

# INVENTORY REPORT NOTIFICATION GUIDELINE FOR PIP 4C1 (INBOUND)

## Cluster 4: Inventory Management Segment C: Inventory Reporting

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PIP 4C1: Distribute Inventory Report  
Business Message: InventoryReportNotification

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**Author: TEXAS INSTRUMENTS**  
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## Business Message

### InventoryReportNotification

Property	Value
Definition	Contains inventory status and quantity data for a given reporting period. The inventory status of a product is reported in various categories, e.g., quantity at a location, quantity owned, quantity in transit between locations and details of the raw materials.

### Message Tree

Seq	Cardinality	InventoryReportNotification	Type	Modified
1	1	+-fromRole	BP	x
1	1	'-PartnerRoleDescription	BDE	x
2	1	+-ContactInformation	BDE	x
3	1	+-contactName	BP	x
3	1	'-FreeFormText	FBDE	x
4	1	+-EmailAddress	FBDE	x
5	0..1	+-facsimileNumber	BP	x
5	1	'-CommunicationsNumber	FBDE	x
6	1	'-telephoneNumber	BP	x
6	1	'-CommunicationsNumber	FBDE	x
7	1	+-GlobalPartnerRoleClassificationCode	FBDE	x
8	1	'-PartnerDescription	BDE	x
9	1	+-BusinessDescription	BDE	x
10	1	+-GlobalBusinessIdentifier	FBDE	x
11	1	'-GlobalSupplyChainCode	FBDE	x
12	1	'-GlobalPartnerClassificationCode	FBDE	x
13	1	+-GlobalDocumentFunctionCode	FBDE	x
14	1	+-InventoryReport	BDE	x
15	1	+-inventoryReportDateTime	BP	x
15	1	'-DateTimeStamp	FBDE	x
16	1..n	'-InventoryReportLineItem	BDE	x
17	0..n	+-DocumentReference	BDE	x
22	1	+-GlobalProductUnitOfMeasureCode	FBDE	x
23	0..n	+-IntraCompanyTransfer	BDE	x
84	1	+-inventoryLocation	BP	x
84	1	'-PartnerDescription	BDE	x
85	1	+-BusinessDescription	BDE	x
86	0..1	+-businessName	BP	x
87	0..1	+-GlobalBusinessIdentifier	FBDE	x
88	0..n	'-PartnerBusinessIdentification	BDE	x
92	0..1	+-ContactInformation	BDE	x
97	1	+-GlobalPartnerClassificationCode	FBDE	x
98	1	'-PhysicalLocation	BDE	x
99	0..1	+-GlobalLocationIdentifier	FBDE	x
100	0..n	+-PartnerLocationIdentification	BDE	x
104	0..1	'-PhysicalAddress	BDE	x
113	0..1	+-inventoryOwner	BP	x
113	1	'-BusinessDescription	BDE	x
114	0..1	+-businessName	BP	x
115	0..1	+-GlobalBusinessIdentifier	FBDE	x
116	0..n	'-PartnerBusinessIdentification	BDE	x
120	1..n	+-InventoryProductQuantity	BDE	x
121	1	+-GlobalInventoryCode	FBDE	x
122	0..n	+-InventoryItemIdentification	BDE	x
128	1	'-ProductQuantity	FBDE	x
129	1	'-ProductIdentification	BDE	x
130	0..1	+-GlobalProductIdentifier	FBDE	x
131	0..n	'-PartnerProductIdentification	BDE	x
132	1	+-GlobalPartnerClassificationCode	FBDE	x
133	1	+-ProprietaryProductIdentifier	FBDE	x

134	0..1		'-revisionIdentifier	BP	x
135	1		+--thisDocumentGenerationDateTime	BP	x
135	1		'-DateTimeStamp	FBDE	x
136	1		+--thisDocumentIdentifier	BP	x
136	1		'-ProprietaryDocumentIdentifier	FBDE	x
137	1		'-toRole	BP	x
137	1		'-PartnerRoleDescription	BDE	x
138	0..1		+--ContactInformation	BDE	x
143	1		+--GlobalPartnerRoleClassificationCode	FBDE	x
144	1		'-PartnerDescription	BDE	x
145	1		+--BusinessDescription	BDE	x
146	1		+--GlobalBusinessIdentifier	FBDE	x
147	1		'-GlobalSupplyChainCode	FBDE	x
148	1		'-GlobalPartnerClassificationCode	FBDE	x

## Guideline information

This section presents entity's meanings/uses different from the values defined in the dictionary section of this document.

Note: Properties that have differences are marked as Modified. If the Modified flag points to a sub-table, it means its contents has changed. If there are no other flags in the sub-table then some of the contents have been excluded/deleted.

1: fromRole				BusinessProperty	
Property	Value			Modified	
Definition	The role initiating a business document exchange.				
User Notes	<b>Mandatory BP.</b>			x	
	<b>TP Information</b>				
Children	Cardinality	Entity	Type	Modified	
	1	PartnerRoleDescription	BDE		

1: PartnerRoleDescription				BusinessDataEntity	
Property	Value			Modified	
Definition	The collection of business properties that describe a business partners' role in a partner interface process.				
User Notes	<b>Mandatory BDE</b>			x	
Children	Cardinality	Entity	Type	Modified	
	1	ContactInformation	BDE	x	
	1	GlobalPartnerRoleClassificationCode	FBDE		
	1	PartnerDescription	BDE		

2: ContactInformation				BusinessDataEntity	
Property	Value			Modified	
Definition	"The collection of business properties that provide communication and address information for contacting a person, organization or business."				
User Notes	<b>Mandatory BDE</b>			x	
Children	Cardinality	Entity	Type	Modified	
	1	contactName	BP		
	1	EmailAddress	FBDE	x	
	0..1	facsimileNumber	BP		
	1	telephoneNumber	BP		

3: contactName				BusinessProperty	
Property	Value			Modified	
Definition	Name of the contact person(s) within the organization.				
User Notes	<b>Mandatory BP</b>			x	
Children	Cardinality	Entity	Type	Modified	
	1	FreeFormText	FBDE		

3: FreeFormText				FundamentalBusinessDataEntity	
Property	Value			Modified	
Definition	Unformatted text.				
Data Type	String				
Min Size	1				
Max Size					
Representation					
User Notes	<b>Mandatory FBDE.</b>			x	
	<b>Trading Partner Contact Name</b>				

4: EmailAddress				FundamentalBusinessDataEntity	
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Property	Value	Modified
Definition	Electronic mail address.	
Data Type	String	
Min Size	1	
Max Size		
Representation		
User Notes	<b>Mandatory FBDE.</b> <b>Trading Partner email address</b>	x

**5: facsimileNumber** **BusinessProperty**

Property	Value	Modified								
Definition	The numerical schema designed to achieve contact via facsimile.									
User Notes	<b>Optional BP</b>	x								
Children	<table border="1"> <thead> <tr> <th>Cardinality</th> <th>Entity</th> <th>Type</th> <th>Modified</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CommunicationsNumber</td> <td>FBDE</td> <td></td> </tr> </tbody> </table>	Cardinality	Entity	Type	Modified	1	CommunicationsNumber	FBDE		
Cardinality	Entity	Type	Modified							
1	CommunicationsNumber	FBDE								

**5: CommunicationsNumber** **FundamentalBusinessDataEntity**

Property	Value	Modified
Definition	The electro-technical communication number, e.g., telephone number, facsimile number, pager number.	
Data Type	String	
Min Size	1	
Max Size	30	
Representation	X(30)	
User Notes	<b>Mandatory FBDE</b>	x

**6: telephoneNumber** **BusinessProperty**

Property	Value	Modified								
Definition	The numerical schema designed to achieve contact via telephone.									
User Notes	<b>Mandatory BP</b>	x								
Children	<table border="1"> <thead> <tr> <th>Cardinality</th> <th>Entity</th> <th>Type</th> <th>Modified</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CommunicationsNumber</td> <td>FBDE</td> <td></td> </tr> </tbody> </table>	Cardinality	Entity	Type	Modified	1	CommunicationsNumber	FBDE		
Cardinality	Entity	Type	Modified							
1	CommunicationsNumber	FBDE								

**6: CommunicationsNumber** **FundamentalBusinessDataEntity**

Property	Value	Modified
Definition	The electro-technical communication number, e.g., telephone number, facsimile number, pager number.	
Data Type	String	
Min Size	1	
Max Size	30	
Representation	X(30)	
User Notes	<b>Mandatory FBDE</b> <b>Trading Partner phone no</b>	x

**7: GlobalPartnerRoleClassificationCode** **FundamentalBusinessDataEntity**

Property	Value	Modified						
Definition	Code identifying a party's role in the supply chain.							
Data Type	String							
Min Size	1							
Max Size								
Representation								
User Notes	<b>Mandatory FBDE</b>	x						
Instances	<table border="1"> <thead> <tr> <th>Instances</th> <th>Definition</th> <th>Modified</th> </tr> </thead> <tbody> <tr> <td><b>Inventory Information Provider</b></td> <td>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.</td> <td>x</td> </tr> </tbody> </table>	Instances	Definition	Modified	<b>Inventory Information Provider</b>	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.	x	x
Instances	Definition	Modified						
<b>Inventory Information Provider</b>	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.	x						

8: PartnerDescription				BusinessDataEntity	
Property	Value			Modified	
Definition	The collection of business properties that describe a business partners' identity and their function in a supply chain.				
User Notes	<b>Mandatory BDE</b>			x	
Children	Cardinality	Entity	Type	Modified	x
	1	BusinessDescription	BDE		
	1	GlobalPartnerClassificationCode	FBDE		

9: BusinessDescription				BusinessDataEntity	
Property	Value			Modified	
Definition	The collection of business properties that describe a business identity and location.				
User Notes	<b>Mandatory BDE</b>			x	
Children	Cardinality	Entity	Type	Modified	x
	1	GlobalBusinessIdentifier	FBDE	x	
	1	GlobalSupplyChainCode	FBDE		

10: GlobalBusinessIdentifier				FundamentalBusinessDataEntity	
Property	Value			Modified	
Definition	A unique business identifier. The DUNS number is specified by RosettaNet.				
DataType	Integer				
Min Size	9				
Max Size	9				
Representation	9(9)				
User Notes	<b>Mandatory FBDE.</b> <b>Trading Partner DUNs number</b>			x	

11: GlobalSupplyChainCode				FundamentalBusinessDataEntity	
Property	Value			Modified	
Definition	Code identifying the supply chain for the partner's function.				
DataType	String				
Min Size	1				
Max Size					
Representation					
User Notes	<b>Mandatory FBDE</b>			x	
Instances	Instances	Definition	Modified	x	
	<b>Electronic Components</b> The electronic components supply chain.				

12: GlobalPartnerClassificationCode				FundamentalBusinessDataEntity	
Property	Value			Modified	
Definition	Code identifying a partner's function in the supply chain.				
DataType	String				
Min Size	1				
Max Size					
Representation					
User Notes	<b>Mandatory FBDe</b>			x	
Instances	Instances	Definition	Modified	x	
	<b>End User</b>		Product end user in supply chain.		
	<b>Distributor</b>		Product distributor in supply chain.		
	<b>Contract Manufacturer</b>		The party responsible for the services rendered.		
	<b>Original Equipment Manufacturer</b>		Product manufacturer of original equipment in the supply chain.		
	<b>Warehouser</b>		Product warehouser in supply chain.		
	<b>Distribution Center</b>		Product distributor in supply chain.		

13: GlobalDocumentFunctionCode				FundamentalBusinessDataEntity	
Property	Value			Modified	
Definition	Code identifying the function of a document as either a request or a response.				

DataType	String	
Min Size	1	
Max Size		
Representation		
User Notes	<b>Mandatory FBDE</b>	x
Instances	Instances Definition Modified	x
	<b>Request</b> The business document is a request for a business action to be performed by a partner.	

14: InventoryReport		BusinessDataEntity	
Property	Value		Modified
Definition	The collection of business properties that describe a product in inventory at a specific point in time.		
User Notes	<b>Mandatory BDE</b>		x
Children	Cardinality	Entity	Type Modified
	1	inventoryReportDateTime	BP
	1..n	InventoryReportLineItem	BDE

15: inventoryReportDateTime		BusinessProperty	
Property	Value		Modified
Definition	The date and time stamp for which inventory information is captured for reporting.		
User Notes	<b>Mandatory BP</b>		x
Children	Cardinality	Entity	Type Modified
	1	DateTimeStamp	FBDE x

15: DateTimeStamp		FundamentalBusinessDataEntity	
Property	Value		Modified
Definition	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		
DataType	DateTime		
Min Size	13		
Max Size	20		
Representation	9(8)X9(6)V9(3)X		
User Notes	<b>Mandatory FBDE.</b>		x
	<b>This business property is the date and timestamp for which inventory information is captured for reporting</b>		

16: InventoryReportLineItem		BusinessDataEntity	
Property	Value		Modified
Definition	The collection of business properties that describe a product entry on an inventory report.		
User Notes	<b>Mandatory BDE.</b>		x
	<b>The following Entities are not used:</b>		
	<b>DocumentReference</b>		
	<b>IntraCompanyTransfer</b>		
Children	Cardinality	Entity	Type Modified
	0..n	DocumentReference	BDE
	1	GlobalProductUnitOfMeasureCode	FBDE
	0..n	IntraCompanyTransfer	BDE
	1	inventoryLocation	BP
	0..1	inventoryOwner	BP
	1..n	InventoryProductQuantity	BDE
	1	ProductIdentification	BDE

17: DocumentReference		BusinessDataEntity	
Property	Value		Modified

Definition	The collection of business properties that allows the description of multiple proprietary documents.		
User Notes	<b>Optional BDE.</b>		
	<b>This Entity is not used.</b>		
Children			

22: GlobalProductUnitOfMeasureCode		FundamentalBusinessDataEntity	
Property	Value		Modified
Definition	Code identifying a product unit of measure.		
DataType	String		
Min Size	1		
Max Size			
Representation			
User Notes	<b>Mandatory FBDE.</b>		
Instances	Instances	Definition	Modified
	<b>Each</b>		

23: IntraCompanyTransfer		BusinessDataEntity	
Property	Value		Modified
Definition	The collection of business properties that describes a quantity of product stock in transit within a partner.		
User Notes	<b>Optional BDE.</b>		
	<b>This Entity is not used.</b>		
Children			

84: inventoryLocation		BusinessProperty	
Property	Value		Modified
Definition	The party where the inventory product entry is located.		
User Notes	<b>Mandatory BP</b>		
Children	Cardinality	Entity	Type Modified
	1	PartnerDescription	BDE

84: PartnerDescription		BusinessDataEntity	
Property	Value		Modified
Definition	The collection of business properties that describe a business partners' identity and their function in a supply chain.		
User Notes	<b>Mandatory BDE.</b>		
	<b>The Entity ContactInformation is not used.</b>		
Children	Cardinality	Entity	Type Modified
	1	BusinessDescription	BDE
	0..1	ContactInformation	BDE
	1	GlobalPartnerClassificationCode	FBDE
	1	PhysicalLocation	BDE

85: BusinessDescription		BusinessDataEntity	
Property	Value		Modified
Definition	The collection of business properties that describe a business identity and location.		
Constraint 1	<b>At least one occurrence of GlobalBusinessIdentifier or PartnerBusinessIdentification is mandatory.</b>		
User Notes	<b>Mandatory BDE.</b>		
	<b>The following Entities are not used:</b>		
	<b>businessName</b>		
	<b>PartnerBusinessIdentification</b>		
Children	Cardinality	Entity	Type Modified
	0..1	businessName	BP
	0..1	GlobalBusinessIdentifier	FBDE

0..n	PartnerBusinessIdentification	BDE
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86: businessName		BusinessProperty
Property	Value	Modified
Definition	The name of a business entity.	
User Notes	<b>Optional BP.</b> <b>This Entity is not used.</b>	x
Children		

87: GlobalBusinessIdentifier		FundamentalBusinessDataEntity
Property	Value	Modified
Definition	A unique business identifier. The DUNS number is specified by RosettaNet.	
Data Type	Integer	
Min Size	9	
Max Size	9	
Representation	9(9)	
User Notes	<b>Optional FBDE</b> <b>DUNs number of the Partner Location holding the inventory.</b>	x

88: PartnerBusinessIdentification		BusinessDataEntity
Property	Value	Modified
Definition	The collection of business properties that allow for the proprietary identification of a business entity.	
User Notes	<b>Optional BDE.</b> <b>This Entity is not used.</b>	x
Children		

92: ContactInformation		BusinessDataEntity
Property	Value	Modified
Definition	"The collection of business properties that provide communication and address information for contacting a person, organization or business."	
User Notes	<b>Optional BDE.</b> <b>This Entity is not used</b>	x
Children		x

97: GlobalPartnerClassificationCode		FundamentalBusinessDataEntity																					
Property	Value	Modified																					
Definition	Code identifying a partner's function in the supply chain.																						
Data Type	String																						
Min Size	1																						
Max Size																							
Representation																							
User Notes	<b>Mandatory FBDE</b>	x																					
Instances	<table border="1"> <thead> <tr> <th>Instances</th> <th>Definition</th> <th>Modified</th> </tr> </thead> <tbody> <tr> <td><b>End User</b></td> <td>Product end user in supply chain.</td> <td></td> </tr> <tr> <td><b>Distributor</b></td> <td>Product distributor in supply chain.</td> <td></td> </tr> <tr> <td><b>Contract Manufacturer</b></td> <td>The party responsible for the services rendered.</td> <td></td> </tr> <tr> <td><b>Original Equipment Manufacturer</b></td> <td>Product manufacturer of original equipment in the supply chain.</td> <td></td> </tr> <tr> <td><b>Warehouser</b></td> <td>Product warehouser in supply chain.</td> <td></td> </tr> <tr> <td><b>Distribution Center</b></td> <td>Product distributor in supply chain.</td> <td></td> </tr> </tbody> </table>	Instances	Definition	Modified	<b>End User</b>	Product end user in supply chain.		<b>Distributor</b>	Product distributor in supply chain.		<b>Contract Manufacturer</b>	The party responsible for the services rendered.		<b>Original Equipment Manufacturer</b>	Product manufacturer of original equipment in the supply chain.		<b>Warehouser</b>	Product warehouser in supply chain.		<b>Distribution Center</b>	Product distributor in supply chain.		x
Instances	Definition	Modified																					
<b>End User</b>	Product end user in supply chain.																						
<b>Distributor</b>	Product distributor in supply chain.																						
<b>Contract Manufacturer</b>	The party responsible for the services rendered.																						
<b>Original Equipment Manufacturer</b>	Product manufacturer of original equipment in the supply chain.																						
<b>Warehouser</b>	Product warehouser in supply chain.																						
<b>Distribution Center</b>	Product distributor in supply chain.																						

98: PhysicalLocation		BusinessDataEntity
Property	Value	Modified
Definition	"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."	

Constraint 1	<b>At least one occurrence of GlobalLocationIdentifier, PartnerLocationIdentification or PhysicalAddress is mandatory. Multiple instances of PartnerLocationIdentification can be provided.</b>				x
User Notes	<b>Mandatory BDE.</b>				x
	<b>The following Entities are not used:</b>				
	<b>PartnerLocationIdentification</b>				
	<b>PhysicalAddress</b>				
Children	Cardinality	Entity	Type	Modified	
	0..1	GlobalLocationIdentifier	FBDE		
	0..n	PartnerLocationIdentification	BDE		
	0..1	PhysicalAddress	BDE		

99: GlobalLocationIdentifier		FundamentalBusinessDataEntity	
Property	Value		Modified
Definition	Location uniquely identified by the DUNS +4 number.		
Data Type	Integer		
Min Size	13		
Max Size	13		
Representation	9(13)		
User Notes	<b>Optional FBDE.</b>		x
	<b>Location DUNs number</b>		

100: PartnerLocationIdentification		BusinessDataEntity	
Property	Value		Modified
Definition	The collection of business properties that allow for the proprietary identification of a business location.		
User Notes	<b>Optional BDE.</b>		x
	<b>This Entity is not used.</b>		
Children			

104: PhysicalAddress		BusinessDataEntity	
Property	Value		Modified
Definition	"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."		
Constraint 1	<b>At least one occurrence of addressLine1, addressLine2, addressLine3, cityName, GlobalCountryCode, NationalPostalCode, postOfficeBoxIdentifier or regionName is mandatory.</b>		x
User Notes	<b>Optional BDE.</b>		x
	<b>This Entity is not used.</b>		
Children			

113: inventoryOwner		BusinessProperty	
Property	Value		Modified
Definition	The party that owns the inventory product entry.		
User Notes	<b>Optional BP</b>		x
Children	Cardinality	Entity	Type Modified
	1	BusinessDescription	BDE

113: BusinessDescription		BusinessDataEntity	
Property	Value		Modified
Definition	The collection of business properties that describe a business identity and location.		
Constraint 1	<b>At least one occurrence of GlobalBusinessIdentifier or PartnerBusinessIdentification is mandatory.</b>		x
User Notes	<b>Mandatory BDE.</b>		x
	<b>The following Entities are not used:</b>		
	<b>businessName</b>		
	<b>PartnerBusinessIdentification</b>		

Children	Cardinality	Entity	Type	Modified	x
	0..1	businessName	BP		
	0..1	GlobalBusinessIdentifier	FBDE		
	0..n	PartnerBusinessIdentification	BDE		

114: businessName		BusinessProperty	
Property	Value		Modified
Definition	The name of a business entity.		
User Notes	<b>Optional BP.</b> <b>This Entity is not used.</b>		x
Children			

115: GlobalBusinessIdentifier		FundamentalBusinessDataEntity	
Property	Value		Modified
Definition	A unique business identifier. The DUNS number is specified by RosettaNet.		
DataType	Integer		
Min Size	9		
Max Size	9		
Representation	9(9)		
User Notes	<b>Optional FBDE.</b> <b>DUNs number of the partner who owns the inventory.</b>		x

116: PartnerBusinessIdentification		BusinessDataEntity	
Property	Value		Modified
Definition	The collection of business properties that allow for the proprietary identification of a business entity.		
User Notes	<b>Optional BDE.</b> <b>This Entity is not used.</b>		x
Children			

120: InventoryProductQuantity		BusinessDataEntity		
Property	Value		Modified	
Definition	The collection of business properties that describe the various types of product quantity held in inventory.			
User Notes	<b>Mandatory BDE.</b> <b>The Entity InventoryItemIdentification is not used.</b>		x	
Children				
	Cardinality	Entity	Type	Modified
	1	GlobalInventoryCode	FBDE	
	0..n	InventoryItemIdentification	BDE	
	1	ProductQuantity	FBDE	

121: GlobalInventoryCode		FundamentalBusinessDataEntity	
Property	Value		Modified
Definition	Code identifying the inventory status of a quantity of product.		
DataType	String		
Min Size	1		
Max Size			
Representation			
User Notes	<b>Mandatory FBDE.</b>		x
Instances	Instances	Definition	Modified
	<b>Available</b>		
	<b>Committed</b>		
	<b>Consigned</b>		

122: InventoryItemIdentification		BusinessDataEntity	
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Property	Value	Modified
Definition	The collection of business properties that describes an individual item held in inventory.	
Constraint 1	<b>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 occurrence for each item. The total number of InventoryItemIdentification occurrences must equal the ProductQuantity.</b>	x
User Notes	<b>Optional BDE.</b> <b>This Entity is not used.</b>	x
Children		

**128: ProductQuantity** **FundamentalBusinessDataEntity**

Property	Value	Modified
Definition	A quantity specifying the number of product units.	
DataType	Real	
Min Size	1	
Max Size		
Representation		
User Notes	<b>Mandatory FBDE.</b> <b>This Entity is the quantity pertaining to the code on line 129.</b>	x

**129: ProductIdentification** **BusinessDataEntity**

Property	Value	Modified												
Definition	The collection of business properties that describe proprietary and global identifier information regarding a product.													
Constraint 1	<b>At least one occurrence of GlobalProductIdentifier or PartnerProductIdentification is mandatory.</b>	x												
User Notes	<b>Mandatory BDE</b>	x												
Children	<table border="1"> <thead> <tr> <th>Cardinality</th> <th>Entity</th> <th>Type</th> <th>Modified</th> </tr> </thead> <tbody> <tr> <td>0..1</td> <td>GlobalProductIdentifier</td> <td>FBDE</td> <td></td> </tr> <tr> <td>0..n</td> <td>PartnerProductIdentification</td> <td>BDE</td> <td></td> </tr> </tbody> </table>	Cardinality	Entity	Type	Modified	0..1	GlobalProductIdentifier	FBDE		0..n	PartnerProductIdentification	BDE		
Cardinality	Entity	Type	Modified											
0..1	GlobalProductIdentifier	FBDE												
0..n	PartnerProductIdentification	BDE												

**130: GlobalProductIdentifier** **FundamentalBusinessDataEntity**

Property	Value	Modified
Definition	Global unique product identifier. RosettaNet has adopted the Global Trade Identification Number (GTIN).	
DataType	String	
Min Size	14	
Max Size	14	
Representation	9(14)	
User Notes	<b>Optional FBDE.</b>	x

**131: PartnerProductIdentification** **BusinessDataEntity**

Property	Value	Modified																
Definition	The collection of business properties that describe proprietary part information.																	
User Notes	<b>Optional BDE.</b> <b>The Entity revisionIdentifier is not used</b>	x																
Children	<table border="1"> <thead> <tr> <th>Cardinality</th> <th>Entity</th> <th>Type</th> <th>Modified</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GlobalPartnerClassificationCode</td> <td>FBDE</td> <td></td> </tr> <tr> <td>1</td> <td>ProprietaryProductIdentifier</td> <td>FBDE</td> <td></td> </tr> <tr> <td>0..1</td> <td>revisionIdentifier</td> <td>BP</td> <td></td> </tr> </tbody> </table>	Cardinality	Entity	Type	Modified	1	GlobalPartnerClassificationCode	FBDE		1	ProprietaryProductIdentifier	FBDE		0..1	revisionIdentifier	BP		
Cardinality	Entity	Type	Modified															
1	GlobalPartnerClassificationCode	FBDE																
1	ProprietaryProductIdentifier	FBDE																
0..1	revisionIdentifier	BP																

**132: GlobalPartnerClassificationCode** **FundamentalBusinessDataEntity**

Property	Value	Modified
Definition	Code identifying a partner's function in the supply chain.	
DataType	String	
Min Size	1	
Max Size		
Representation		
User Notes	<b>Mandatory FBDE</b>	x

Instances	Instances	Definition	Modified	x
	<b>Manufacturer</b>	Product manufacturer in supply chain.		

133: ProprietaryProductIdentifier		FundamentalBusinessDataEntity		
Property	Value			Modified
Definition	An internal identifier used to identify a product.			
Data Type	String			
Min Size	1			
Max Size				
Representation				
User Notes	<b>Mandatory FBDE.</b>			x
	<b>Ti Product Number</b>			

134: revisionIdentifier		BusinessProperty		
Property	Value			Modified
Definition	Free form text that identifies a revision to a proprietary serial number.			
User Notes	<b>Optional BP.</b>			x
	<b>This Entity is not used.</b>			
Children				

135: thisDocumentGenerationDateTime		BusinessProperty		
Property	Value			Modified
Definition	The date-time stamp indicating when this document was generated.			
User Notes	<b>Mandatory BP</b>			x
Children	Cardinality	Entity	Type	Modified
	1	DateTimeStamp	FBDE	x

135: DateTimeStamp		FundamentalBusinessDataEntity		
Property	Value			Modified
Definition	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			
Data Type	DateTime			
Min Size	13			
Max Size	20			
Representation	9(8)X9(6)V9(3)X			
User Notes	<b>Mandatory FBDE.</b>			x
	<b>PIP Creation Date and Timestamp</b>			

136: thisDocumentIdentifier		BusinessProperty		
Property	Value			Modified
Definition	Unique tracking identification number that identifies the business document being sent.			
User Notes	<b>Mandatory BP.</b>			x
Children	Cardinality	Entity	Type	Modified
	1	ProprietaryDocumentIdentifier	FBDE	

136: ProprietaryDocumentIdentifier		FundamentalBusinessDataEntity		
Property	Value			Modified
Definition	Unique identifier, i.e. a numeric value or alphanumeric value, for a business document.			
Data Type	String			
Min Size	1			
Max Size				
Representation				
User Notes	<b>Mandatory FBDE.</b>			x

<b>Unique Document ID</b>
---------------------------

137: toRole		BusinessProperty	
Property	Value	Modified	
Definition	The role receiving the document in a business document exchange.		
User Notes	<b>Mandatory BP.</b>	x	
	<b>TI Information</b>		
Children	Cardinality	Entity	Type Modified
	1	PartnerRoleDescription	BDE

137: PartnerRoleDescription		BusinessDataEntity	
Property	Value	Modified	
Definition	The collection of business properties that describe a business partners' role in a partner interface process.		
User Notes	<b>Mandatory BDE.</b>	x	
	<b>The Entity ContactInformation is not used.</b>		
Children	Cardinality	Entity	Type Modified
	0..1	ContactInformation	BDE
	1	GlobalPartnerRoleClassificationCode	FBDE
	1	PartnerDescription	BDE

138: ContactInformation		BusinessDataEntity	
Property	Value	Modified	
Definition	"The collection of business properties that provide communication and address information for contacting a person, organization or business."		
User Notes	<b>Optional BDE.</b>	x	
	<b>This Entity is not used.</b>		
Children		x	

143: GlobalPartnerRoleClassificationCode		FundamentalBusinessDataEntity	
Property	Value	Modified	
Definition	Code identifying a party's role in the supply chain.		
Data Type	String		
Min Size	1		
Max Size			
Representation			
User Notes	<b>Mandatory FBDE</b>	x	
Instances	Instances	Definition	Modified
	<b>Inventory Information User</b>	An employee or organization that uses information about inventory.	x

144: PartnerDescription		BusinessDataEntity	
Property	Value	Modified	
Definition	The collection of business properties that describe a business partners' identity and their function in a supply chain.		
User Notes	<b>Mandatory BDE.</b>	x	
Children	Cardinality	Entity	Type Modified
	1	BusinessDescription	BDE
	1	GlobalPartnerClassificationCode	FBDE

145: BusinessDescription		BusinessDataEntity	
Property	Value	Modified	
Definition	The collection of business properties that describe a business identity and location.		
User Notes	<b>Mandatory BDE</b>	x	
Children	Cardinality	Entity	Type Modified

	1	GlobalSupplyChainCode	FBDE	
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146: GlobalBusinessIdentifier		FundamentalBusinessDataEntity
Property	Value	Modified
Definition	A unique business identifier. The DUNS number is specified by RosettaNet.	
DataType	Integer	
Min Size	9	
Max Size	9	
Representation	9(9)	
User Notes	<b>Mandatory FBDE.</b>  "007321904"  Global TI DUNSs number	x

147: GlobalSupplyChainCode		FundamentalBusinessDataEntity						
Property	Value	Modified						
Definition	Code identifying the supply chain for the partner's function.							
DataType	String							
Min Size	1							
Max Size								
Representation								
User Notes	<b>Mandatory FBDE</b>	x						
Instances	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">Instances</th> <th style="background-color: #cccccc;">Definition</th> <th style="background-color: #cccccc;">Modified</th> </tr> </thead> <tbody> <tr> <td><b>Electronic Components</b></td> <td>The electronic components supply chain.</td> <td></td> </tr> </tbody> </table>	Instances	Definition	Modified	<b>Electronic Components</b>	The electronic components supply chain.		x
Instances	Definition	Modified						
<b>Electronic Components</b>	The electronic components supply chain.							

148: GlobalPartnerClassificationCode		FundamentalBusinessDataEntity						
Property	Value	Modified						
Definition	Code identifying a partner's function in the supply chain.							
DataType	String							
Min Size	1							
Max Size								
Representation								
User Notes	<b>Mandatory FBDE</b>	x						
Instances	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">Instances</th> <th style="background-color: #cccccc;">Definition</th> <th style="background-color: #cccccc;">Modified</th> </tr> </thead> <tbody> <tr> <td><b>Manufacturer</b></td> <td>Product manufacturer in supply chain.</td> <td></td> </tr> </tbody> </table>	Instances	Definition	Modified	<b>Manufacturer</b>	Product manufacturer in supply chain.		x
Instances	Definition	Modified						
<b>Manufacturer</b>	Product manufacturer in supply chain.							

## Dictionary

This section lists all the entities in the message guideline in alphabetical order. The entry in the dictionary is the most complete definition of the entity. Though, it is possible that only part of entity definition is used in different parts of the message. The entity customized uses are listed in Guideline Information section of this document.

Note: Customized uses of the entity are shown with a modified flag in the Message Tree and are also listed in the Index under the 'Guideline pg #' column if any.

<b>BusinessDescription</b>		<b>BusinessDataEntity</b>	
Property	Value		
Definition	The collection of business properties that describe a business identity and location.		
Usage	Sequence # 9, 85, 113, 145		
Children	Cardinality	Entity	Type
	0..1	GlobalBusinessIdentifier	FBDE
	1	GlobalSupplyChainCode	FBDE
	0..1	businessName	BP
	0..n	PartnerBusinessIdentification	BDE

<b>businessName</b>		<b>BusinessProperty</b>	
Property	Value		
Definition	The name of a business entity.		
Usage	Sequence # 86, 114		
Children	Cardinality	Entity	Type
	1	FreeFormText	FBDE

<b>CommunicationsNumber</b>		<b>FundamentalBusinessDataEntity</b>	
Property	Value		
Definition	The electro-technical communication number, e.g., telephone number, facsimile number, pager number.		
Data Type	String		
Min Size	1		
Max Size	30		
Representation	X(30)		
Usage	Sequence # 5, 6		

<b>ContactInformation</b>		<b>BusinessDataEntity</b>	
Property	Value		
Definition	"The collection of business properties that provide communication and address information for contacting a person, organization or business."		
Usage	Sequence # 2, 92, 138		
Children	Cardinality	Entity	Type
	1	contactName	BP
	0..1	EmailAddress	FBDE
	0..1	facsimileNumber	BP
	1	telephoneNumber	BP

<b>contactName</b>		<b>BusinessProperty</b>	
Property	Value		
Definition	Name of the contact person(s) within the organization.		
Usage	Sequence # 3		
Children	Cardinality	Entity	Type
	1	FreeFormText	FBDE

<b>DateTimeStamp</b>		<b>FundamentalBusinessDataEntity</b>	
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Property	Value
Definition	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
Data Type	DateTime
Min Size	13
Max Size	20
Representation	9(8)X9(6)V9(3)X
Usage	Sequence # 15, 135

<b>DocumentReference</b>		<b>BusinessDataEntity</b>	
Property	Value		
Definition	The collection of business properties that allows the description of multiple proprietary documents.		
Usage	Sequence # 17		
Children	<b>Cardinality</b>	<b>Entity</b>	<b>Type</b>
	0..1	DateTimeStamp	FBDE
	1	GlobalDocumentReferenceTypeCode	FBDE
	0..1	LineItemNumber	FBDE
	1	ProprietaryDocumentIdentifier	FBDE

<b>EmailAddress</b>		<b>FundamentalBusinessDataEntity</b>	
Property	Value		
Definition	Electronic mail address.		
Data Type	String		
Min Size	1		
Max Size			
Representation			
Usage	Sequence # 4		

<b>facsimileNumber</b>		<b>BusinessProperty</b>	
Property	Value		
Definition	The numerical schema designed to achieve contact via facsimile.		
Usage	Sequence # 5		
Children	<b>Cardinality</b>	<b>Entity</b>	<b>Type</b>
	1	CommunicationsNumber	FBDE

<b>FreeFormText</b>		<b>FundamentalBusinessDataEntity</b>	
Property	Value		
Definition	Unformatted text.		
Data Type	String		
Min Size	1		
Max Size			
Representation			
Usage	Sequence # 3		

<b>fromRole</b>		<b>BusinessProperty</b>	
Property	Value		
Definition	The role initiating a business document exchange.		
Usage	Sequence # 1		
Children	<b>Cardinality</b>	<b>Entity</b>	<b>Type</b>
	1	PartnerRoleDescription	BDE

<b>GlobalBusinessIdentifier</b>		<b>FundamentalBusinessDataEntity</b>	
Property	Value		
Definition	A unique business identifier. The DUNS number is specified by RosettaNet.		
Data Type	Integer		
Min Size	9		

Max Size	9
Representation	9(9)
Usage	Sequence # 10, 87, 115, 146

GlobalDocumentFunctionCode		FundamentalBusinessDataEntity
Property	Value	
Definition	Code identifying the function of a document as either a request or a response.	
Data Type	String	
Min Size	1	
Max Size		
Representation		
Usage	Sequence # 13	
Instances	Instances	Definition
	<b>Request</b>	The business document is a request for a business action to be performed by a partner.
	<b>Response</b>	The business document is a response to a requesting partner.

GlobalInventoryCode		FundamentalBusinessDataEntity
Property	Value	
Definition	Code identifying the inventory status of a quantity of product.	
Data Type	String	
Min Size	1	
Max Size		
Representation		
Usage	Sequence # 121	
Instances	Instances	Definition
	<b>Available</b>	
	<b>Committed</b>	
	<b>Consigned</b>	
	<b>Defective</b>	
	<b>Finished Goods</b>	
	<b>In Transit Between Partners</b>	
	<b>In Transit Within Partner</b>	
	<b>Non-saleable</b>	
	<b>On Hold</b>	
	<b>Open Box</b>	
	<b>Quality Assurance</b>	
	<b>Raw</b>	
	<b>Work In Process</b>	

GlobalLocationIdentifier		FundamentalBusinessDataEntity
Property	Value	
Definition	Location uniquely identified by the DUNS +4 number.	
Data Type	Integer	
Min Size	13	
Max Size	13	
Representation	9(13)	
Usage	Sequence # 99	

GlobalPartnerClassificationCode		FundamentalBusinessDataEntity
Property	Value	
Definition	Code identifying a partner's function in the supply chain.	
Data Type	String	
Min Size	1	
Max Size		
Representation		
Usage	Sequence # 12, 97, 132, 148	
Instances	Instances	Definition

<b>Shopper</b>	Product shopper in supply chain.
<b>End User Government</b>	End user government.
<b>End User</b>	Product end user in supply chain.
<b>Distributor</b>	Product distributor in supply chain.
<b>Freight Forwarder</b>	Product freight forwarder for transporting goods in supply chain.
<b>Carrier</b>	Product carrier for transporting goods in supply chain.
<b>Financier</b>	Financial service provider in supply chain
<b>Manufacturer</b>	Product manufacturer in supply chain.
<b>Retailer</b>	Product retailer in supply chain.
<b>Reseller</b>	A party buys goods from a manufacturer and resells them to customers unchanged.
<b>Broker</b>	Representative of a third party.
<b>Contract Manufacturer</b>	The party responsible for the services rendered.
<b>Original Equipment Manufacturer</b>	Product manufacturer of original equipment in the supply chain.
<b>Customs Broker</b>	Product customs broker in supply chain.
<b>Warehouser</b>	Product warehouser in supply chain.
<b>Distribution Center</b>	Product distributor in supply chain.

GlobalPartnerRoleClassificationCode		FundamentalBusinessDataEntity
Property	Value	
Definition	Code identifying a party's role in the supply chain.	
Data Type	String	
Min Size	1	
Max Size		
Representation		
Usage	Sequence # 7, 143	
Instances	Instances	Definition
	<b>Financing Processor</b>	The organization that processes the request for financing.
	<b>Product Provider</b>	The partner role that creates a differentiated product, owns the registration process and creates a list of eligible products.
	<b>Credit Reference Requester</b>	This partner role is responsible for requesting credit information about potential customers.
	<b>Account Supplier</b>	Any trading partner that buys or sells products/services from customers and/or vendors.
	<b>Sales Marketing Claimant</b>	The partner role that requests reimbursement from a Sales Marketing Claim Processor.
	<b>Sales Lead Processor</b>	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.
	<b>Sales Lead Originator</b>	The party assigning a sales lead to another party.
	<b>Status Requester</b>	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).
	<b>Payer</b>	The party issuing a payment.
	<b>Status Responder</b>	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).
	<b>Return Receiver</b>	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.
	<b>Return Provider</b>	The party responsible for authorizing and/or processing the return.
	<b>Return Requester</b>	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.
	<b>Authorizer</b>	The partner role that provides product authorization, from a product owner or manufacturer, for a reselling organization to resell a product.
	<b>Anonymous Buyer</b>	A requestor of information that chooses to remain anonymous.
	<b>Payee</b>	The party receiving a payment.

<b>Seller</b>	An organization that sells products to partners in the supply chain.
<b>Solution Provider</b>	The party that may architect, configure, engineer, sell, or determine the fulfillment of the configured solution to partners in the supply chain.
<b>Sales Marketing Program Reimbuser</b>	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.
<b>Shipment Information User</b>	The party who receives shipment status information.
<b>Supplier</b>	This partner role supplies product to customers in the supply chain.
<b>Sales Facilitator</b>	This partner role facilitates the sale of product between partners in the supply chain.
<b>Product Supplier</b>	This partner role supplies product to customers in the supply chain.
<b>Customer</b>	This partner role creates a demand for a product or service.
<b>Credit Provider</b>	This partner role is responsible for providing credit information about potential customers.
<b>Customer Manager</b>	This partner role manages the relationship with the business customers.
<b>Specification Provider</b>	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.
<b>Buyer</b>	An employee or organization that buys products for a partner type in the supply chain.
<b>Product Information User</b>	The partner role that uses product information to create or update enterprise systems and online promotion systems such as electronic catalog systems.
<b>Product Information Distributor</b>	The partner role that distributes new product information to product information users and buyers.
<b>Marketing Activity Initiator</b>	The partner role that distributes information about marketing activities being sponsored by the organization.
<b>Marketing Activity Information User</b>	The party who uses information about Marketing Activities. This party might include distributors, and retail operations.
<b>Sales Marketing Claim Processor</b>	The partner role that processes the claim and/or remits compensation to the Sales Marketing Claimant.
<b>Demand Creator</b>	The partner role responsible for identifying the opportunity; submits design registration; provides engineering support to advance the opportunity to the higher stage towards design win and to generate revenue.
<b>Product Information Subscriber</b>	The business partner that subscribes to product information from other business partners.
<b>ShipmentController</b>	The party who is authorized to make decisions regarding a shipment while in-transit.
<b>Catalog Distributor</b>	The partner role that distributes catalog information to catalog producers and buyers.
<b>Catalog Producer</b>	The partner role that produces catalog information for a partner type in the supply chain.
<b>Tender Information User</b>	The stakeholder(s) in the tendering activity.
<b>Account User</b>	Any trading partner that requires an account to buy or sell products/services.
<b>Shipper</b>	The party who relinquishes a shipment to a Transport Service Provider.
<b>Claim Requester</b>	The owner of the shipments who is responsible for the intact delivery.
<b>Transport Service Provider</b>	The party that provides transportation services for a Shipment Requester.
<b>In-transit Information User</b>	The party who receives shipment status information.
<b>Appointment Provider</b>	The stakeholder(s) in the shipment delivery activity.
<b>Consignee</b>	The receiver of the shipment.
<b>Decision Stakeholder</b>	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.
<b>Invoice Receiver</b>	The organization being invoiced.
<b>Invoice Provider</b>	The organization that generates the invoice.

<b>Invoice Reject Receiver</b>	The organization being issued an Invoice Reject Notification.
<b>Shipment Requester</b>	The party requesting transportation services.
<b>Sales Marketing Program Reimbursement Recipient</b>	The partner role that receives status on a previously submitted sales marketing claim, or who receives reimbursement without submitting a claim.
<b>Product Distributor</b>	The party authorized by a Product Supplier to purchase goods and services from the Product Supplier and resell to customers.
<b>Implementation Plan Creator</b>	The partner role that creates, maintains and manages an implementation plan associated with an Engineering Change Order.
<b>Invoice Reject Provider</b>	The organization that rejects an invoice.
<b>Specification User</b>	The partner role that uses a manufacturing specification. This might be a sub-contract assembler or fabricator.
<b>Change Requester</b>	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.
<b>Forecast Owner</b>	The party that creates a sales or order forecast and is ultimately responsible for it.
<b>Forecast Recipient</b>	The party that receives a sales or order forecast.
<b>Delivery Appointment Provider</b>	A party that receives a request for a change to a previously scheduled delivery appointment.
<b>Solution Requester</b>	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).
<b>Delivery Appointment Requester</b>	A party that requests a change to a previously scheduled delivery appointment.
<b>Change Review Forum</b>	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.
<b>Stakeholder</b>	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

<b>GlobalProductIdentifier</b>		<b>FundamentalBusinessDataEntity</b>
Property	Value	
Definition	Global unique product identifier. RosettaNet has adopted the Global Trade Identification Number (GTIN).	
Data Type	String	
Min Size	14	
Max Size	14	
Representation	9(14)	
Usage	Sequence # 130	

<b>GlobalProductUnitOfMeasureCode</b>		<b>FundamentalBusinessDataEntity</b>
Property	Value	
Definition	Code identifying a product unit of measure.	
Data Type	String	
Min Size	1	
Max Size		
Representation		
Usage	Sequence # 22	
Instances	Instances	Definition
	<b>Each</b>	
	<b>Dozen</b>	
	<b>Shot</b>	
	<b>Sheet</b>	
	<b>Calorie</b>	
	<b>Bushel, Dry Imperial</b>	
	<b>Vial</b>	

Wrap
Barrels Per Day
Can
Shipment
Pounds Per Piece of Product
Skein
Skid
Plate
Sleeve
Slip Sheet
Sheet-Metric measure
10,000 Gallon Tankcar
Spool
Reel
Ring
Rod
Sack
Rack
Pounds Per Foot
10 Kilogram Drum
Pound
Card
Carat
Car
Pounds Per Pound of Product
Pounds Per Gallon
Pounds Per 1000 Square Feet
Pounds Per Thousand
Grain
Grams Per Milliliter
Fuel Usage (Gallons)
Fluid Ounce
Fluid Ounce (Imperial)
Gage Systems
Gallon
Drum
Gill (Imperial)
Dram
Gram
Grams Per 100 Centimeters
Grams Per 100 Grams
Grams Per Cubic Centimeter
Grams Per Kilogram
Strip
Gigajoules
Cup
Coil
Coil Group
Composite Product Pounds (Total Weight)
Cone
Connector
Container
Dry Pounds
Crate
Grams Per Square Meter
Cycles
Cylinder
Deal
Disk (Disc)
Dispenser

Display
Cover
Tank
Grams Per Liter
Cassette
Cask
Case
Cartridge
Carton
Tote
Tank Truck
Catchweight
Tablet
Chest
Super Bulk Bag
Carload
Stick
Statute Mile
Pint U.S. Dry
Tray
Grams Per Square Centimeter
Great Gross (Dozen Gross)
Gross
Gross Barrels
Gross Gallons
Gross Kilogram
Torr
Truckload
Square
Train
Trailer
Chains (Land Survey)
Track Foot
Centipoise (CPS)
Cell
Tube
Ball
Batch
Basket
Hank
Heat lots
Hours
Hundred Boxes
Base Weight
Base Box
Barrels Per Minute
Barrel, Imperial
Barrel
Liquid Pounds
Band
Half Gallon
Hundred Count
Hundred Sheets
Hundredth of a Carat
Imperial Gallons
Jar
Joint
Lifts
Bag
Piece

<b>Aluminum Pounds Only</b>
<b>Link</b>
<b>Bar</b>
<b>Bulk Car Load</b>
<b>Bin</b>
<b>Billet</b>
<b>Block</b>
<b>Board</b>
<b>Board Feet</b>
<b>Bolt</b>
<b>Bottle</b>
<b>Box</b>
<b>British Thermal Unit (BTU)</b>
<b>British Thermal Units (BTUs) Per Cubic Foot</b>
<b>British Thermal Units (BTUs) Per Pound</b>
<b>Half Liter</b>
<b>Bulk</b>
<b>Half Hour</b>
<b>Bulk Pack</b>
<b>Bundle</b>
<b>Bunks</b>
<b>Bushel</b>
<b>Gross Ton</b>
<b>Gross Yard</b>
<b>Belt</b>
<b>Beam</b>
<b>Batting Pound</b>
<b>Batt</b>
<b>Group</b>
<b>Bale</b>
<b>Bucket</b>
<b>20-Pack</b>
<b>Net Imperial Gallons</b>
<b>Net Liters</b>
<b>Load</b>
<b>Pack (PAK)</b>
<b>Packet</b>
<b>Pad</b>
<b>Pail</b>
<b>Pallet (Lift)</b>
<b>Pallet/Unit Load</b>
<b>Panel</b>
<b>Net Gallons</b>
<b>Pennyweight</b>
<b>300 Kilogram Bulk Bag</b>
<b>20,000 Gallon Tankcar</b>
<b>Percent</b>
<b>20 Foot Container</b>
<b>15 Kilogram Drum</b>
<b>115 Kilogram Drum</b>
<b>100-Pack</b>
<b>100 Pound Drum</b>
<b>100 Board Feet</b>
<b>Percent Per 1000 Hours</b>
<b>Percent Weight</b>
<b>25 Kilogram Bulk Bag</b>
<b>Megagrams Per Hour</b>
<b>500 Kilogram Bulk Bag</b>
<b>Milligrams Per Cubic Meter</b>
<b>Mat</b>

<b>Micrograms Per Cubic Meter</b>
<b>Milligrams Per Square Meter</b>
<b>Package</b>
<b>Million BTU's</b>
<b>55 Gallon Drum</b>
<b>Net Barrels</b>
<b>50 Pound Bag</b>
<b>40 Foot Container</b>
<b>Actual Pounds</b>
<b>Lug</b>
<b>Lot</b>
<b>Megagram</b>
<b>Millimeter H2O</b>

<b>GlobalSupplyChainCode</b>		<b>FundamentalBusinessDataEntity</b>						
Property	Value							
Definition	Code identifying the supply chain for the partner's function.							
Data Type	String							
Min Size	1							
Max Size								
Representation								
Usage	Sequence # 11, 147							
Instances	<table border="1"> <thead> <tr> <th>Instances</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td><b>Information Technology</b></td> <td>The information technology supply chain.</td> </tr> <tr> <td><b>Electronic Components</b></td> <td>The electronic components supply chain.</td> </tr> </tbody> </table>		Instances	Definition	<b>Information Technology</b>	The information technology supply chain.	<b>Electronic Components</b>	The electronic components supply chain.
Instances	Definition							
<b>Information Technology</b>	The information technology supply chain.							
<b>Electronic Components</b>	The electronic components supply chain.							

<b>IntraCompanyTransfer</b>		<b>BusinessDataEntity</b>												
Property	Value													
Definition	The collection of business properties that describes a quantity of product stock in transit within a partner.													
Usage	Sequence # 23													
Children	<table border="1"> <thead> <tr> <th>Cardinality</th> <th>Entity</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>0..1</td> <td>inTransitFrom</td> <td>BP</td> </tr> <tr> <td>1</td> <td>inTransitQuantity</td> <td>BP</td> </tr> <tr> <td>0..1</td> <td>inTransitTo</td> <td>BP</td> </tr> </tbody> </table>		Cardinality	Entity	Type	0..1	inTransitFrom	BP	1	inTransitQuantity	BP	0..1	inTransitTo	BP
Cardinality	Entity	Type												
0..1	inTransitFrom	BP												
1	inTransitQuantity	BP												
0..1	inTransitTo	BP												

<b>InventoryItemIdentification</b>		<b>BusinessDataEntity</b>															
Property	Value																
Definition	The collection of business properties that describes an individual item held in inventory.																
Usage	Sequence # 122																
Children	<table border="1"> <thead> <tr> <th>Cardinality</th> <th>Entity</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>0..1</td> <td>countryOfOrigin</td> <td>BP</td> </tr> <tr> <td>0..1</td> <td>manufactureDate</td> <td>BP</td> </tr> <tr> <td>0..1</td> <td>ProprietaryLotIdentifier</td> <td>FBDE</td> </tr> <tr> <td>0..1</td> <td>SerialNumberIdentification</td> <td>BDE</td> </tr> </tbody> </table>		Cardinality	Entity	Type	0..1	countryOfOrigin	BP	0..1	manufactureDate	BP	0..1	ProprietaryLotIdentifier	FBDE	0..1	SerialNumberIdentification	BDE
Cardinality	Entity	Type															
0..1	countryOfOrigin	BP															
0..1	manufactureDate	BP															
0..1	ProprietaryLotIdentifier	FBDE															
0..1	SerialNumberIdentification	BDE															

<b>inventoryLocation</b>		<b>BusinessProperty</b>						
Property	Value							
Definition	The party where the inventory product entry is located.							
Usage	Sequence # 84							
Children	<table border="1"> <thead> <tr> <th>Cardinality</th> <th>Entity</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PartnerDescription</td> <td>BDE</td> </tr> </tbody> </table>		Cardinality	Entity	Type	1	PartnerDescription	BDE
Cardinality	Entity	Type						
1	PartnerDescription	BDE						

<b>inventoryOwner</b>		<b>BusinessProperty</b>
Property	Value	
Definition	The party that owns the inventory product entry.	
Usage	Sequence # 113	

Children	Cardinality	Entity	Type
	1	BusinessDescription	BDE

InventoryProductQuantity		BusinessDataEntity	
Property	Value		
Definition	The collection of business properties that describe the various types of product quantity held in inventory.		
Usage	Sequence # 120		
Children	Cardinality	Entity	Type
	1	GlobalInventoryCode	FBDE
	0..n	InventoryItemIdentification	BDE
	1	ProductQuantity	FBDE

InventoryReport		BusinessDataEntity	
Property	Value		
Definition	The collection of business properties that describe a product in inventory at a specific point in time.		
Usage	Sequence # 14		
Children	Cardinality	Entity	Type
	1	inventoryReportDateTime	BP
	1..n	InventoryReportLineItem	BDE

inventoryReportDateTime		BusinessProperty	
Property	Value		
Definition	The date and time stamp for which inventory information is captured for reporting.		
Usage	Sequence # 15		
Children	Cardinality	Entity	Type
	0..1	DateTimeStamp	FBDE

InventoryReportLineItem		BusinessDataEntity	
Property	Value		
Definition	The collection of business properties that describe a product entry on an inventory report.		
Usage	Sequence # 16		
Children	Cardinality	Entity	Type
	0..n	DocumentReference	BDE
	1	GlobalProductUnitOfMeasureCode	FBDE
	0..n	IntraCompanyTransfer	BDE
	1	inventoryLocation	BP
	0..1	inventoryOwner	BP
	1..n	InventoryProductQuantity	BDE
1	ProductIdentification	BDE	

PartnerBusinessIdentification		BusinessDataEntity	
Property	Value		
Definition	The collection of business properties that allow for the proprietary identification of a business entity.		
Usage	Sequence # 88, 116		
Children	Cardinality	Entity	Type
	1	ProprietaryBusinessIdentifier	FBDE
	1	ProprietaryDomainIdentifier	FBDE
	0..1	ProprietaryIdentifierAuthority	FBDE

PartnerDescription		BusinessDataEntity	
Property	Value		
Definition	The collection of business properties that describe a business partners' identity and their function in a supply chain.		
Usage	Sequence # 8, 84, 144		
Children	Cardinality	Entity	Type
	1	BusinessDescription	BDE
	1	GlobalPartnerClassificationCode	FBDE

0..1	ContactInformation	BDE
1	PhysicalLocation	BDE

PartnerLocationIdentification		BusinessDataEntity	
Property	Value		
Definition	The collection of business properties that allow for the proprietary identification of a business location.		
Usage	Sequence # 100		
Children	Cardinality	Entity	Type
	1	ProprietaryDomainIdentifier	FBDE
	0..1	ProprietaryIdentifierAuthority	FBDE
	1	ProprietaryLocationIdentifier	FBDE

PartnerProductIdentification		BusinessDataEntity	
Property	Value		
Definition	The collection of business properties that describe proprietary part information.		
Usage	Sequence # 131		
Children	Cardinality	Entity	Type
	1	GlobalPartnerClassificationCode	FBDE
	1	ProprietaryProductIdentifier	FBDE
	0..1	revisionIdentifier	BP

PartnerRoleDescription		BusinessDataEntity	
Property	Value		
Definition	The collection of business properties that describe a business partners' role in a partner interface process.		
Usage	Sequence # 1, 137		
Children	Cardinality	Entity	Type
	0..1	ContactInformation	BDE
	1	GlobalPartnerRoleClassificationCode	FBDE
	1	PartnerDescription	BDE

PhysicalAddress		BusinessDataEntity	
Property	Value		
Definition	"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."		
Usage	Sequence # 104		
Children	Cardinality	Entity	Type
	0..1	addressLine1	BP
	0..1	addressLine2	BP
	0..1	addressLine3	BP
	0..1	cityName	BP
	0..1	GlobalCountryCode	FBDE
	0..1	NationalPostalCode	FBDE
	0..1	postOfficeBoxIdentifier	BP
	0..1	regionName	BP

PhysicalLocation		BusinessDataEntity	
Property	Value		
Definition	"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."		
Usage	Sequence # 98		
Children	Cardinality	Entity	Type
	0..1	GlobalLocationIdentifier	FBDE
	0..n	PartnerLocationIdentification	BDE
	0..1	PhysicalAddress	BDE

ProductIdentification		BusinessDataEntity	
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Property	Value
Definition	The collection of business properties that describe proprietary and global identifier information regarding a product.
Usage	Sequence # 129
Children	<b>Cardinality</b> <b>Entity</b> <b>Type</b>
	0..1   GlobalProductIdentifier   FBDE
	0..n   PartnerProductIdentification   BDE

<b>ProductQuantity</b>		<b>FundamentalBusinessDataEntity</b>
Property	Value	
Definition	A quantity specifying the number of product units.	
Data Type	Real	
Min Size	1	
Max Size		
Representation		
Usage	Sequence # 128	

<b>ProprietaryDocumentIdentifier</b>		<b>FundamentalBusinessDataEntity</b>
Property	Value	
Definition	Unique identifier, i.e. a numeric value or alphanumeric value, for a business document.	
Data Type	String	
Min Size	1	
Max Size		
Representation		
Usage	Sequence # 136	

<b>ProprietaryProductIdentifier</b>		<b>FundamentalBusinessDataEntity</b>
Property	Value	
Definition	An internal identifier used to identify a product.	
Data Type	String	
Min Size	1	
Max Size		
Representation		
Usage	Sequence # 133	

<b>revisionIdentifier</b>		<b>BusinessProperty</b>
Property	Value	
Definition	Free form text that identifies a revision to a proprietary serial number.	
Usage	Sequence # 134	
Children	<b>Cardinality</b> <b>Entity</b> <b>Type</b>	
	1   FreeFormText   FBDE	

<b>telephoneNumber</b>		<b>BusinessProperty</b>
Property	Value	
Definition	The numerical schema designed to achieve contact via telephone.	
Usage	Sequence # 6	
Children	<b>Cardinality</b> <b>Entity</b> <b>Type</b>	
	1   CommunicationsNumber   FBDE	

<b>thisDocumentGenerationDateTime</b>		<b>BusinessProperty</b>
Property	Value	
Definition	The date-time stamp indicating when this document was generated.	
Usage	Sequence # 135	
Children	<b>Cardinality</b> <b>Entity</b> <b>Type</b>	
	0..1   DateTimeStamp   FBDE	

<b>thisDocumentIdentifier</b>		<b>BusinessProperty</b>
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Property	Value
Definition	Unique tracking identification number that identifies the business document being sent.
Usage	Sequence # 136
Children	Cardinality
	Entity
	1 ProprietaryDocumentIdentifier
	Type
	FBDE

<b>toRole</b>		<b>BusinessProperty</b>
Property	Value	
Definition	The role receiving the document in a business document exchange.	
Usage	Sequence # 137	
Children	Cardinality	Type
	Entity	
	1 PartnerRoleDescription	BDE

## Glossary

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Term	Definition
Association	Association is a way of shortening the file by pointing to values already present in the Business Message. Every entity can have association, but it is required for the entities that are referenced.
BDE	BusinessDataEntity
BP	BusinessProperty
BusinessDataEntity	A complex structure that is formed of one or more BDE, FBDE, QFBDE, BP, Choice or Reference.
Business Message	Part of the Message that is formed according to RosettaNet rules and conveys a particular business meaning that Trading Partners fully understand. Usually this part of the message will be encrypted.
BusinessProperty	A special business meaning of the entity use in a particular location.
Cardinality	A means of showing how many of the entity must/can appear in the message.
Choice	Is used in cases when either one of two sets of values is required in the Business Message.
Constraints	A rule, usually as unformatted text, that specifies how the entities are related.
Definition	A text explanation about the general meaning/use of an entity.
Dictionary	The list of all entities used in the message guideline with their definitions.
Entity	One of the different types of complex or simple structures used in Business Messages.
FBDE	FundamentalBusinessDataEntity
FundamentalBusinessDataEntity	The smallest quantum of information that carries data.
Instance	A standard value that an FBDE can take. Usually instances are grouped in lists of values that will be named Entity Instances because the list is linked to one particular FBDE.
Max Size	The maximum length an (Q)FBDE must have in order to be valid.
Message	A file/stream of data that is composed of routing, service, and business content required to correctly deliver a Business Message. The Business Message is part of the message itself.
Message guideline	A specification, that describes the structure and contents of Business Messages or other part of the Message that are to be exchanged between 2 or more parties.
Min Size	The minimum length an (Q)FBDE must have in order to be valid.
QFBDE	QuantitativeFundamentalBusinessDataEntity
QuantitativeFundamentalBusinessDataEntity	Same as FBDE only that the value is a quantity of something, that is it is a measurement explained in some units of measure.
Reference	A placeholder for some of the entities in the Message Guideline. It can be expanded with the actual entity. Usually used in cases when there are Cyclic uses of the same Entity.
Representation	A notation about how the values are supposed to look like in order to be valid.
User Notes	Local clarifications/explanations about the meaning and use of a particular entity.

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