Needs Confirmation |  |
| Scheduled Service Completion |  |
| Shelf-Life Expiration |  |
| Ship Not Before Date |  |
| Ship Not Later Than Date |  |
| Ship Week Of Date |  |
| Shipped on This Date |  |
| Signature |  |
| Sold Date |  |
| Spot for Load Date |  |
| Spot for Load Exchange Date (Export) |  |
| Spot for Storage Date (No Shipment) |  |
| Spot for Unload Date |  |
| Store Inventory Stock |  |
| Superseded Date |  |
| Terms Discount Due Date |  |
| Terms Net Due Date |  |
| Transaction Control Date |  |
| Transfer |  |
| Validated |  |
| Warehouse Inventory Stock |  |
| Warranty Expiration |  |

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| **GlobalPackageTypeCode** | **Lines: 136** |
| **Entity Instances** | |
| 6 Pack | Packaged in multiples of 6 units. |
| Bag |  |
| Bin |  |
| Box |  |
| Bulk Pack | Packaged in large volume. |
| Bundle |  |
| Can |  |
| Carrier |  |
| Carton |  |
| CLAMSHELL | Packaged in a device with two hinged jaws. |
| Coil |  |
| Container |  |
| C-PAK | A powerful vacuum unit complete with filter/cyclone and starter placed inside a heavy-duty container; a flexfiber cyclone for coarse separation; or packaged in covered tape. |
| Crate |  |
| Cylinder |  |
| Diskette Mailer | A container made of a small plastic magnetic disk enclosed in a stiff envelope with a radial slit; used to store data. |
| Drum |  |
| FLATPK Carrier | Packaged and laid in full length. |
| Gel Pack | Packaged in a colloid or semi-solid substance container. |
| Individual | Each packed separately. |
| Kit |  |
| Knockdown Tote Bin |  |
| Other | The package type is not contained in this list; contact manufacturer for the specific package type. |
| Package |  |
| Packed |  |
| Pallet |  |
| PBGA | Plastic Ball Grind Array |
| Peanut Jar | Packaged in a container filled with foam inserts. |
| PLCC | PLastic Chip Carrier |
| Reel |  |
| Retail Box | Packaged in a container that is for direct sales to the consumer. |
| Roll |  |
| Sack |  |
| Sample Shipper | A portion, piece, or segment that is representative of a whole. |
| Skid |  |
| Sleeve |  |
| Standard Carton | General pack that is commonly used or established as an acceptable media. |
| Tape | Material/Method of holding a string of computer chips |
| Tape and Reel | Used to identify that a product is packaged in a tape and reel form. |
| Tote Bin |  |
| TQFP | Thin Quad Flat Package |
| Tray | Packaged on a shallow flat receptacle with a raised edge or rim, used for carrying or holding pieces. |
| Tub |  |
| Tube | Packaged in a cylinder container. |
| Wafer Boat | Asmall thin circular slice of a semiconducting material, such as pure silicon, on which an integrated circuit can be formed. |
| Waffle Pack | Die that are packaged in a cavity with a defined matrix; typically a 2-inch or 4-inch square carrier with separate compartments for each die. |

|  |  |
| --- | --- |
| **GlobalPhysicalUnitOfMeasureCode** | **Lines: 138 144 147** |
| **Entity Instances** | |
| 10 Kilogram Drum |  |
| 10,000 Gallon Tankcar |  |
| 100 Board Feet |  |
| 100 Pound Drum |  |
| 1000-pack |  |
| 100-Pack |  |
| 10-pack |  |
| 115 Kilogram Drum |  |
| 15 Kilogram Drum |  |
| 20 Foot Container |  |
| 20,000 Gallon Tankcar |  |
| 20-Pack |  |
| 25 Kilogram Bulk Bag |  |
| 300 Kilogram Bulk Bag |  |
| 40 Foot Container |  |
| 50 Pound Bag |  |
| 500 Kilogram Bulk Bag |  |
| 50-pack |  |
| 55 Gallon Drum |  |
| Acre |  |
| Actual Pounds |  |
| Aluminum Pounds Only |  |
| Ampere |  |
| Angstrom |  |
| Bag |  |
| Bale |  |
| Ball |  |
| Band |  |
| Bar |  |
| Barrel |  |
| Barrel, Imperial |  |
| Barrels Per Day |  |
| Barrels Per Minute |  |
| Base Box |  |
| Base Weight |  |
| Basket |  |
| Batch |  |
| Batt |  |
| Batting Pound |  |
| Beam |  |
| Becquerel/kilogram |  |
| Belt |  |
| Billet |  |
| Bin |  |
| Bit |  |
| Block |  |
| Board |  |
| Board Feet |  |
| Bolt |  |
| Bottle |  |
| Box |  |
| British Thermal Unit (BTU) |  |
| British Thermal Units (BTUs) Per Cubic Foot |  |
| British Thermal Units (BTUs) Per Pound |  |
| Bucket |  |
| Bulk |  |
| Bulk Car Load |  |
| Bulk Pack |  |
| Bundle |  |
| Bunks |  |
| Bushel |  |
| Bushel, Dry Imperial |  |
| Bytes |  |
| Calorie |  |
| Can |  |
| Candela |  |
| Canister |  |
| Car |  |
| Carat |  |
| Carboy |  |
| Card |  |
| Carload |  |
| Carton |  |
| Cartridge |  |
| Case |  |
| Cask |  |
| Cassette |  |
| Catchweight |  |
| Cell |  |
| Centigram |  |
| Centiliter |  |
| Centimeter |  |
| Centipoise (CPS) |  |
| Chains (Land Survey) |  |
| Chest |  |
| Coil |  |
| Coil Group |  |
| Composite Product Pounds (Total Weight) |  |
| Cone |  |
| Connector |  |
| Container |  |
| Coulomb |  |
| Cover |  |
| Crate |  |
| Cubic Centimeter |  |
| Cubic centimeter/second |  |
| Cubic Foot |  |
| Cubic inch |  |
| Cubic yard |  |
| Cubicmeter |  |
| Cup |  |
| Cycles |  |
| Cylinder |  |
| Day |  |
| Deal |  |
| Decagram |  |
| Decibels |  |
| Decigram |  |
| Deciliter |  |
| Decimeter |  |
| Degree Celsius |  |
| Degree Fahrenheit |  |
| Dep. Factor |  |
| Die |  |
| Disk (Disc) |  |
| Dispenser |  |
| Display |  |
| Dozen |  |
| Dram |  |
| Drum |  |
| Dry Pounds |  |
| Each |  |
| Electrical Capacitance |  |
| Farad |  |
| Fluid Ounce |  |
| Fluid Ounce (Imperial) |  |
| Fluid Ounce US |  |
| Foot |  |
| Fuel Usage (Gallons) |  |
| Gage Systems |  |
| Gallon |  |
| Gigajoules |  |
| Gill (Imperial) |  |
| Grain |  |
| Gram |  |
| Gram/Cubic Centimeter |  |
| Gram/square meter |  |
| Grams Per 100 Centimeters |  |
| Grams Per 100 Grams |  |
| Grams Per Cubic Centimeter |  |
| Grams Per Kilogram |  |
| Grams Per Liter |  |
| Grams Per Milliliter |  |
| Grams Per Square Centimeter |  |
| Grams Per Square Meter |  |
| Great Gross (Dozen Gross) |  |
| Gross |  |
| Gross Barrels |  |
| Gross Gallons |  |
| Gross Kilogram |  |
| Gross Ton |  |
| Gross Yard |  |
| Group |  |
| Half Gallon |  |
| Half Hour |  |
| Half Liter |  |
| Hank |  |
| Heat lots |  |
| Hectare |  |
| Hectoliter |  |
| Hectopascal |  |
| Henry |  |
| Hertz |  |
| Hour |  |
| Hours |  |
| Hundred Boxes |  |
| Hundred Count |  |
| Hundred Sheets |  |
| Hundredth of a Carat |  |
| Imperial Gallons |  |
| Inch |  |
| Jar |  |
| Joint |  |
| Keg |  |
| Kelvin |  |
| Kiloampere |  |
| Kilobecquerel/Kilogram |  |
| Kilobyte |  |
| Kilogram |  |
| Kilogram per cubic meter |  |
| Kilogram/Kilogram |  |
| Kilogram/square meter |  |
| Kilogramm pro Sekunde |  |
| Kilohertz |  |
| Kilojoule |  |
| Kilometer |  |
| Kilometer/hour |  |
| Kiloohm |  |
| Kilovolt |  |
| Kilowatt |  |
| Kilowatt-hour |  |
| Kit |  |
| Kubikdezimeter |  |
| Kubikmeter pro Sekunde |  |
| Lifts |  |
| Link |  |
| Liquid Pounds |  |
| Liter |  |
| Load |  |
| Lot |  |
| Lug |  |
| Mat |  |
| Megabyte |  |
| Megagram |  |
| Megagrams Per Hour |  |
| Megahertz |  |
| Megapascal |  |
| Megawatt |  |
| Meter |  |
| Meter pro Quadratsekunde |  |
| Meters per second |  |
| Microgram |  |
| Micrograms Per Cubic Meter |  |
| Micrometer |  |
| Microsecond |  |
| Mikrogram/cubic meter |  |
| Mile |  |
| Miles |  |
| Milliampere |  |
| Milliamperes |  |
| Millibar |  |
| Milligram |  |
| Milligram/cubic meter |  |
| Milligram/kilogram |  |
| Milligram/Liter |  |
| Milligrams Per Cubic Meter |  |
| Milligrams Per Square Meter |  |
| Millijoule |  |
| Milliliter |  |
| Millimeter |  |
| Millimeter H20 |  |
| Millimol |  |
| Millimol/kilogram |  |
| Million BTU's |  |
| Millipascal seconds |  |
| Millisecond |  |
| Millitesla |  |
| Millivolt |  |
| Millivolts |  |
| Milliwatt |  |
| Minute |  |
| Miter |  |
| Mol |  |
| Mol/kilogram |  |
| Month |  |
| Multichip | When 2 or more dies (chips) are merged into one package. |
| Nanometer |  |
| Nanosecond |  |
| Net Barrels |  |
| Net Gallons |  |
| Net Imperial Gallons |  |
| Net Liters |  |
| Newton |  |
| Ohm |  |
| One |  |
| One Thousand Pieces |  |
| Ounce |  |
| Pack (PAK) |  |
| Package |  |
| Packet |  |
| Pad |  |
| Pail |  |
| Pair |  |
| Pallet |  |
| Pallet (Lift) |  |
| Pallet/Unit Load |  |
| Pallete |  |
| Panel |  |
| Parcel |  |
| Parts per billion (US) |  |
| Parts per million |  |
| Pascal |  |
| Pascal second |  |
| Pennyweight |  |
| Per Hundred Pieces |  |
| Percent |  |
| Percent Per 1000 Hours |  |
| Percent Weight |  |
| Percentage |  |
| Picofarad |  |
| Piece |  |
| Pint - US liquid |  |
| Pint U.S. Dry |  |
| Plate |  |
| Pound |  |
| Pounds Per 1000 Square Feet |  |
| Pounds Per Foot |  |
| Pounds Per Gallon |  |
| Pounds Per Piece of Product |  |
| Pounds Per Pound of Product |  |
| Pounds Per Thousand |  |
| Quart - US liquid |  |
| Rack |  |
| Ream of 500 Sheets |  |
| Reel |  |
| Ring |  |
| Rod |  |
| Roll |  |
| Sack |  |
| Second |  |
| SET | Mask Set (SET) |
| Sheet |  |
| Sheet-Metric measure |  |
| Shipment |  |
| Shot |  |
| Skein |  |
| Skid |  |
| Sleeve |  |
| Slip Sheet |  |
| Spool |  |
| Square |  |
| Square foot |  |
| Square inch |  |
| Square kilometer |  |
| Square meter |  |
| Square meter/second |  |
| Square mile |  |
| Square millimeter |  |
| Square Yard |  |
| Statute Mile |  |
| Stick |  |
| Strip |  |
| Super Bulk Bag |  |
| Tablet |  |
| Tank |  |
| Tank Truck |  |
| Tesla |  |
| Thousand |  |
| Ton |  |
| Tonne |  |
| Torr |  |
| Tote |  |
| Track Foot |  |
| Trailer |  |
| Train |  |
| Tray |  |
| Troy |  |
| Troy OZ |  |
| Truckload |  |
| Tube |  |
| Unit | Measurement in terms of a unit for a product. |
| Unitless Unit of Measure |  |
| US gallon |  |
| US pound |  |
| US ton |  |
| Vial |  |
| Volt |  |
| Volts (Alternating Current) |  |
| Volts (Direct Current) |  |
| Volts Per Meter |  |
| Wafer |  |
| Watt |  |
| Week |  |
| WF | Wafer (WF) |
| Wrap |  |
| Yard |  |
| Year |  |

|  |  |
| --- | --- |
| **GlobalDocumentReferenceTypeCode** | **Lines: 153** |
| **Entity Instances** | |
| Applied Promotions |  |
| Approval | Authorization Request Approval |
| ASP Claim | The unique identifier assigned by the ASP for a warranty claim. |
| ASP Part Return | The unique identifier assigned by the ASP for a part return. |
| ASP PartOrder | The unique identifier assigned by the ASP for a part order. |
| ASP Requisition | The unique identifier assigned by the ASP to reference a work order. |
| Catalog | Product Catalog. |
| Commercial Invoice |  |
| Component Failure Analysis Request Number | Failure Analysis request document that will accompany the product providing characteristics of the component failure. |
| Consumption Reference | Unique consumption reference number identifying the product consumption issue i.e. one-to-one relationship with physical flow. |
| Contract |  |
| Credit Memo | Traditional credit note or memo. |
| Customer Batch Number | Product batch number of customer. |
| Customer Order Number | In a virtual sourcing relationship, a third party trading partner is supplying a part to a customer on behalf of another company that has taken the order for the customer. In this case a Customer Order Number is associated to the request for material that is sent to the virtual trading partners. |
| Customs Number | Customs clearance number. |
| Debit Memo | Traditional debit note or memo. |
| Delivery Note |  |
| Discontinuation | Discontinuation Notice. |
| Drawing # |  |
| Fulfillment Order | Sales order or transfer order fulfilling demand out of a facility (outbound shipment). |
| Invoice |  |
| Master Event Number |  |
| Model Number |  |
| Notes |  |
| OEM Claim | The unique identifier assigned by the OEM for a warranty claim. |
| OEM Part Order | The unique identifier assigned by the OEM for a part order. |
| OEM Part Return | The unique identifier assigned by the OEM for a part return. |
| OGA | Other governmental agency issued document. |
| Original Invoice | Refers to previously issued invoice. |
| Original SBI Invoice | Refers to previously issued self-billing invoice. |
| Packing List/Packing Slip | Unique number that identifies packing form prior to shipment. |
| Product Failure Analysis Request Number | Failure Analysis request document that will accompany the product providing characteristics of the product failure. |
| Productuion Order Number | Production order number for material release. |
| Purchase Order |  |
| Purchase Order IN |  |
| Purchase Order OUT |  |
| Quote |  |
| Receipt | Document identifying the receipt of materials or products into a facility against a purchase order or transfer order (inbound shipment). |
| Replenishment Order | Purchase order or transfer order replenishing inventory into a facility (inbound shipment). |
| Requisition |  |
| Rework Purchase Order | Purchase order for materials or product returned to and reworked by a supplier. |
| RMA - Returned Material Authorization |  |
| Sales Order |  |
| Scheduling Agreement | Similar to contracts. Contains the quantity of an article that is to be ordered from a vendor and the price for article or service that is to be procured. |
| Self Billing Credit Memo | Credit Memo used in self-billing scenario. |
| Self Billing Debit Memo | Debit Memo used in self-billing scenario. |
| Self Billing Invoice | Invoice in self billing scenario. |
| Serial Number |  |
| Service Order | A document that gives a repair provider the necessary authorization to repair or upgrade a product either at the customer site or at the repair provider’s site. |
| Shipping Reference Identifier | A document that contains the shipping reference number which allows the product to be tracked within the outsourced logistic providers network. |
| SNCL | Shipset Number on Code List |
| Spec # |  |
| Supplier Batch Number | Product batch number of supplier. |
| Switch Authorization |  |
| Terms and Conditions |  |
| Transfer Order | Order which results in materials or products being moved from one facility to another (outbound shipment and inbound shipment). |
| Warranty Claim | Denotes a warranty claim. |
| Waybill |  |
| Work Order |  |

|  |  |
| --- | --- |
| **GlobalLotQuantityClassificationCode** | **Lines: 161** |
| **Entity Instances** | |
| Acceptable | The lot quantity meets the minimum requirements. |
| Bin Test | Bin Test Quantity |
| Bonus | A positive variance in the lot quantity. |
| Change Quantity | The change quantity event and quantity is intended to be used when the quantity of a lot changes for a reason other then those we have defined events for (scrap, reject, and bonus). |
| Current | Current Quantity |
| Gross | The initial quantity of the lot. |
| Lot probe |  |
| Merge | Merge Quantity |
| Net | The final quantity of the lot. |
| Previous lot | The quantity of the preceding lot. |
| Projected final | The estimated final quantity of the lot. |
| Receipt | Receipt Quantity |
| Reject | Reject/Loss Quantity |
| Schedule | A lot is still physically in the Die Bank (before being started) but has been allocated to start and as a result, is not available for being considered for planning purposes as it is already committed to. |
| Scrap | The quantity of products which is disposed of. |
| Ship | Actual Ship Quantity |
| Split | Split Quantity |
| Start | Start Quantity |

|  |  |
| --- | --- |
| **GlobalProductUnitOfMeasureCode** | **Lines: 162 171** |
| **Entity Instances** | |
| 10 Kilogram Drum |  |
| 10,000 Gallon Tankcar |  |
| 100 Board Feet |  |
| 100 Pound Drum |  |
| 1000-pack |  |
| 100-Pack |  |
| 10-pack |  |
| 115 Kilogram Drum |  |
| 15 Kilogram Drum |  |
| 20 Foot Container |  |
| 20,000 Gallon Tankcar |  |
| 20-Pack |  |
| 25 Kilogram Bulk Bag |  |
| 300 Kilogram Bulk Bag |  |
| 40 Foot Container |  |
| 50 Pound Bag |  |
| 500 Kilogram Bulk Bag |  |
| 50-pack |  |
| 55 Gallon Drum |  |
| Acre |  |
| Actual Pounds |  |
| Aluminum Pounds Only |  |
| Ampere |  |
| Angstrom |  |
| Bag |  |
| Bale |  |
| Ball |  |
| Band |  |
| Bar |  |
| Barrel |  |
| Barrel, Imperial |  |
| Barrels Per Day |  |
| Barrels Per Minute |  |
| Base Box |  |
| Base Weight |  |
| Basket |  |
| Batch |  |
| Batt |  |
| Batting Pound |  |
| Beam |  |
| Becquerel/kilogram |  |
| Belt |  |
| Billet |  |
| Bin |  |
| Bit |  |
| Block |  |
| Board |  |
| Board Feet |  |
| Bolt |  |
| Bottle |  |
| Box |  |
| British Thermal Unit (BTU) |  |
| British Thermal Units (BTUs) Per Cubic Foot |  |
| British Thermal Units (BTUs) Per Pound |  |
| Bucket |  |
| Bulk |  |
| Bulk Car Load |  |
| Bulk Pack |  |
| Bundle |  |
| Bunks |  |
| Bushel |  |
| Bushel, Dry Imperial |  |
| Bytes |  |
| Calorie |  |
| Can |  |
| Candela |  |
| Canister |  |
| Car |  |
| Carat |  |
| Carboy |  |
| Card |  |
| Carload |  |
| Carton |  |
| Cartridge |  |
| Case |  |
| Cask |  |
| Cassette |  |
| Catchweight |  |
| Cell |  |
| Centigram |  |
| Centiliter |  |
| Centimeter |  |
| Centipoise (CPS) |  |
| Chains (Land Survey) |  |
| Chest |  |
| Coil |  |
| Coil Group |  |
| Composite Product Pounds (Total Weight) |  |
| Cone |  |
| Connector |  |
| Container |  |
| Coulomb |  |
| Cover |  |
| Crate |  |
| Cubic centimeter |  |
| Cubic centimeter/second |  |
| Cubic Foot |  |
| Cubic inch |  |
| Cubic yard |  |
| Cubicmeter |  |
| Cup |  |
| Cycles |  |
| Cylinder |  |
| Day |  |
| Deal |  |
| Decagram |  |
| Decibels |  |
| Decigram |  |
| Deciliter |  |
| Decimeter |  |
| Degree Celsius |  |
| Degree Fahrenheit |  |
| Dep. Factor |  |
| Die |  |
| Disk (Disc) |  |
| Dispenser |  |
| Display |  |
| Dozen |  |
| Dram |  |
| Drum |  |
| Dry Pounds |  |
| Each |  |
| Electrical Capacitance |  |
| Farad |  |
| Fluid Ounce |  |
| Fluid Ounce (Imperial) |  |
| Fluid Ounce US |  |
| Foot |  |
| Fuel Usage (Gallons) |  |
| Gage Systems |  |
| Gallon |  |
| Gigajoules |  |
| Gill (Imperial) |  |
| Grain |  |
| Gram |  |
| Gram/Cubic Centimeter |  |
| Gram/square meter |  |
| Grams Per 100 Centimeters |  |
| Grams Per 100 Grams |  |
| Grams Per Cubic Centimeter |  |
| Grams Per Kilogram |  |
| Grams Per Liter |  |
| Grams Per Milliliter |  |
| Grams Per Square Centimeter |  |
| Grams Per Square Meter |  |
| Great Gross (Dozen Gross) |  |
| Gross |  |
| Gross Barrels |  |
| Gross Gallons |  |
| Gross Kilogram |  |
| Gross Ton |  |
| Gross Yard |  |
| Group |  |
| Half Gallon |  |
| Half Hour |  |
| Half Liter |  |
| Hank |  |
| Heat lots |  |
| Hectare |  |
| Hectoliter |  |
| Hectopascal |  |
| Hertz |  |
| Hour |  |
| Hours |  |
| Hundred Boxes |  |
| Hundred Count |  |
| Hundred Sheets |  |
| Hundredth of a Carat |  |
| Imperial Gallons |  |
| Inch |  |
| Jar |  |
| Joint |  |
| Joule |  |
| Keg |  |
| Kelvin |  |
| Kiloampere |  |
| Kilobecquerel/Kilogram |  |
| Kilobyte |  |
| Kilogram |  |
| Kilogram per cubic meter |  |
| Kilogram/Kilogram |  |
| Kilogram/square meter |  |
| Kilogramm pro Sekunde |  |
| Kilohertz |  |
| Kilojoule |  |
| Kilometer |  |
| Kilometer/hour |  |
| Kiloohm |  |
| Kilovolt |  |
| Kilowatt |  |
| Kilowatt-hour |  |
| Kit |  |
| Kubikdezimeter |  |
| Kubikmeter pro Sekunde |  |
| Lifts |  |
| Link |  |
| Liquid Pounds |  |
| Liter |  |
| Load |  |
| Lot |  |
| Lug |  |
| Mat |  |
| Megabyte |  |
| Megagram |  |
| Megagrams Per Hour |  |
| Megahertz |  |
| Megapascal |  |
| Megawatt |  |
| Meter |  |
| Meter pro Quadratsekunde |  |
| Meters per second |  |
| Microgram |  |
| Micrograms Per Cubic Meter |  |
| Micrometer |  |
| Microsecond |  |
| Mikrogram/cubic meter |  |
| Mile |  |
| Miles |  |
| Milliampere |  |
| Milliamperes |  |
| Millibar |  |
| Milligram |  |
| Milligram/cubic meter |  |
| Milligram/kilogram |  |
| Milligram/Liter |  |
| Milligrams Per Cubic Meter |  |
| Milligrams Per Square Meter |  |
| Millijoule |  |
| Milliliter |  |
| Millimeter |  |
| Millimeter H20 |  |
| Millimol |  |
| Millimol/kilogram |  |
| Million BTU's |  |
| Millipascal seconds |  |
| Millisecond |  |
| Millitesla |  |
| Millivolt |  |
| Millivolts |  |
| Milliwatt |  |
| Minute |  |
| Miter |  |
| Mol |  |
| Mol/kilogram |  |
| Month |  |
| Multichip | When 2 or more dies (chips) are merged into one package. |
| Nanometer |  |
| Nanosecond |  |
| Net Barrels |  |
| Net Gallons |  |
| Net Imperial Gallons |  |
| Net Liters |  |
| Newton |  |
| Ohm |  |
| One |  |
| One Thousand Pieces |  |
| Ounce |  |
| Pack (PAK) |  |
| Package |  |
| Packet |  |
| Pad |  |
| Pail |  |
| Pair |  |
| Pallet |  |
| Pallet (Lift) |  |
| Pallet/Unit Load |  |
| Pallete |  |
| Panel |  |
| Parcel |  |
| Parts per billion (US) |  |
| Parts per million |  |
| Pascal |  |
| Pascal second |  |
| Pennyweight |  |
| Per Hundred Pieces |  |
| Percent |  |
| Percent Per 1000 Hours |  |
| Percent Weight |  |
| Percentage |  |
| Picofarad |  |
| Piece |  |
| Pint - US liquid |  |
| Pint U.S. Dry |  |
| Plate |  |
| Pound |  |
| Pounds Per 1000 Square Feet |  |
| Pounds Per Foot |  |
| Pounds Per Gallon |  |
| Pounds Per Piece of Product |  |
| Pounds Per Pound of Product |  |
| Pounds Per Thousand |  |
| Quart - US liquid |  |
| Rack |  |
| Ream of 500 Sheets |  |
| Reel |  |
| Ring |  |
| Rod |  |
| Roll |  |
| Sack |  |
| Second |  |
| SET | Mask Set (SET) |
| Sheet |  |
| Sheet-Metric measure |  |
| Shipment |  |
| Shot |  |
| Skein |  |
| Skid |  |
| Sleeve |  |
| Slip Sheet |  |
| Spool |  |
| Square |  |
| Square foot |  |
| Square inch |  |
| Square kilometer |  |
| Square meter |  |
| Square meter/second |  |
| Square mile |  |
| Square millimeter |  |
| Square Yard |  |
| Statute Mile |  |
| Stick |  |
| Strip |  |
| Super Bulk Bag |  |
| Tablet |  |
| Tank |  |
| Tank Truck |  |
| Tesla |  |
| Thousand |  |
| Ton |  |
| Tonne |  |
| Torr |  |
| Tote |  |
| Track Foot |  |
| Trailer |  |
| Train |  |
| Tray |  |
| Troy |  |
| Troy OZ |  |
| Truckload |  |
| Tube |  |
| Unit | Measurement in terms of a unit for a product. |
| Unitless Unit of Measure |  |
| US gallon |  |
| US pound |  |
| US ton |  |
| Vial |  |
| Volt |  |
| Volts (Alternating Current) |  |
| Volts (Direct Current) |  |
| Volts Per Meter |  |
| Wafer |  |
| Watt |  |
| Week |  |
| WF | Wafer (WF) |
| Wrap |  |
| Yard |  |
| Year |  |

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| **NationalExportControlClassificationCode** | **Lines: 170** |
| **Entity Instances** | |
| Already customs cleared in the importing country | Arrangements for inspection are not necessary because they were cleared before. |
| Clearance | The cargo will be or has been cleared. |
| Detention | The cargo has been or will be detained. |
| Documents required | Pertinent documents are required. |
| Documents requirements completed | All requirements for documents have been completed. |
| Fumigation | The cargo has been or will be fumigated. |
| Inspection | The cargo has been or will be inspected. |
| Inspection arrangements completed | Arrangements for inspection of the cargo have been completed. |
| Inspection arrangements required | Arrangements for inspection of the cargo are required. |
| No customs procedure | Customs clearance not required. |
| Safety arrangements completed | Arrangements for safeguarding the cargo have been completed. |
| Safety arrangements required | Arrangements for safeguarding the cargo are required. |
| Security | The cargo has been or will be secured. |
| Security arrangements required | Arrangements for the security of the cargo are required. |
| Storage arrangements completed | Arrangements for storing the cargo have been completed. |
| Storage arrangements required | Arrangements for storing the cargo are required. |
| Transport arrangements completed | All arrangements for transport have been completed. |
| Transport arrangements required | Transport has to be arranged. |

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| **HazardousMaterialDescription** | **Lines: 172** |
| **Constraint:** If 'isContainsHazardousMaterial' is equal to 'Yes", then "HazardousMaterials" is mandatory. |  |

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| **ProductIdentification** | **Lines: 182** |
| **Constraint:** One instance of either "GlobalProductIdentifier" or "PartnerProductIdentification" is mandatory. |  |

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| **GlobalTrackingReferenceTypeCode** | **Lines: 194 197** |
| **Entity Instances** | |
| Bill of Lading Number | Shipment identification number on bill of lading issued by shipper, forwarder or carrier. |
| Booking Number | Shipment identification number assigned by shipper when booking freight shipment with carrier. |
| Carrier Reference Number | Carrier assigned shipment identification number on bill of lading. |
| Commercial Invoice | An invoice for customs purposes to allow the determination of the proper import/export duty/taxes. |
| House Airwaybill Number | Forwarder assigned shipment identification number on bill of lading issued by forwarder. |
| Master Airwaybill Number | Carrier assigned shipment identification number on bill of lading issued by carrier. |
| Ocean Bill of Lading Number | Carrier assigned shipment identification number on bill of lading issued by carrier. |
| Packing Slip Number | Shipment identification number on shipment contents packing list attached to shipment. |
| Pro Number | Carrier assigned shipment identification number on bill of lading. |
| Sales Order Number | Seller sales order number. |
| Seal Identifier | Trailer or container seal number assigned by party closing doors on trailer or container. |
| Shipper Reference Number | Shipper assigned shipment identification number on bill of lading issued by shipper or forwarder. |
| Trailer Number | Owner assigned equipment identification number on trailer. |

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| **GlobalPartnerRoleClassificationCode** | **Lines: 234 249** |
| **Constraint:** Only GlobalPartnerRoleClassificationCode equal to "Receiver" is allowed. | 249 |
| **Constraint:** Only GlobalPartnerRoleClassificationCode equal to "Shipper" is allowed. | 234 |
| **Entity Instances** | |
| Account Supplier | Any trading partner that buys or sells products/services from customers and/or vendors. |
| Account User | Any trading partner that requires an account to buy or sell products/services. |
| Anonymous Buyer | A requestor of information that chooses to remain anonymous. |
| Appointment Provider | The stakeholder(s) in the shipment delivery activity. |
| Authorized Service Provider | The Service Provider authorized by an OEM to perform service on a unit. |
| Authorizer | The partner role that provides product authorization, from a product owner or manufacturer, for a reselling organization to resell a product. |
| Buyer | An employee or organization that buys products for a partner type in the supply chain. |
| Catalog Distributor | The partner role that distributes catalog information to catalog producers and buyers. |
| Catalog Producer | The partner role that produces catalog information for a partner type in the supply chain. |
| Change Requester | A party who has an interest in requesting a review of a possible change to the component. The requester may be any party including customers and suppliers. |
| Change Review Forum | A party who has responsibility for the review of Engineering Change Requests and the drafting and review of Engineering Change Orders. The Change Review Forum is assumed to be at the company that has responsibility for the engineering aspects of the component affected by the change. |
| Claim Requester | The owner of the shipments who is responsible for the intact delivery. |
| Consignee | The receiver of the shipment. |
| Consumption Notification Provider | Trading Partner role responsible for sending the notification of material consumption by a production location |
| Consumption Notification User | Trading Partner role responsible for receiving and processing the notification of material consumption thereby invoicing the customer for consumed material |
| Credit Provider | This partner role is responsible for providing credit information about potential customers. |
| Credit Reference Requester | This partner role is responsible for requesting credit information about potential customers. |
| Customer | This partner role creates a demand for a product or service. |
| Customer Manager | This partner role manages the relationship with the business customers. |
| Decision Stakeholder | The party (such as suppliers, customers and others) who is responsible for the review and approval of the Engineering Change Approval Request. The stakeholders may be from multiple organizations. |
| Delivery Appointment Provider | A party that receives a request for a change to a previously scheduled delivery appointment. |
| Delivery Appointment Requester | A party that requests a change to a previously scheduled delivery appointment. |
| Demand Creator | The partner role that identifies the opportunity, submits design registration, provides engineering support to advance the opportunity towards design win, and generates revenue by satisfying customer demand for a product. |
| Design Engineering Information Receiver | This partner role uses technical information for updating enterprise databases (such as electronic catalog systems), design or test engineering, and manufacturing. |
| Design Engineering Information Sender | This partner role distributes the design engineering information of the agreed types in the agreed amounts at the agreed times. |
| Exception Identifier | The party/organization that monitors and identifies exceptions based on predefined exception criteria and sends notifications of the identified exceptions. In a collaborative forecasting process, the Exception Definer may be the Forecast Owner, Forecast Recipient, Forecast Reply Recipient and/or an external party. |
| Exception Recipient | The party/organization requiring visibility to an exception and receiving notifications on the identified exceptions. In a collaborative forecasting process, the Exception Recipient may be the Forecast Owner, Forecast Recipient and/or Forecast Reply Recipient. The Exception Identifier may send a notification for a specific exception to multiple Exception Recipients. |
| Failure Report Administrator | An employee or organizational entity that receives and processes PIP Failure Notifications. |
| Financing Processor | The organization that processes the request for financing. |
| Forecast Owner | The party/organization that monitors and identifies exceptions based on predefined exception criteria and sends notifications of the identified exceptions. In a collaborative forecasting process, the Exception Identifier may be the Forecast Owner, Forecast Recipient, Forecast Reply Recipient and/or an external party. |
| Forecast Recipient | The party that receives a strategic or order forecast. |
| Forecast Reply Recipient | The party that receives a forecast reply. The Recipient can be the original forecast owner or other forecast partner (Please refer to the GlobalPartnerClassificationCode). |
| Implementation Plan Creator | The partner role that creates, maintains and manages an implementation plan associated with an Engineering Change Order. |
| Initiator | The party that starts the data exchange. |
| Integrator | The organization responsible for the production of the product. Change requests are communicated back to the Qualification Owner. |
| In-transit Information User | The party who receives shipment status information. |
| Inventory Information Provider | An organization that owns or holds inventory and provides information about this inventory to partners in the supply chain. This may be a distributor, contract manufacturer, supplier or OEM reporting inventory that they hold and/or own. |
| Inventory Information User | An employee or organizatrion that uses information about inventory. |
| Invoice Provider | The organization that generates the invoice. |
| Invoice Receiver | The organization being invoiced. |
| Invoice Reject Provider | The organization that rejects an invoice. |
| Invoice Reject Receiver | The organization being issued an Invoice Reject Notification. |
| Marketing Activity Information User | The party who uses information about Marketing Activities. This party might include distributors, and retail operations. |
| Marketing Activity Initiator | The partner role that distributes information about marketing activities being sponsored by the organization. |
| Material Release Information Provider | Trading Partner role responsible for triggering release of materials to a delivery location |
| Material Release Information User | Trading Partner role responsible for receiving trigger to release material to a delivery location and shipping material to delivery location |
| Payee | The party receiving a payment. |
| Payer | The party issuing a payment. |
| PIP Failure Notifier | An organizational process that automatically notifies the appropriate Failure Report Administrator of a PIP process failure. |
| Product Distributor | The party authorized by a Product Supplier to purchase goods and services from the Product Supplier and resell to customers. |
| Product Information Distributor | The partner role that distributes new product information to product information users and buyers. |
| Product Information Subscriber | The business partner that subscribes to product information from other business partners. |
| Product Information User | The partner role that uses product information to create or update enterprise systems and online promotion systems such as electronic catalog systems. |
| Product Provider | The partner role that creates a differentiated product, owns the registration process and creates a list of eligible products for use in design registration. |
| Product Supplier | This partner role supplies product to customers in the supply chain. |
| Qualification Owner | The organization responsible for the qualification of manufacturers and suppliers of parts for the product. The Qualification Owner defines and maintains the AML for the product. |
| Quality Data Provider | The party responsible for sending the Repair Quality Data. The Provider, through various means, learns of product or product component defect(s). |
| Quality Data User | The party who receives the repair and/or test data. The User analyzes the data and incorporates findings into its business model. |
| Receiver | The intended recipient of products or business information. The Receiver may verify receipt if prescribed. |
| Responder | The party that replies to the initiators message. |
| Return Provider | The party responsible for authorizing and/or processing the return. |
| Return Receiver | A third-party or warehousing operation responsible for receiving returns, inspecting the package contents and comparing to the issued RMA to assure the contents are what was authorized on the RMA. |
| Return Requester | Any party wishing to return a product. This role could be played by a large end-user such as the Government Services Administration (GSA), a distributor, or a reseller. |
| Sales Facilitator | This partner role facilitates the sale of product between partners in the supply chain. |
| Sales Lead Originator | The party assigning a sales lead to another party. |
| Sales Lead Processor | The party who receives the sales lead. This party is responsible for accepting or rejecting the lead, and if accepted, reports the status of the lead. |
| Sales Marketing Claim Processor | The partner role that processes the claim and/or remits compensation to the Sales Marketing Claimant. |
| Sales Marketing Claimant | The partner role that requests reimbursement from a Sales Marketing Claim Processor. |
| Sales Marketing Program Reimbursement Recipient | The partner role that receives status on a previously submitted sales marketing claim, or who receives reimbursement without submitting a claim. |
| Sales Marketing Program Reimburser | The partner role that is currently processing a sales marketing claim, (or providing a payment without a claim submitted) and who provides information on the status of the claim processing. |
| Self-Billing Invoice Provider | The party that generates the self-billing invoice plus being invoiced. It can re-issue the self-billing invoice. |
| Self-Billing Invoice Receiver | The organization that provides the services or goods. The organization that receives the payment. |
| Seller | An organization that sells products to partners in the supply chain. |
| Service Provider | A provider that performs a service such as repair, diagnose, maintain, install or remove on a unit. |
| Shipment Information User | The party who receives shipment status information. |
| Shipment Requester | The party requesting transportation services. |
| ShipmentController | The party who is authorized to make decisions regarding a shipment while in-transit. |
| Shipper | The party who relinquishes (assigns) a shipment to a transport service provider. |
| Shipping Provider | The organization responsible for performing the shipping logistics for the Shipper. The Shipping Provider ships products from one location to another as requested by the shipping order and informs the Shipper when the shipment has been sent. |
| Solution Provider | The party that may architect, configure, engineer, sell, or determine the fulfillment of the configured solution to partners in the supply chain. |
| Solution Requester | This party that creates a demand for a product or service, or has contracted with a Solution Provider for the manufacture or fulfillment of a product(s). |
| Specification Provider | The partner role that creates or passes on manufacturing specifications. This may be a Solution Provider, an OEM who is sub-contracting manufacturing tasks like fabrication or assembly, or another party. |
| Specification User | The partner role that uses a manufacturing specification. This might be a sub-contract assembler or fabricator. |
| Stakeholder | The party that is required to implement an Engineering Change Order. The Stakeholder may include all levels of suppliers, customers or other parties. The Stakeholder may represent multiple organizations. The Stakeholder may draft and/or be responsible for completing tasks in an implementation plan. |
| Status Requester | The functional partner role, that could be a Product Provider, that creates a differentiated product, owns the registration process and creates a list of eligible products, or who is responsible for identifying the opportunity (that is, it could be a Demand Creator). |
| Status Responder | The organizational partner role, that could be a Product Provider, that creates a differentiated product, owns the registration process and creates a list of eligible products, or who is responsible for identifying the opportunity (that is, it could be a Demand Creator). |
| Supplier | This partner role supplies product to customers in the supply chain. |
| Tender Information User | The stakeholder(s) in the tendering activity. |
| Transport Service Provider | The party that provides transportation services for a Shipment Requester. |
| Warranty Provider | The provider who honors the warranty terms and reimburses the Authorized Service Provider for a service event performed under the terms of the warranty. |

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| **GlobalSupplyChainCode** | **Lines: 238 253** |
| **Entity Instances** | |
| Electronic Components | The electronic components supply chain. |
| Information Technology | The information technology supply chain. |
| Semiconductor Manufacturing | The semiconductor manufacturing supply chain. |
| Telecommunication Industry | The telecommunication industry supply chain. |

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| **GlobalDocumentFunctionCode** | **Lines: 240** |
| **Constraint:** Only GlobalDocumentFunctionCode Equal to "Request" is allowed. |  |
| **Entity Instances** | |
| Request | The business document is a request for a business action to be performed by a partner. |
| Response | The business document is a response to a requesting partner. |

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| **Business Properties ( 41 )** | | |
| **Name** | **Definition** |  |
| addressLine1 | The first line of a physical address. |  |
| addressLine2 | The second line of a physical address. |  |
| addressLine3 | The third line of a physical address. |  |
| businessName | The name of a business entity. |  |
| cityName | The name of a city. |  |
| contactName | Name of the contact person(s) within the organization. |  |
| countryOfOrigin | Country where product originates. |  |
| expiryDate | The date that a contractual agreement expires. |  |
| facsimileNumber | The numerical schema designed to achieve contact via facsimile. |  |
| freightPaymentAccount | The account number with the shipping carrier of the party paying the carrier fees for the shipment. |  |
| fromRole | The role initiating a business document exchange. |  |
| isContainsHazardousMaterial | Indicates whether the product contains hazardous material. |  |
| manufactureDate | The date the product was manufactured. |  |
| manufacturingDateCode | The unique identifier assigned to a product by a manufacturer to distinguish individual manufacturing periods. |  |
| numberOfItemPackages | A numeric expression of the number of item packages within a container. |  |
| numberOfShippingContainers | A numeric expression of the number of outer containers for product shipping. |  |
| parentProductSerialIdentifier | The unique parent product serial identifier of a product. |  |
| postOfficeBoxIdentifier | The proprietary identity of a physical address, located at a post office, designed solely to accept and receive mail. |  |
| primaryLotIdentifier | The collection of business properties that identify a main lot identifier. |  |
| productSerialIdentifier | Serial number(s) of a product. |  |
| purchasedBy | The party who is a purchaser of a product. |  |
| regionName | The name of a state or province within a country. |  |
| requestedQuantity | The quantity of product requested. |  |
| revisionIdentifier | Free form text that identifies a revision to a proprietary serial number. |  |
| secondaryLotIdentifier | The collection of business properties that identify an additional lot identifier. |  |
| shipFrom | The DUNS or DUNS + 4 number of the location from where the product is to be shipped. |  |
| shipmentChangeReason | Team must provide valid definition. Should be changed from Free Form Text to a code list. |  |
| shipmentIdentifier | Reference identifier assigned by the partner originating a shipment to uniquely identify the shipment. |  |
| shippedLotQuantity | A quantity of product shipped of a specific manufacturing lot within a shipping container. |  |
| shippedQuantity | Quantity of product shipped. |  |
| shippingContainerIdentifier | Unique identifier that represents a shipping container. Normally a UCC structured identifier. Also known as a "license plate". |  |
| shippingContainerItemIdentifier | The idenitifer used to denote the lowest unit in a shipment, i.e., a package within a box. |  |
| shipTo | The partner and/or location to which the product must be delivered. |  |
| soldBy | The seller involved in a business transaction. |  |
| subLineNumber | Number of the subline in the document, associated with a given line number. |  |
| telephoneNumber | The numerical schema designed to achieve contact via telephone. |  |
| thisDocumentGenerationDateTime | The date-time stamp indicating when this business document was generated. |  |
| thisDocumentIdentifier | The information that identifies the business document being sent. This identifier is used to represent the specific business document associated with the defined business process. |  |
| toRole | The role receiving the document in a business document exchange. |  |
| traceIdentifier | Free form text for a non-serial lot identifier. |  |
| transportedBy | The party responsible for either carrying or forwarding the product. |  |

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| **Business Data Entities ( 32 )** | | |
| **Name** | **Definition** |  |
| AdvancedShipmentNotification | The Advance Shipment Notification contains detailed information on when product shipped and expected date of arrival, how product shipped, and detail on what the shipment contains. |  |
| BusinessDescription | The collection of business properties that describe a business identity and location. |  |
| BuyingPartner | The collection of business properties used to identify the business partner initiating the purchase of goods or transportation. |  |
| ContactInformation | The collection of business properties that provide communication and address information for contacting a person, organization or business. |  |
| DocumentSubLineLotShipReference | Reference to document(s) this shipment is being sent against (i.e. Purchase Order) |  |
| ExportLicense | The collection of business properties that describe an export license number. |  |
| HazardousMaterialDescription | The collection of business properties that describe the nature of dangerous goods tendered for transportation. |  |
| LinearPhysicalDimension | The physical dimension of an object having only one dimension. |  |
| LotIdentification | The collection of business properties that identify a lot. |  |
| LotQuantity | The collection of business properties that describe the quantity of items in a lot. |  |
| LotShipReference | Reference to specific lot information (i.e. quanity, lot identifiers) contained in this shipment. |  |
| ManufacturerProfile | The collection of business properties that describe a manufacturer's product. |  |
| MassPhysicalDimension | The physical dimension of unit of mass used for measuring the masses of weights, volumes etc. |  |
| OriginatingPartner | The collection of business properties used to identify the business partner initiating a shipment or transaction. |  |
| PartnerBusinessIdentification | The collection of business properties that allow for the proprietary identification of a business entity. |  |
| PartnerDescription | The collection of business properties that describe a business partners' identity, their contact information, where they are physically located and their function in a supply chain. |  |
| PartnerLocationIdentification | The collection of business properties that allow for the proprietary identification of a business location. |  |
| PartnerProductIdentification | The collection of business properties that describe proprietary part information. |  |
| PartnerRoleDescription | The collection of business properties that describe a business partners' role in a partner interface process. |  |
| PhysicalAddress | The actual physical location of an entity as prescribed by local postal authorities, including country identification as it relates to the party or a product. |  |
| PhysicalLocation | The collection of business properties that identify and describe the actual physical location of an entity as prescribed by local postal authorities, including country identification. |  |
| ProductIdentification | The collection of business properties that describe proprietary and global identifier information regarding a product. |  |
| ReceivingPartner | The collection of business properties used to identify the business partner accepting delivery of a shipment or transaction. |  |
| SellingPartner | The collection of business properties used to identify the business partner involved in the sale of goods or transportation. |  |
| Shipment | The collection of business properties that describe a consignment tendered for transportation from one point to another. |  |
| ShipmentTransportationEvent | The collection of business properties that describe the occurrence of the public conveyance of a shipment of goods. |  |
| ShippingContainer | The collection of business properties that describe the nature and contents of a shipping unit. |  |
| ShippingContainerItem | The collection of business properties that describe the nature and contents of the good contained within shipping unit. |  |
| SubContainer | The collection of business properties that describe the nature and contents of inner containers (packages) contained within an outer shipping unit. |  |
| TrackingReference | The collection of business properties that describe information about tracing shipments during the transportation process. |  |
| Volume | The amount of space occupied by a three-dimensional object or region of space, expressed in cubic units. |  |
| Weight | A measure of the heaviness of an object. |  |

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| **Fundamental Business Data Entities ( 45 )** | | | | | |
| **Name** | **Definition** | **Type** | **Min** | **Max** | **Representation** |
| AccountNumber | Identification number of an account. | String | 1 | 35 | X(35) |
| AffirmationIndicator | Used to indicate "Yes", "No" statements. | String | 2 | 3 | X(3) |
| CommunicationsNumber | The electro-technical communication number, e.g., telephone number, facsimile number, pager number. | String | 1 | 30 | X(30) |
| CountableAmount | Dimensionless magnitude, e.g. number of products. | PositiveInteger | 1 | 15 | 9(15) |
| DateStamp | Specifies a specific date. Date stamp based on the ISO 8601 specification. The "Z" following the day identifier (DD) is used to indicate Coordinated Universal Time. Informal format: YYYYMMDDZ | Date | 9 | 9 | 9(8)X |
| DateTimeStamp | Specifies an instance in time. Based on the ISO 8601 specification where "YYYY" represents the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss.sss" represent hour, minute and second respectively. This representation is immediately followed by a "Z" to indicate Coordinated Universal Time. Informal format: YYYYMMDDThhmmss | DateTime | 13 | 20 | 9(8)X9(6)V9(3)X |
| EmailAddress | Electronic mail address. | String | 1 |  |  |
| FreeFormText | Unformatted text. | String | 1 |  |  |
| GlobalBusinessIdentifier | A unique business identifier. The DUNS number is specified by RosettaNet. | Integer | 9 | 9 | 9(9) |
| GlobalCarrierCode | A unique carrier identification code, based on Standard Carrier Alpha Code(s) (SCAC). | String | 1 |  |  |
| GlobalCountryCode | Code identifying the two character country code specified in ISO 3166-1:2006. | String | 2 | 2 | X(2) |
| GlobalDocumentFunctionCode | Code identifying the function of a document as either a request or a response. | String | 1 |  |  |
| GlobalDocumentReferenceTypeCode | Code identifying the type of business document used for referencing within another business document. | String | 1 |  |  |
| GlobalIncotermsCode | Code identifying incoterms. | String | 1 |  |  |
| GlobalLocationIdentifier | Location uniquely identified by the DUNS +4 number. | String | 10 | 13 | 9(9)X(4) |
| GlobalLotQuantityClassificationCode | Code identifying the classification of a manufacturing lot quantity. | String | 1 |  |  |
| GlobalPackageTypeCode | Code specifying the type of packaging for a product. | String | 1 |  |  |
| GlobalPartnerClassificationCode | Code identifying a partner's function in the supply chain. | String | 1 |  |  |
| GlobalPartnerRoleClassificationCode | Code identifying a party's role in the supply chain. | String | 1 |  |  |
| GlobalPhysicalUnitOfMeasureCode | Code identifying the unit of measure for a physical quantity. | String | 1 |  |  |
| GlobalProductIdentifier | Global unique product identifier. RosettaNet has adopted the Global Trade Identification Number (GTIN). | String | 14 | 14 | 9(14) |
| GlobalProductUnitOfMeasureCode | Code identifying a product unit of measure. | String | 1 |  |  |
| GlobalShipDateCode | Code identifying a type of ship date | String | 1 |  |  |
| GlobalShipmentChangeDispositionCode | Code identifying the additional reasons for a change to a product shipment. | String | 1 |  |  |
| GlobalShipmentModeCode | The method of transport used for the conveyance of goods. | String | 1 |  |  |
| GlobalShippingServiceLevelCode | Code identifying the shipping service level, e.g., overnight, same day. | String | 1 |  |  |
| GlobalSupplyChainCode | Code identifying the supply chain for the partner's function. | String | 1 |  |  |
| GlobalTrackingReferenceTypeCode | Code identifying the type of document reference being used to track a shipment. | String | 1 |  |  |
| LineNumber | Number of the line in the document. | String | 1 |  |  |
| Mass | The unit of mass used for measuring the masses. | Real | 1 | 21 | 9(13)V9(7) |
| NationalExportControlClassificationCode | Code identifying product classification for export regulation. | String | 1 |  |  |
| NationalHarmonizedTariffScheduleCode | Code identifying product classification or procedure classification for international shipping. | String | 1 |  |  |
| NationalHazardousMaterialUnitedNationsClassificationCode | Code classifying hazardous material products. | String | 1 |  |  |
| NationalPostalCode | Code identifying geographic location as specified by a national postal code. | String | 1 |  |  |
| ProductQuantity | A quantity specifying the number of product units. | Real | 1 |  |  |
| ProprietaryBusinessIdentifier | A unique business identifier assigned and administered by a private authority. | String | 1 |  |  |
| ProprietaryDocumentIdentifier | Unique identifier, i.e. a numeric value or alphanumeric value, for a business document. | String | 1 |  |  |
| ProprietaryDomainIdentifier | A descriptor that is used to categorize an organization or business entity that is in the Proprietary Business Identifier. | String | 1 |  |  |
| ProprietaryIdentifierAuthority | A unique name that identifies an organization or business entity that is responsible for managing one or more lists of identifiers. | String | 1 |  |  |
| ProprietaryLocationIdentifier | A unique location identifier assigned and administered by a private authority. | String | 1 |  |  |
| ProprietaryLotIdentifier | A unique identifier representing the manufacturing lot of a Global Product Identifier. | String | 1 |  |  |
| ProprietaryProductIdentifier | An internal identifier used to identify a product. | String | 1 |  |  |
| ProprietaryReferenceIdentifier | A unique reference identifier for goods, services or business documents. | String | 1 | 255 | X(255) |
| ProprietarySerialIdentifier | Unique serial identifier assigned to the product. | String | 1 |  |  |
| ProprietaryShipmentTrackingIdentifier | Proprietary unique identifier for tracking product shipments. | String | 1 |  |  |

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| **Quantitative Fundamental Business Data Entities ( 3 )** | | | | | |
| **Name** | **Definition** | **Type** | **Min** | **Max** | **Representation** |
| HeightDimension | Vertical dimension of an object when object in the upright position. | Real | 1 | 15 | 9(13)V99 |
| LengthDimension | Largest horizontal dimension of an object measured when the object in the upright position. | Real | 1 | 15 | 9(13)V99 |
| WidthDimension | Shorter measurement of the two horizontal dimensions measured with object in the upright position. | Real | 1 | 15 | 9(13)V99 |