

# Description of 3C9 Message

# PIP® 3C9

#### Validated 11.01.00

**Specification Information** 

Name Description of 3C9 Message

PIP Notify of Return Product Confirmation

Cluster Order Management
Segment Returns And Finance

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# Table of Content

1.		ment Management	
1.1		al Disclaimer	
1.2		pyright	
1.3		demarks	
1.4		nowledgments	
1.5		ated Documents	
1.6	Doc	cument Version History	. 6
1.7	' Doc	cument Purpose	. 6
2.		change Model	
2.1	Ret	urnProductConfirmationNotification	. 7
_	2.1.1	Interchange Diagram	. 7
2	2.1.2	Dependency Diagram	. 7
2	2.1.3	ProductLineItem	. 8
2	2.1.4	Resource	. 9
2	2.1.5	ReturnProductConfirmationNotification	10
2	2.1.6	StatusInformation	10
2.2	2 Dor	main Model	12
2.3	Ser	vice	12
2	2.3.1	Dependency Diagram	12
2	2.3.2	CodeList	12
	2.3.2	.1 NotificationCode	12
	2.3.2	.2 ReturnProductInstruction	12
2.4	Sha	ared	13
2	2.4.1	Dependency Diagram	13
	2.4.1	.1 ProductQuantity	13
2		CodeList	
	2.4.2	.1 ShippingServiceLevel	14
3.	Unive	ersal Structure	
3.1	Cor	ntactInformation	16
3	3.1.1	ContactInformation	16
3.2	2 Dat	aType	16
3	3.2.1	Contact	16
3	3.2.2	DUNS	17
3	3.2.3	DUNSPlus4	17
3	3.2.4	GLN	18
3	3.2.5	GTIN	18
3.3	B Doo	cument	18
3	3.3.1	BusinessDocumentReference	18
3.4	Loc	ations	20
3	3.4.1	AlternativeIdentifier	20
3	3.4.2	Location	20
3	3.4.3	LocationChoice	21
3	3.4.4	Physical Address	21
3.5	Mor	netaryExpression	22
3	3.5.1	FinancialAmount	
3.6		tnerIdentification	
3	3.6.1	FullPartner	
	3.6.2	IntermittentPartner	
	3.6.3	KnownPartner	
		KnownPartnerContact	

3.6		
3.6	5.6 PartnerDescription	
3.6	5.7 PartnerDescriptionChoice	
	5.8 PartnerIdentification	
3.6	5.9 PartnerIdentificationChoice	
	5.10 SpecifiedFullPartner	
3.6	5.11 SpecifiedIntermittentPartner	
	5.12 SpecifiedKnownPartner	
	5.13 SpecifiedNewPartner	
	ProductIdentification	
•	7.1 ProductIdentification	
	7.2 ProductIdentificationChoice	
3.8	CodeList	
3.8	$\boldsymbol{J}$	
	3.2 CountrySubdivision	
	3.3 Currency	
3.8		
3.8	5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	3.6 MimeTypeQualifier	
	3.7 UnitOfMeasure	
3.8		
	System Structure	
4.1	BusinessProcessIdentifier	
4.2	BusinessServiceInformation	
4.3	ContractInformation	
4.4	CorrelationInformation	
4.5	Document I dentification	
4.6	Document I dentification Chains	
4.7 4.8	DocumentIdentificationChoice	
4.8 4.9	DocumentManifest	
4.10 4.11	DocumentSecurity	
4.11	PipIdentifier	
4.12	PipVersion	
4.13	Receiver	
4.14	RequestingDocumentInformation	
4.15	Sender	
4.10		
4.17		
4.19	VersionIdentifier	
4.19		
	20.1 TPIRFileType	
	KML Data Type	
5. <i>7</i>	anyURI	
5.2	boolean	
5.2	date	
5.4	dateTime	
5.5	double	
5.6	float	
5.7	positiveInteger	
5.7 5.8	strina	75 75

# Table of Figures

Figure 2-1 Interchange	
Figure 2-2 Dependency	7
Figure 2-3 ProductLineItem	
Figure 2-4 Resource	
Figure 2-5 ReturnProductConfirmationNotification	
Figure 2-6 StatusInformation	
Figure 2-7 Dependency	12
Figure 2-8 Dependency	
Figure 2-9 ProductQuantity	
Figure 3-1 ContactInformation	16
Figure 3-2 Contact	17
Figure 3-3 DUNS	
Figure 3-4 DUNSPlus4	17
Figure 3-5 GLN	18
Figure 3-6 GTIN	18
Figure 3-7 BusinessDocumentReference	18
Figure 3-8 AlternativeIdentifier	20
Figure 3-9 Location	
Figure 3-10 PhysicalAddress	21
Figure 3-11 FinancialAmount	22
Figure 3-12 FullPartner	23
Figure 3-13 IntermittentPartner	24
Figure 3-14 KnownPartner	24
Figure 3-15 KnownPartnerContact	25
Figure 3-16 NewPartner	25
Figure 3-17 PartnerDescription	26
Figure 3-18 PartnerIdentification	28
Figure 3-19 SpecifiedFullPartner	29
Figure 3-20 SpecifiedIntermittentPartner	30
Figure 3-21 SpecifiedKnownPartner	30
Figure 3-22 SpecifiedNewPartner	31
Figure 3-23 ProductIdentification	32
Figure 4-1 BusinessProcessIdentifier	63
Figure 4-2 BusinessServiceInformation	63
Figure 4-3 ContractInformation	64
Figure 4-4 CorrelationInformation	64
Figure 4-5 DocumentHeader	65
Figure 4-6 DocumentIdentification	66
Figure 4-7 DocumentInformation	
Figure 4-8 DocumentManifest	67
Figure 4-9 DocumentSecurity	68
Figure 4-10 ManifestItem	68
Figure 4-11 PipIdentifier	69
Figure 4-12 PipVersion	
Figure 4-13 Receiver	70
Figure 4-14 RequestingDocumentInformation	
Figure 4-15 Sender	
Figure 4-16 StandardDocumentIdentification	
Figure 4-17 TpirPipIdentification	
Figure 4-18 VersionIdentifier	
-	

# 1. Document Management

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# 1.4 Acknowledgments

This document has been prepared by RosettaNet (<a href="http://www.rosettanet.org/">http://www.rosettanet.org/</a>) from requirements gathered during the Milestone Program and in conformance with the methodology.

#### 1.5 Related Documents

- Associated PIP Message Schemas (included with PIP Specification only)
- Description of Partner Interface Process for 3C9
- Message Structure

# 1.6 Document Version History

<u>Version</u>	<u>Date</u>	<u>Description</u>
Validated 11.00.00	3 March 2010	Validated Version: MCC Program
Validated 11.01.00	14 July 2015	Updated Version

# 1.7 Document Purpose

The purpose of the document is to explain the structure, the association between objects, the content of objects and the definition for single elements to a non-technical audience.

# 2. Interchange Model

# 2.1 ReturnProductConfirmationNotification

# 2.1.1 Interchange Diagram

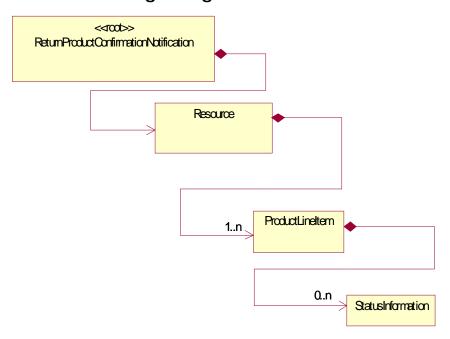


Figure 2-1 Interchange

# 2.1.2 Dependency Diagram

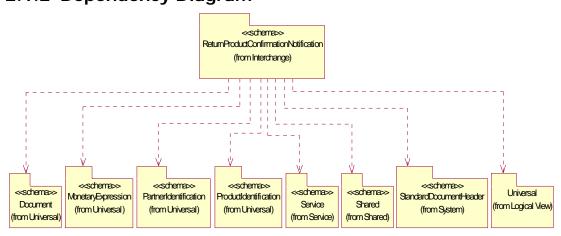


Figure 2-2 Dependency

#### 2.1.3 ProductLineItem

The collection of business properties that describe a business document entry for a product.

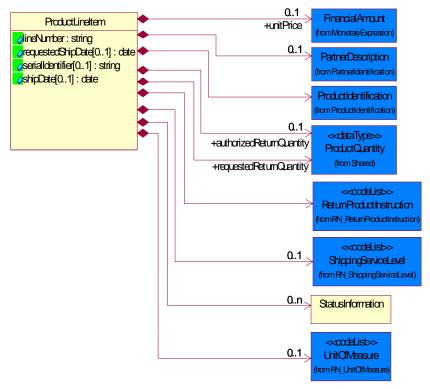


Figure 2-3 ProductLineItem

Attribute	Туре	Documentation
lineNumber	string	Number of the line in the document.
requestedShipDate[01]	date	Date the shipper would like to make shipment or in a response referes to the original date a shipper proposed to ship.
serialIdentifier[01]	string	Unique serial identifier assigned to the product.
shipDate[01]	date	The (GMT) local date the product is shipped.

Composition	Cardinality	Туре	Documentation
UnitOfMeasure	01	UnitOfMeasure	Code identifying a product unit of measure.
ProductIdentificati on	1	ProductIdentification	The object provides the identifier(s) of a product.
StatusInformation	0n	StatusInformation	Data entities that provide additional information on a warranty item.
unitPrice	01	FinancialAmount	Agreed upon sale price for each unit ordered.
ReturnProductInst	1	ReturnProductInstru	Code identifying the

ruction		ction	special instruction of the part that shows the part can be cancelled after order or returned to the manufacturer.
ShippingServiceL evel	01	ShippingServiceLevel	Code identifying the shipping service level, e.g., overnight, same day.
authorizedReturn Quantity	01	ProductQuantity	The number of units of product authorized to be returned to the Original Equipment Manufacturer or Seller.
requestedReturnQ uantity	1	ProductQuantity	The product quantity requested to be returned.
PartnerDescriptio n	01	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.

#### 2.1.4 Resource

The collection of data entities that describe the references to product, product, quanity and cost of the product being returned.

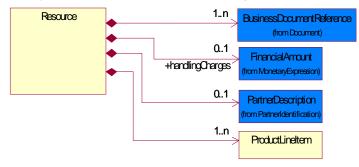


Figure 2-4 Resource

Composition	Cardinality	Туре	Documentation
BusinessDocumen tReference	1n	BusinessDocumentR eference	The business document reference object allows
treference		Cici circo	for the indirect
			referencing of a
			relationship to other
			business related
			documents.
handlingCharges	01	FinancialAmount	The monetary amount to
			be paid for product

			handling for pre-, during and post-transportation.
ProductLineItem	1n	ProductLineItem	The collection of business properties that describe a business document entry for a product.
PartnerDescriptio n	01	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.

#### 2.1.5 ReturnProductConfirmationNotification

A message wrapper for the PIP3C1.

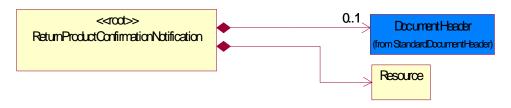


Figure 2-5 ReturnProductConfirmationNotification

Composition	Cardinality	Туре	Documentation
DocumentHeader	01	DocumentHeader	The object allows for the
			identification of the
			sender and receiver of the
			business document.
Resource	1	Resource	The collection of data
			entities that describe the
			references to product,
			product, quanity and cost
			of the product being
			returned.

### 2.1.6 StatusInformation

Data entities that provide additional information on a warranty item.



Figure 2-6 StatusInformation

Attribute	Type	Documentation
warrantyNotes	string	Text that contains information on the status of a unit

under werrenty	
l under warranty.	
and warranty.	

Composition	Cardinality	Туре	Documentation
NotificationCode	1	NotificationCode	Code identifying the
			purpose of a notification
			document.

# 2.2 Domain Model

#### 2.3 Service

# 2.3.1 Dependency Diagram

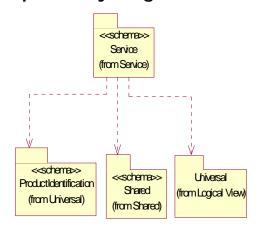


Figure 2-7 Dependency

#### 2.3.2 CodeList

#### 2.3.2.1 NotificationCode

Code identifying the purpose of a notification document.

Name	Documentation
AME	Amendment.
CAN	Cancellation.
ERR	Error.
FIN	Final.
INF	Informational.
INI	Initial.
UPD	Update.
WAR	Warning.

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#### 2.3.2.2 ReturnProductInstruction

Code identifying the special instruction of the part that shows the part can be cancelled after order or returned to the manufacturer.

Name	Documentation
NAV	Not available - Return Product Instruction status is not available.
NCA	Non cancelable - Cancellation is not acceptable once order is placed for a part.
NCN	Non cancelable Non returnable - Both cancellation and return are not acceptable. Almost all specialty parts that are ordered for a particular project and do not have any other commercial value fall in this category.

NON	None - No special instruction. A part can be cancelled after order and can be returned to manufacturer for credit.
NRE	Non returnable - Return is not acceptable after the part is shipped.
RET	Return - Return product regardless of condition.
SAL	Salvage - Strip product of commercial valuable parts and scrap residual or recycle product in accordance with local rules and regulations covering the specific type of product.
SCR	Scrap - Dispose of product in accordance with local rules and regulations covering the specific type of product.

# 2.4 Shared

### 2.4.1 Dependency Diagram

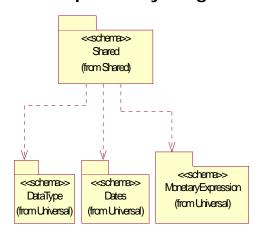


Figure 2-8 Dependency

# 2.4.1.1 ProductQuantity

A quantity specifying the number of product units.

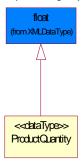


Figure 2-9 ProductQuantity

#### 2.4.2 CodeList

# 2.4.2.1 ShippingServiceLevel

Code identifying the shipping service level, e.g., overnight, same day.

<b>N</b>	D
Name	Documentation
1BD	1BD, Same Business Day - 4 hour Response Time.
5BD	5 Business Days.
9AM	9 A.M.
ACH	Air Charter.
AEC	Air Economy.
AIC	Air Cargo.
AM	A.M.
ARS	Authorized Return Service.
ATA	Airport to Airport.
ATD	Airport to Door.
BCT	Bulk Commodity Train.
BUC	Business Class.
CBS	Consignee Billing Service.
COE	Courier Express.
DCR	Delivery Confirmation Return.
DEC	Delivery Confirmation.
DES	Deferred Service.
DNO	Delivery Notification Only.
DOS	Door Service.
DSN	Delivery scheduled next day by cartage agent.
DSS	Delivery scheduled second day by cartage agent.
DST	Delivery scheduled third day by cartage agent.
DTA	Door to Airport.
DTD	Door to Door.
DTP	Door to Port (Ocean).
ESP	Express Service Plus.
ESV	Expedited Service.
ESW	Expedited Service Worldwide.
EXS	Express Service.
EXW	Express Service - Worldwide.
FIC	First Class.
GEN	General.
GRO	Ground.
ISS	Other intermodal and stack service.
MAF	Manifest freight.
MET	Metro.
MUW	Multiweight.
NBD	Next Business Day.
NDA	Next Day Air.
NEM	Next Morning.
NFO	Next Flight Out.
NHW	Next day Hundred Weight.

·	,
NOR	NORMAL - Normal delivery.
NOS	Not served.
OIS	Other Intermodal and Stack service
OTH	Other.
OVN	Overnight.
PAS	Passenger service.
PIU	Pickup.
PM	PM.
PMI	Priority Mail Insured.
POB	P.O. Box/Zip code.
POD	Proof of Delivery (POD) with Signature.
PRM	Priority Mail.
PRS	Premium Surface.
PS1	Primary Service Area - Next Day by 10:30 A.M.
PS2	Primary Service Area - Next Day by 5:00 P.M.
PS3	Primary Service Area - Next Day By 9:30 A.M.
PS4	Primary Service Area - Next Day by Noon.
PS5	Primary Service Area - Second Day by Noon.
PTD	Port to Door (Ocean).
PTP	Port to Port (Ocean).
REG	Regular.
SAD	Same day.
SAP	Saturday Pickup.
SAT	Saturday.
SBD	SBD, Second Business Day.
SCH	Scheduled.
SDA	Second Day Air.
SDW	Second Day Hundred Weight.
SED	Second Day.
SEM	Second Morning.
SGW	Standard Ground Hundred Weight.
STC	Standard Class.
STG	Standard Ground.
STO	Standard Ocean.
STS	Standard Service.
SUH	Sunday and Holidays.
TDS	Three Day Service.
TIC	Time Critical.
TRG	Tracking - Ground.

# 3. Universal Structure

#### 3.1 ContactInformation

#### 3.1.1 ContactInformation

The business document must allow for the identification of the name of the department, service or individual to be contacted regarding the context of the business document.

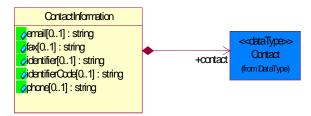


Figure 3-1 ContactInformation

Attribute	Type	Documentation
email[01]	string	The electronic mail for the specified contact.
fax[01]	string	The fax number for the specified contact.
identifier[01]	string	Identifies the role of the contact (i.e. Service
		Technician, Account Manager) in the Business
		Process.
identifierCode[01]	string	IdentifierCode is a unique security authorization
		code to identify the contact- ie. badge ID.
phone[01]	string	The telephone number for the specified contact.

Composition	Cardinality	Туре	Documentation
contact	1	Contact	The name of the department, service or individual to be contacted within the organization.

# 3.2 DataType

#### 3.2.1 Contact

The name of the department, service or individual to be contacted within the organization.

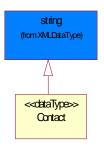


Figure 3-2 Contact

#### 3.2.2 **DUNS**

A number assigned by Dun and Bradstreet to identify a business location.

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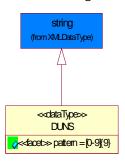


Figure 3-3 DUNS

Attribute	Type	Documentation
pattern		[0-9]{9}

#### 3.2.3 DUNSPlus4

A identifier to specify a specific location within a business location.



Figure 3-4 DUNSPlus4

Attribute	Type	Documentation	
pattern		Data Universal Numbering System +4 (DUNS+4) number	
		means the DUNS number assigned by Dun and Bradstreet,	
		Inc. (D&B) plus an alphanumeric of length 4 suffix that	
		may be assigned by a business concern.	

#### 3.2.4 GLN

Global Location Number (GLN) - A identifier to identify legal entities, trading parties and location.

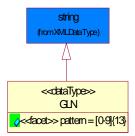


Figure 3-5 GLN

Attribute	Туре	Documentation
pattern		[0-9]{13}

#### 3.2.5 GTIN

Global Trade Identification Number (GTIN).

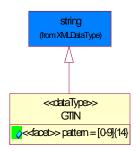


Figure 3-6 GTIN

Attribute	Туре	Documentation
pattern		[0-9]{14}

#### 3.3 Document

#### 3.3.1 BusinessDocumentReference

The business document reference object allows for the indirect referencing of a relationship to other business related documents.

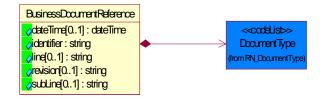


Figure 3-7 BusinessDocumentReference

Attribute	Туре	Documentation
dateTime[01]	dateTime	The date-time stamp indicating on the referenced business document.
identifier	string	Unique identification of the referenced business document.
line[01]	string	References the specific line number of the specified business document.
revision[01]	string	Referenced the revision of the specified business document.
subLine[01]	string	References the specific subline number of the specified business document.

Composition	Cardinality	Туре	Documentation
DocumentType	1	DocumentType	A code identifying the business
			context of a document.

# 3.4 Locations

#### 3.4.1 Alternative I dentifier

Identifies the specified code and the name of the organization that a code is utilized from.

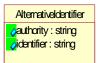


Figure 3-8 Alternative I dentifier

Attribute	Туре	Documentation
authority	string	The name of the organization that a code is utilized from.
identifier	string	The specified code to represent an entity (e.g. product, location, partner, etc.).

#### 3.4.2 Location

The business document must specify a location.

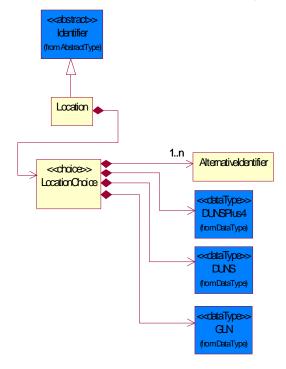


Figure 3-9 Location

Composition	Cardinality	Туре	Documentation
LocationChoice	1	LocationChoice	

#### 3.4.3 LocationChoice

Composition	Cardinality	Туре	Documentation
DUNSPlus4	1	DUNSPlus4	A identifier to specify a specific location within a
			business location.
DUNS	1	DUNS	A number assigned by
			Dun and Bradstreet to
			identify a business
			location.
AlternativeIdentifi	1n	AlternativeIdentifier	Identifies the specified
er			code and the name of the
			organization that a code
			is utilized from.
GLN	1	GLN	Global Location Number
			(GLN) - A identifier to
			identify legal entities,
			trading parties and
			location.

### 3.4.4 Physical Address

The business document must provide a physical address for a party to the business transaction.

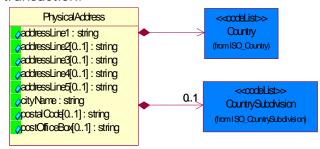


Figure 3-10 Physical Address

Attribute	Туре	Documentation
addressLine1	string	The first line of a physical address.
addressLine2[01]	string	The second line of a physical address.
addressLine3[01]	string	The third line of a physical address.
addressLine4[01]	string	The fourth line of a physical address.
addressLine5[01]	string	The fifth line of a physical address.
cityName	string	The name of a city.
postalCode[01]	string	Identifying geographic location as specified
		by a national postal code.
postOfficeBox[01]	string	The Post Office Box identifier used to
		identify a party's post office box.

Composition	Cardinality	Туре	Documentation
Country	1	Country	For representation of Country name RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard: http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html  If you need more information about the ISO standard please contact
CountrySubdivisio n	01	CountrySubdivision	ISO for more details.  For representation of a Countries subdivisions RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard: <a href="http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html">http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html</a> If you need more information about the ISO standard please contact ISO for more details.

# 3.5 MonetaryExpression

# 3.5.1 FinancialAmount

The business document must express financial amounts.



Figure 3-11 Financial Amount

Attribute	Туре	Documentation
amount	double	Specifies the monetary amount.
identifier[01]	string	Identifier is a unique identifier to which the specific price is tied - ie. promotion name/ program.

Composition	Cardinality	Туре	Documentation
Currency	1	Currency	For representation of Currency codes RosettaNet has adopted ISO 4217; 1995. The British Standards Institution (BSI) is the ISO 4217 Maintenance Agency. Refer to the following web page to get the latest version of the standard: http://www.bsi- global.com/Technical+Inf ormation/Publications/_Pu blications/tig90.xalter
			If you need more information about the ISO standard please contact ISO for more details.

### 3.6 PartnerIdentification

#### 3.6.1 FullPartner

The business document must describe the trading partners in the business transaction. This data structure provide the flexibility to describe a partner in all possible methods as for new, existing or known partner.

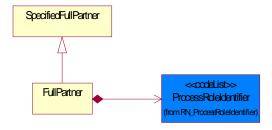


Figure 3-12 FullPartner

Composition	Cardinality	Туре	Documentation
ProcessRoleIdenti fier	1	ProcessRoleIdentifier	Describes the role of the partner in the business process. A partner will fulfill at least one or more roles during the business process.

#### 3.6.2 IntermittentPartner

The business document must describe a physical address for a delivery.

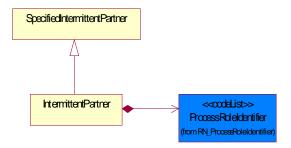


Figure 3-13 IntermittentPartner

Composition	Cardinality	Туре	Documentation
ProcessRoleIdenti fier	1	ProcessRoleIdentifier	Describes the role of the partner in the business process. A partner will fulfill at least one or more roles during the business
			process.

### 3.6.3 KnownPartner

The business document must describe the trading partners in the business transaction.

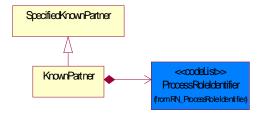


Figure 3-14 KnownPartner

Composition	Cardinality	Туре	Documentation
ProcessRoleIdenti	1	ProcessRoleIdentifier	Describes the role of the
fier			partner in the business
			process. A partner will
			fulfill at least one or more
			roles during the business
			process.

#### 3.6.4 KnownPartnerContact

The business document must describe the trading partners in the business transaction.

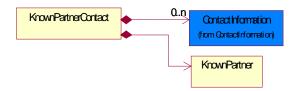


Figure 3-15 KnownPartnerContact

Composition	Cardinality	Туре	Documentation
KnownPartner	1	KnownPartner	The business document
			must describe the trading
			partners in the business
			transaction.
ContactInformatio	0n	ContactInformation	The business document
n			must allow for the
			identification of the name
			of the department,
			service or individual to be
			contacted regarding the
			context of the business
			document.

#### 3.6.5 NewPartner

The business document must describe a new, existing (but known to only one of the parties to the transaction) or an unknown party to the business transaction.

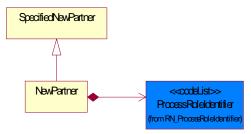


Figure 3-16 NewPartner

Composition	Cardinality	Туре	Documentation
ProcessRoleIdenti	1	ProcessRoleIdentifier	Describes the role of the
fier			partner in the business
			process. A partner will
			fulfill at least one or more
			roles during the business
			process.

#### 3.6.6 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.

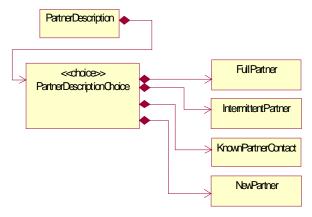


Figure 3-17 PartnerDescription

Composition	Cardinality	Туре	Documentation
PartnerDescriptio	1	PartnerDescriptionCh	
nChoice		oice	

# 3.6.7 PartnerDescriptionChoice

Composition	Cardinality	Туре	Documentation
KnownPartnerCon tact	1	KnownPartnerContact	The business document must describe the trading partners in the business transaction.
IntermittentPartn er	1	IntermittentPartner	The business document must describe a physical address for a delivery.
NewPartner	1	NewPartner	The business document must describe a new, existing (but known to only one of the parties to the transaction) or an unknown party to the business transaction.
FullPartner	1	FullPartner	The business document must describe the trading partners in the business transaction. This data structure provide the flexibility to describe a partner in all possible methods as for new, existing or known

	partner.

#### 3.6.8 PartnerIdentification

The business document must allow for the identity of one or more parties to the transaction.

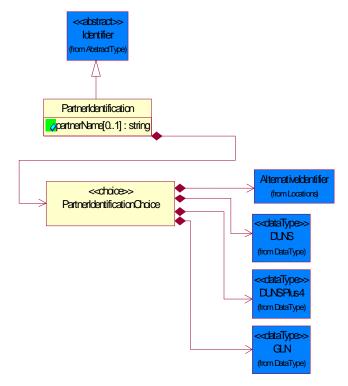


Figure 3-18 Partnerl dentification

Attribute	Туре	Documentation
partnerName[01]	string	The name of the partner's
		company/business.

Composition	Cardinality	Туре	Documentation
PartnerIdentificati	1	PartnerIdentificationC	
onChoice		hoice	

#### 3.6.9 PartnerIdentificationChoice

Composition	Cardinality	Туре	Documentation
AlternativeIdentifi	1	AlternativeIdentifier	Identifies the specified
er			code and the name of the
			organization that a code
			is utilized from.
DUNS	1	DUNS	A number assigned by
			Dun and Bradstreet to
			identify a business
			location.
DUNSPlus4	1	DUNSPlus4	A identifier to specify a

			specific location within a business location.
GLN	1	GLN	Global Location Number (GLN) - A identifier to identify legal entities, trading parties and location.

# 3.6.10 SpecifiedFullPartner

The business document must describe the trading partners in the business transaction. This data structure provide the flexibility to describe a partner in all possible methods as for new, existing or known partner. This is specifically for partner who role has been specified.

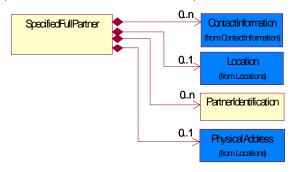


Figure 3-19 SpecifiedFullPartner

Composition	Cardinality	Туре	Documentation
ContactInformatio n	0n	ContactInformation	The business document must allow for the identification of the name of the department, service or individual to be contacted regarding the context of the business document.
Location	01	Location	The business document must specify a location.
PartnerIdentificati on	0n	PartnerIdentification	The business document must allow for the identity of one or more parties to the transaction.
PhysicalAddress	01	PhysicalAddress	The business document must provide a physical address for a party to the business transaction.

# 3.6.11 SpecifiedIntermittentPartner

The business document must describe a physical address for a delivery.

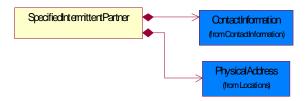


Figure 3-20 SpecifiedIntermittentPartner

Composition	Cardinality	Туре	Documentation
ContactInformatio	1	ContactInformation	The business document
n			must allow for the
			identification of the name
			of the department,
			service or individual to be
			contacted regarding the
			context of the business
			document.
PhysicalAddress	1	PhysicalAddress	The business document
			must provide a physical
			address for a party to the
			business transaction.

# 3.6.12 SpecifiedKnownPartner

The business document must describe the trading partners in the business transaction.

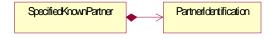


Figure 3-21 SpecifiedKnownPartner

Composition	Cardinality	Туре	Documentation
PartnerIdentificati	1	PartnerIdentification	The business document
on			must allow for the identity
			of one or more parties to
			the transaction.

# 3.6.13 SpecifiedNewPartner

The business document must describe a new, existing (but known to only one of the parties to the transaction) or an unknown party to the business transaction.

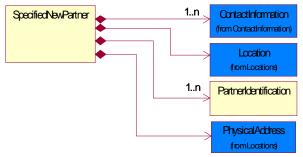


Figure 3-22 SpecifiedNewPartner

Composition	Cardinality	Туре	Documentation
ContactInformatio n	1n	ContactInformation	The business document must allow for the identification of the name of the department, service or individual to be contacted regarding the context of the business
I a sakta a	4	1 1	document.
Location	1	Location	The business document must specify a location.
PhysicalAddress	1	PhysicalAddress	The business document must provide a physical address for a party to the business transaction.
PartnerIdentificati on	1n	PartnerIdentification	The business document must allow for the identity of one or more parties to the transaction.

# 3.7 ProductIdentification

#### 3.7.1 ProductIdentification

The object provides the identifier(s) of a product.

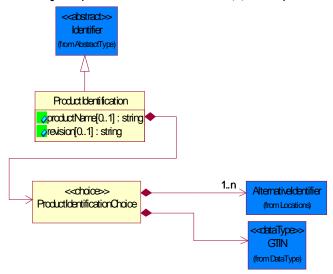


Figure 3-23 ProductI dentification

Attribute	Туре	Documentation
productName[01]	string	The name of the product.
revision[01]	string	Referenced the specified product revision.

Composition	Cardinality	Туре	Documentation
ProductIdentificati	1	ProductIdentificationC	
onChoice		hoice	

#### 3.7.2 ProductIdentificationChoice

Composition	Cardinality	Туре	Documentation
AlternativeIdentifi	1n	AlternativeIdentifier	Identifies the specified
er			code and the name of the
			organization that a code
			is utilized from.
GTIN	1	GTIN	Global Trade Identification
			Number (GTIN).

# 3.8 CodeList

#### **3.8.1 Country**

For representation of Country name RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard:

http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html

If you need more information about the ISO standard please contact ISO for more details.

#### 3.8.2 CountrySubdivision

For representation of a Countries subdivisions RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard: <a href="http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html">http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html</a>

If you need more information about the ISO standard please contact ISO for more details.

#### 3.8.3 Currency

For representation of Currency codes RosettaNet has adopted ISO 4217; 1995. The British Standards Institution (BSI) is the ISO 4217 Maintenance Agency. Refer to the following web page to get the latest version of the standard:

http://www.bsi-

global.com/Technical+Information/Publications/\_Publications/tig90.xalter

If you need more information about the ISO standard please contact ISO for more details.

#### 3.8.4 Language

For representation of Language name RosettaNet has adopted ISO 639-2; 1998. Refer to the following web page to get the latest version of the standard:

http://www.loc.gov/standards/iso639-2/iso639jac.html

If you need more information about the ISO standard please contact ISO for more details.

#### 3.8.5 DocumentType

A code identifying the business context of a document.

Instance	Documentation
APM	Applied Promotions.
ARA	Authorization Request Approval.
CAR	Certificate of Analysis Response.
CBN	Product batch number of customer.
CCN	Customs clearance number.
CFA	Failure Analysis - Request document that will accompany the product
	providing characteristics of the component failure.
CIN	Commercial Invoice.
CNM	Traditional credit note or memo.
COA	Certificate of Analysis.
CON	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
COS	virtual trading partners.  Consumption Notice.
COT	Contract.
CRN	Unique consumption reference number identifying the product consumption issue i.e. one-to-one relationship with physical flow.
DEM	Traditional debit note or memo.
DEN	Delivery Note.
DIN	Discontinuation Notice.
DOR	
DRN	Delivery Order.
	Drawing Number.
DRR	Design Registration Request.
ECO	Engineering Change Order - The proprietary unique identification
EDD	number that represents an engineering change order.  Export Declaration Document.
EIR	Engineering Information Request.  End of Life.
EOL	
FUO	Sales order or transfer order fulfilling demand out of a facility
IDD	(outbound shipment).
	Import Declaration Document.
INV	Invoice.
LID	Location Identifier. Data for on-site work that have to be done on the
MEN	machine (associated with preventive maintenance order).
MID	Master Event Number.  Machine Identifier. Data for on-site work that have to be done on the
IVIID	machine (associated with preventive maintenance order).
MON	Model Number.
NTS	Notes.
OCL	
OGA	The unique identifier assigned by the OEM for a warranty claim.
	Other governmental agency issued document.
OPO	The unique identifier assigned by the OEM for a part order.
OPR PCN	The unique identifier assigned by the OEM for a part return.
	Product/Process Change.
PFA	Failure Analysis - Request document that will accompany the product
DII	providing characteristics of the product failure.
PH	Refers to previously issued invoice.
PLS	Unique number that identifies packing form prior to shipment.
POI	Purchase Order IN.
PON	Production order number for material release.
POO	Purchase Order OUT.
PRC	Product Catalog.
PSI	Refers to previously issued self-billing invoice.
PUO	Purchase Order.
QUO	Quote.
REC	Document identifying the receipt of materials or products into a facility
	against a purchase order or transfer order (inbound shipment).
REN	Release Number.
REO	Purchase order or transfer order replenishing inventory into a facility
	(inbound shipment).

REQ	Requisition.
RMA	Returned Material Authorization.
RPO	Purchase order for materials or product returned to and reworked by a supplier.
RTA	Remittance Advice - Remittance details.
SAO	Sales Order.
SBC	Credit Memo used in self-billing scenario.
SBD	Debit Memo used in self-billing scenario.
SBI	Invoice in self billing scenario.
SBN	Product batch number of supplier.
SCA	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.
SEN	Serial Number.
SEO	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.
SHD	Shipping Document.
SNC	Shipset Number on Code List.
SPC	The unique identifier assigned by the ASP for a warranty claim.
SPN	Spec Number.
SPO	The unique identifier assigned by the ASP for a part order.
SPR	The unique identifier assigned by the ASP for a part return.
SPW	The unique identifier assigned by the ASP to reference a work order.
SRI	A document that contains the shipping reference number which allows the product to be tracked within the outsourced logistic providers network.
SWT	Switch Authorization.
TCS	Terms and Conditions.
TRO	Order which results in materials or products being moved from one facility to another (outbound shipment and inbound shipment).
WAB	Waybill.
WAC	Denotes a warranty claim.
WOO	Work Order.

# 3.8.6 MimeTypeQualifier

The MIME type as defined by IANA.

Please refer to <a href="http://www.iana.org/assignments/media-types/">http://www.iana.org/assignments/media-types/</a> for a list of types.

Instance	Documentation	
application/activemessage	[Shapiro]	
application/andrew-inset	[Borenstein]	
application/applefile	[Faltstrom]	
application/atomicmail	[Borenstein]	
application/batch-SMTP	[RFC2442]	
application/beep+xml	[RFC3080]	
application/cals-1840	[RFC1895]	
application/cnrp+xml	[RFCCNRP]	
application/commonground	[Glazer]	

<b>-</b>	
application/cpl+xml	
application/cybercash	[Eastlake]
application/dca-rft	[Campbell]
application/dec-dx	[Campbell]
application/dicom	[RFC3240]
application/dvcs	[RFC3029]
application/EDI-Consent	[RFC1767]
application/EDIFACT	[RFC1767]
application/EDI-X12	[RFC1767]
application/eshop	[Katz]
application/font-tdpfr	[RFC3073]
application/http	[RFC2616]
application/hyperstudio	[Domino]
application/iges	[Parks]
application/index	[RFC2652]
application/index.cmd	[RFC2652]
application/index.obj	[RFC2652]
application/index.response	[RFC2652]
application/index.vnd	[RFC2652]
application/iotp	[RFC2935]
application/ipp	[RFC2910]
application/isup	[RFC3204]
application/mac-binhex40	[Faltstrom]
application/macwriteii	[Lindner]
application/marc	[RFC2220]
application/mathematica	[Van Nostern]
application/msword	[Lindner]
application/news-message-id	[RFC1036,Spencer]
application/news-transmission	[RFC1036, Spencer]
application/ocsp-request	[RFC2560]
application/ocsp-response	[RFC2560]
application/octst-response	[RFC2045,RFC2046]
application/octet-stream	[RFC2045,RFC2046]
application/ogg	[RFC-walleij-ogg-mediatype-08.txt]
application/pagityfec	[RFC3009]
application/pdf	[Lindner]
application/pdi application/pgp-encrypted	[RFC3156]
application/pgp-encrypted application/pgp-keys	[RFC3156]
application/pgp-keys application/pgp-signature	[RFC3156]
application/pgp-signature application/pkcs10	[RFC3156]
application/pkcs7-mime	[RFC2311]
application/pkcs7-signature	[RFC2311]
application/pkix-cert	[RFC2585]
application/pkixcmp	[RFC2510]
application/pkix-crl	[RFC2585]
application/postscript	[RFC2045,RFC2046]
application/prs.alvestrand.titrax-sheet	[Alvestrand]
application/prs.cww	[Rungchavalnont]
application/prs.nprend	[Doggett]
application/prs.plucker	[Janssen]

application/qsig	[RFC3204]	
application/reginfo+xml	[RFC-ietf-sipping-reg-event-00.txt]	
application/remote-printing	[RFC1486,Rose]	
application/riscos	[Smith]	
application/rtf	[Lindner]	
application/sdp	[RFC2327]	
application/set-payment	[Korver]	
application/set-payment-initiation	[Korver]	
application/set-registration	[Korver]	
application/set-registration-initiation	[Korver]	
application/sgml	[RFC1874]	
application/sgml-open-catalog	[Grosso]	
application/sieve	[RFC3028]	
application/slate	[Crowley]	
application/timestamp-query	[RFC3161]	
application/timestamp-reply	[RFC3161]	
application/tve-trigger	[Welsh]	
application/vemmi	[RFC2122]	
application/vnd.3gpp.pic-bw-large	[Meredith]	
application/vnd.3gpp.pic-bw-small	[Meredith]	
application/vnd.3gpp.pic-bw-var	[Meredith]	
application/vnd.3gpp.sms	[Meredith]	
application/vnd.3M.Post-it-Notes	[O'Brien]	
application/vnd.accpac.simply.aso	[Leow]	
application/vnd.accpac.simply.imp	[Leow]	
application/vnd.acucobol	[Lubin]	
application/vnd.acucorp	[Lubin]	
application/vnd.adobe.xfdf	[Perelman]	
application/vnd.aether.imp	[Moskowitz]	
application/vnd.amiga.ami	[Blumberg]	
application/vnd.anser-web-certificate-	[Mori]	
issue-initiation		
application/vnd.anser-web-funds-transfer-	[Mori]	
initiation		
application/vnd.audiograph	[Slusanschi]	
application/vnd.blueice.multipass	[Holmstrom]	
application/vnd.bmi	[Gotoh]	
application/vnd.businessobjects	[Imoucha]	
application/vnd.canon-cpdl	[Muto]	
application/vnd.canon-lips	[Muto]	
application/vnd.cinderella	[Kortenkamp]	
application/vnd.claymore	[Simpson]	
application/vnd.commerce-battelle	[Applebaum]	
application/vnd.commonspace	[Chandhok]	
application/vnd.contact.cmsg	[Patz]	
application/vnd.cosmocaller	[Dellutri]	
application/vnd.ctc-posml	[Kohlhepp]	
application/vnd.cups-postscript	[Sweet]	
application/vnd.cups-raster	[Sweet]	
application/vnd.cups-raw	[Sweet]	

application/vnd.curl	[Byrnes]	
application/vnd.cybank	[Helmee]	
application/vnd.data-vision.rdz	[Fields]	
application/vnd.dna	[Searcy]	
application/vnd.dpgraph	[Parker]	
application/vnd.dreamfactory	[Appleton]	
application/vnd.dxr	[Duffy]	
application/vnd.ecdis-update	[Buettgenbach]	
application/vnd.ecowin.chart	[Olsson]	
application/vnd.ecowin.filerequest	[Olsson]	
application/vnd.ecowin.fileupdate	[Olsson]	
application/vnd.ecowin.series	[Olsson]	
application/vnd.ecowin.seriesrequest	[Olsson]	
application/vnd.ecowin.seriesupdate	[Olsson]	
application/vnd.enliven	[Santinelli]	
application/vnd.epson.esf	[Hoshina]	
application/vnd.epson.msf	[Hoshina]	
application/vnd.epson.quickanime	[Gu]	
application/vnd.epson.salt	[Nagatomo]	
application/vnd.epson.ssf	[Hoshina]	
application/vnd.ericsson.quickcall	[Tidwell]	
application/vnd.eudora.data	[Resnick]	
application/vnd.fdf	[Zilles]	
application/vnd.ffsns	[Holstage]	
application/vnd.FloGraphIt	[Floersch]	
application/vnd.framemaker	[Wexler]	
application/vnd.fsc.weblaunch	[D.Smith]	
application/vnd.fujitsu.oasys	[Togashi]	
application/vnd.fujitsu.oasys2	[Togashi]	
application/vnd.fujitsu.oasys3	[Okudaira]	
application/vnd.fujitsu.oasysgp	[Sugimoto]	
application/vnd.fujitsu.oasysprs	[Ogita]	
application/vnd.fujixerox.ddd	[Onda]	
application/vnd.fujixerox.docuworks	[Taguchi]	
application/vnd.fujixerox.docuworks.binde	[Matsumoto]	
r	TO 1	
application/vnd.fut-misnet	[Pruulmann]	
application/vnd.grafeq	[Tupper]	
application/vnd.groove-account	[Joseph]	
application/vnd.groove-help	[Joseph]	
application/vnd.groove-identity-message	[Joseph]	
application/vnd.groove-injector	[Joseph]	
application/vnd.groove-tool-message	[Joseph]	
application/vnd.groove-tool-template	[Joseph]	
application/vnd.groove-vcard	[Joseph]	
application/vnd.hbci	[Hammann]	
application/vnd.hhe.lesson-player	[Jones]	
application/vnd.hp-HPGL	[Pentecost]	
application/vnd.hp-hpid	[Gupta]	
application/vnd.hp-hps	[Aubrey]	

_	
application/vnd.hp-PCL	[Pentecost]
application/vnd.hp-PCLXL [Pentecost]	
application/vnd.httphone	[Lefevre]
application/vnd.hzn-3d-crossword	[Minnis]
application/vnd.ibm.afplinedata	[Buis]
application/vnd.ibm.electronic-media	[Tantlinger]
application/vnd.ibm.MiniPay	[Herzberg]
application/vnd.ibm.modcap	[Hohensee]
application/vnd.ibm.secure-container	[Tantlinger]
application/vnd.informix-visionary	[Gales]
application/vnd.intercon.formnet	[Gurak]
application/vnd.intertrust.digibox	[Tomasello]
application/vnd.intertrust.nncp	[Tomasello]
application/vnd.intu.qbo	[Scratchley]
application/vnd.intu.qfx	[Scratchley]
application/vnd.irepository.package+xml	[Knowles]
application/vnd.is-xpr	[Natarajan]
application/vnd.japannet-directory-service	[Fujii]
application/vnd.japannet-jpnstore-wakeup	[Yoshitake]
application/vnd.japannet-payment-	[Fujii]
wakeup	
application/vnd.japannet-registration	[Yoshitake]
application/vnd.japannet-registration-	[Fujii]
wakeup	
application/vnd.japannet-setstore-wakeup	[Yoshitake]
application/vnd.japannet-verification	[Yoshitake]
application/vnd.japannet-verification- [Fujii]	
wakeup	
application/vnd.jisp	[Deckers]
application/vnd.kde.karbon	[Faure]
application/vnd.kde.kchart	[Faure]
application/vnd.kde.kformula	[Faure]
application/vnd.kde.kivio	[Faure]
application/vnd.kde.kontour	[Faure]
application/vnd.kde.kpresenter	[Faure]
application/vnd.kde.kspread	[Faure]
application/vnd.kde.kword	[Faure]
application/vnd.kenameaapp	[DiGiorgio-Haag]
application/vnd.koan	[Cole]
application/vnd.liberty-request+xml	[McDowell]
application/vnd.llamagraphics.life-	[White]
balance.desktop	
application/vnd.lotus-1-2-3	[Wattenberger]
application/vnd.lotus-approach	[Wattenberger]
application/vnd.lotus-freelance	[Wattenberger]
application/vnd.lotus-notes	[Laramie]
application/vnd.lotus-organizer	[Wattenberger]
application/vnd.lotus-screencam	[Wattenberger]
application/vnd.lotus-wordpro	[Wattenberger]
application/vnd.mcd	[Gotoh]

1	_
application/vnd.mediastation.cdkey	[Flurry]
application/vnd.meridian-slingshot	[Wedel]
application/vnd.micrografx.flo	[Prevo]
application/vnd.micrografx.igx	[Prevo]
application/vnd.mif	[Wexler]
application/vnd.minisoft-hp3000-save	[Bartram]
application/vnd.mitsubishi.misty-	[Tanaka]
guard.trustweb	
application/vnd.Mobius.DAF	[Kabayama]
application/vnd.Mobius.DIS	[Kabayama]
application/vnd.Mobius.MBK	[Devasia]
application/vnd.Mobius.MQY	[Devasia]
application/vnd.Mobius.MSL	[Kabayama]
application/vnd.Mobius.PLC	[Kabayama]
application/vnd.Mobius.TXF	[Kabayama]
application/vnd.mophun.application	[Wennerstrom]
application/vnd.mophun.certificate	[Wennerstrom]
application/vnd.motorola.flexsuite	[Patton]
application/vnd.motorola.flexsuite.adsi	[Patton]
application/vnd.motorola.flexsuite.fis	[Patton]
application/vnd.motorola.flexsuite.gotap	[Patton]
application/vnd.motorola.flexsuite.kmr	[Patton]
application/vnd.motorola.flexsuite.ttc	[Patton]
application/vnd.motorola.flexsuite.wem	[Patton]
application/vnd.mozilla.xul+xml	[McDaniel]
application/vnd.ms-artgalry	[Slawson]
application/vnd.ms-asf	[Fleischman]
application/vnd.mseq	[Le Bodic]
application/vnd.ms-excel	[Gill]
application/vnd.msign	[Borcherding]
application/vnd.ms-lrm	[Ledoux]
application/vnd.ms-powerpoint	[Gill]
application/vnd.ms-project	[Gill]
application/vnd.ms-tnef	[Gill]
application/vnd.ms-works	[Gill]
application/vnd.ms-wpl	[Plastina]
application/vnd.musician	[Adams]
application/vnd.music-niff	[Butler]
application/vnd.netfpx	[Mutz]
application/vnd.noblenet-directory	[Solomon]
application/vnd.noblenet-sealer	[Solomon]
application/vnd.noblenet-web	[Solomon]
application/vnd.novadigm.EDM	[Swenson]
application/vnd.novadigm.EDX	[Swenson]
application/vnd.novadigm.EXT	[Swenson]
application/vnd.obn	[Hessling]
application/vnd.osa.netdeploy	[Klos]
application/vnd.palm	[Peacock]
application/vnd.pg.format	[Gandert]
application/vnd.pg.osasli	[Gandert]
application, vila.pg.030311	[Candott]

application/vnd.powerbuilder6	[Guy]
application/vnd.powerbuilder6-s	[Guy]
application/vnd.powerbuilder7	[Shilts]
application/vnd.powerbuilder75	[Shilts]
application/vnd.powerbuilder75-s	[Shilts]
application/vnd.powerbuilder7-s	[Shilts]
application/vnd.previewsystems.box	[Smolgovsky]
application/vnd.publishare-delta-tree	[Ben-Kiki]
application/vnd.pvi.ptid1	[Lamb]
application/vnd.pwg-multiplexed	[RFC3391]
application/vnd.pwg-xhtml-print+xml	[Wright]
application/vnd.Quark.QuarkXPress	[Scheidler]
application/vnd.rapid	[Szekely]
application/vnd.s3sms	[Tarkkala]
application/vnd.sealed.net	[Lambert]
application/vnd.seemail	[Webb]
application/vnd.shana.informed.formdata	[Selzler]
application/vnd.shana.informed.formtemp	[Selzler]
late	
application/vnd.shana.informed.interchan	[Selzler]
ge	
application/vnd.shana.informed.package	[Selzler]
application/vnd.smaf	[Takahashi]
application/vnd.sss-cod	[Dani]
application/vnd.sss-dtf	[Bruno]
application/vnd.sss-ntf	[Bruno]
application/vnd.street-stream	[Levitt]
application/vnd.svd	[Becker]
application/vnd.swiftview-ics	[Widener]
application/vnd.triscape.mxs	[Simonoff]
application/vnd.trueapp	[Hepler]
application/vnd.truedoc	[Chase]
application/vnd.ufdl	[Manning]
application/vnd.uplanet.alert	[Martin]
application/vnd.uplanet.alert-wbxml	[Martin]
application/vnd.uplanet.bearer-choice	[Martin]
application/vnd.uplanet.bearer-choice- wbxml	[Martin]
application/vnd.uplanet.cacheop	[Martin]
application/vnd.uplanet.cacheop-wbxml	[Martin]
application/vnd.uplanet.cacheop-woxini	[Martin]
application/vnd.uplanet.channel-wbxml	[Martin]
application/vnd.uplanet.charmer-wbxmi	[Martin]
application/vnd.uplanet.list application/vnd.uplanet.listcmd	[Martin]
application/vnd.uplanet.listcmd-wbxml	[Martin]
application/vnd.uplanet.list-wbxml	[Martin]
application/vnd.uplanet.iist-wbxmi application/vnd.uplanet.signal	[Martin]
application/vnd.upianet.signal	[T.Sugimoto]
application/vnd.vcx application/vnd.vectorworks	[Pharr]
application/vnd.vidsoft.vidconference	[Hess]

application/vnd.visio	[Sandal]	
application/vnd.visionary	[Aravindakumar]	
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application/vnd.vsf	[Rowe]	
application/vnd.wap.sic	[WAP-Forum]	
application/vnd.wap.slc	[WAP-Forum]	
application/vnd.wap.wbxml	[Stark]	
application/vnd.wap.wmlc	[Stark]	
application/vnd.wap.wmlscriptc	[Stark]	
application/vnd.webturbo	[Rehem]	
application/vnd.wrq-hp3000-labelled	[Bartram]	
application/vnd.wt.stf	[Wohler]	
application/vnd.wv.csp+wbxml	[Salmi]	
application/vnd.xara	[Matthewman]	
application/vnd.xfdl	[Manning]	
application/vnd.yellowriver-custom-menu	[Yellow]	
application/whoispp-query	[RFC2957]	
application/whoispp-response	[RFC2958]	
application/wita	[Campbell]	
application/wordperfect5.1	[Lindner]	
application/x400-bp	[RFC1494]	
application/xhtml+xml	[RFC3236]	
application/xml	[RFC3023]	
application/xml-dtd	[RFC3023]	
application/xml-external-parsed-entity	[RFC3023]	
application/zip	[Lindner]	
audio/32kadpcm	[RFC2421,RFC2422]	
audio/AMR	[RFC3267]	
audio/AMR-WB	[RFC3267]	
audio/basic	[RFC2045,RFC2046]	
audio/CN	[RFC3389]	
audio/DAT12	[RFC3190]	
audio/DVI4		
audio/EVRC	[RFC-ietf-avt-evrc-smv-03.txt]	
audio/EVRC0	[RFC-ietf-avt-evrc-smv-03.txt]	
audio/G.722.1	[RFC3047]	
audio/G722	[ oso]	
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audio/G726-16		
audio/G726-24		
audio/G726-32		
audio/G726-40		
audio/G728		
audio/G729		
audio/G729D		
audio/G729E		
audio/GSM		
audio/GSM-EFR		
audio/L16	[RFC2586]	
audio/L20	[RFC3190]	

audio/L24	[RFC3190]
audio/L8	
audio/LPC	
audio/MP4A-LATM	[RFC3016]
audio/MPA	
audio/mpa-robust	[RFC3119]
audio/mpeg	[RFC3003]
audio/parityfec	[RFC3009]
audio/PCMA	
audio/PCMU	
audio/prs.sid	[Walleij]
audio/QCELP	
audio/RED	
audio/SMV	[RFC-ietf-avt-evrc-smv-03.txt]
audio/SMV0	[RFC-ietf-avt-evrc-smv-03.txt]
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audio/tone	[RFC2833]
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audio/vnd.cisco.nse	[Kumar]
audio/vnd.cns.anp1	[McLaughlin]
audio/vnd.cns.inf1	[McLaughlin]
audio/vnd.digital-winds	[Strazds]
audio/vnd.everad.plj	[Cicelsky]
audio/vnd.lucent.voice	[Vaudreuil]
audio/vnd.nortel.vbk [Parsons]	
audio/vnd.nuera.ecelp4800	[Fox]
audio/vnd.nuera.ecelp7470	[Fox]
audio/vnd.nuera.ecelp9600	[Fox]
audio/vnd.octel.sbc	[Vaudreuil]
audio/vnd.qcelp	[Lundblade]
audio/vnd.rhetorex.32kadpcm	[Vaudreuil]
audio/vnd.vmx.cvsd	[Vaudreuil]
image/cgm	Computer Graphics Metafile
image/g3fax	[RFC1494]
image/gif	[RFC2045,RFC2046]
image/ief	[RFC1314] Image Exchange Format
image/jpeg	[RFC2045,RFC2046]
image/naplps	[Ferber]
image/png	[Randers-Pehrson]
image/prs.btif	[Simon]
image/prs.pti	[Laun]
image/t38	[RFC3362]
image/tiff	[RFC3302] Tag Image File Format
image/tiff image/tiff-fx	[RFC3250] Tag Image File Format Fax
inagoran ix	eXtended
image/vnd.cns.inf2	[McLaughlin]
image/vnd.djvu	[Bottou]
image/vnd.dwg	[Moline]
image/vnd.dxf	[Moline]
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image/vnd.fastbidsheet	[Becker]
image/vnd.fpx	[Spencer]
image/vnd.fst	[Fuldseth]
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image/vnd.fujixerox.edmics-rlc	[Onda]
image/vnd.globalgraphics.pgb	[Bailey]
image/vnd.mix	[Reddy]
image/vnd.ms-modi	[Vaughan]
image/vnd.net-fpx	[Spencer]
image/vnd.svf	[Moline]
image/vnd.wap.wbmp	[Stark]
image/vnd.xiff	[S.Martin]
message/delivery-status	[RFC1894]
message/disposition-notification	[RFC2298]
message/external-body	[RFC2045,RFC2046]
message/http	[RFC2616]
message/news	[RFC 1036, H.Spencer]
message/partial	[RFC2045,RFC2046]
message/rfc822	[RFC2045,RFC2046]
message/s-http	[RFC2660]
message/sip	[RFC3261]
message/sipfrag	[RFC3420]
model/iges	[Parks]
model/mesh	[RFC2077]
model/vnd.dwf	[Pratt]
model/vnd.flatland.3dml	[Powers]
model/vnd.gdl	[Babits]
model/vnd.gs-gdl	[Babits]
model/vnd.gtw	[Ozaki]
model/vnd.mts	[Rabinovitch]
model/vnd.parasolid.transmit.binary	[Parasolid]
model/vnd.parasolid.transmit.text	[Parasolid]
model/vnd.vtu	[Rabinovitch]
model/vrml	[RFC2077]
multipart/alternative	[RFC2045,RFC2046]
multipart/appledouble	[Faltstrom]
multipart/byteranges	[RFC2068]
multipart/digest	[RFC2045,RFC2046]
multipart/encrypted	[RFC1847]
multipart/form-data	[RFC2388]
multipart/header-set	[Crocker]
multipart/mixed	[RFC2045,RFC2046]
multipart/parallel	[RFC2045,RFC2046]
multipart/related	[RFC2387]
multipart/report	[RFC1892]
multipart/signed	[RFC1847]
multipart/voice-message	[RFC1647]
text/calendar	[RFC2421,RFC2423]
text/caleridal	[RFC2445]
text/css text/directory	[RFC2425]
text/ullectory	[NI 02420]

text/enriched	[RFC1896]
text/html	[RFC2854]
text/parityfec	[RFC3009]
text/plain	[RFC2646,RFC2046]
text/prs.lines.tag	[Lines]
text/rfc822-headers	[RFC1892]
text/richtext	[RFC2045,RFC2046]
text/rtf	[Lindner]
text/sgml	[RFC1874]
text/t140	[RFC2793]
text/tab-separated-values	[Lindner]
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text/vnd.DMClientScript	[Bradley]
text/vnd.fly	[Gurney]
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text/vnd.in3d.spot	[Powers]
text/vnd.IPTC.NewsML	[IPTC]
text/vnd.IPTC.NITF	[IPTC]
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d	[XIIO]
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text/vnd.wap.sl	[WAP-Forum]
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text/vnd.wap.wmlscript	[Stark]
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text/xml-external-parsed-entity	[RFC3023]
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video/BT656	
video/CelB	
video/DV	[RFC3189]
video/H261	
video/H263	
video/H263-1998	
video/H263-2000	
video/JPEG	
video/MP1S	
video/MP2P	
video/MP2T	
video/MP4V-ES	[RFC3016]
video/mpeg	[RFC2045,RFC2046]
video/MPV	
video/nv	
video/parityfec	[RFC3009]

video/pointer	[RFC2862]
video/quicktime	[Lindner]
video/SMPTE292M	[RFC-avt-smpte292-video-08.txt]
video/vnd.fvt	[Fuldseth]
video/vnd.motorola.video	[McGinty]
video/vnd.motorola.videop [McGinty]	
video/vnd.mpegurl	[Recktenwald]
video/vnd.nokia.interleaved-multimedia	[Kangaslampi]
video/vnd.objectvideo	[Clark]
video/vnd.vivo	[Wolfe]

## 3.8.7 UnitOfMeasure

Code identifying a product unit of measure.

Instance	Documentation
10P	10-pack.
1BF	100 Board Feet.
1FC	20 Foot Container.
1GR	Gram/Cubic Centimeter.
1GT	10,000 Gallon Tankcar.
1KB	25 Kilogram Bulk Bag.
1KD	10 Kilogram Drum.
1KP	1000-pack.
1M2	1/Square Meter (1/M2).
1PA	20-Pack.
1PB	50 Pound Bag.
1PD	100 Pound Drum.
1PM	1/minute (1/min).
22S	Square Millimeter/Second (mm2/s).
2FC	40 Foot Container.
2GR	Gram/square meter.
2GT	20,000 Gallon Tankcar.
2KB	300 Kilogram Bulk Bag.
2KD	15 Kilogram Drum.
2PA	100-Pack.
3GR	Grams Per 100 Centimeters.
3KB	500 Kilogram Bulk Bag.
3KD	55 Gallon Drum.
3MH	Cubic Millimeters/Hour (mm3/hour).
4GR	Grams Per 100 Grams.
4KD	115 Kilogram Drum.
50P	50-pack.
5GR	Grams Per Cubic Centimeter.
6GR	Grams Per Square Centimeter.
7GR	Grams Per Square Meter.
ABC	Absorbance per centimeter (Absorbance per cm).
ABU	Absorbance per Unit (absorbance per unit).
ACC	Atoms per Cubic Centimeters (atoms per cu cm).
ACR	Acre.

ACS	Acidic strength/concentration.
ACT	Actual Pounds.
ACU	Activity unit (Activ.unit).
ALU	Aluminum Pounds Only.
AM1	Ampoule.
AMN	Ångstroms/Minute (Ångst/min).
AMP	Ampere.
ANG	Angstrom (A).
APB	Atomic Parts per Billion (atomic ppb).
APG	API Specific Gravity (API Grav).
APM	Atomic Parts per Million (atomic ppm).
APT	Atomic Parts per Trillion (atomic ppt).
APU	APHA Units (apha).
ASC	Atoms per Square Centimeters (atoms per sq cm).
ASM	Angstrom.
ASY	Assembly (ASY).
ATG	Atmospheric gauge.
ATM	Atmosphere absolute.
ATP	Atomic %.
ATY	Activity.
BAB	Base Box.
BAC	Batch.
BAE	Bale.
BAG	Bag.
BAL	Ball.
BAN	Band.
BAP	Batting Pound.
BAR	Bar.
BAS	Basket.
BAT	Batt.
BAW	Base Weight.
BEA	Beam.
BEC	Becquerel/kilogram.
BEL	Belt.
BHP	Brake HP.
BIL	Billet.
BIN	Bin.
BIT	Bit.
BKC	Bulk Car Load.
BLN	Balance.
BLO	Block.
BOA	Board.
BOF	Board Feet.
BOL	Bolt.
BOT	Bottle.
BOX	Box.
BRB	Bar absolute.
BRD	Barrels Per Day.
BRE	Barrel.
BRI	Barrel (Imperial).
ואם	barrer (Imperial).

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BRM	Barrels Per Minute.
BTF	British Thermal Units (BTUs) Per Cubic Foot.
BTP	British Thermal Units (BTUs) Per Pound.
BTU	British Thermal Unit (BTU).
BUB	Bubbler.
BUC	Bucket.
BUD	Bushel, Dry Imperial.
BUK	Bunks.
BUL	Bulk.
BUN	Bundle.
BUP	Bulk Pack.
BUS	Bushel.
BYT	Bytes.
COW	Counts per Wafer (Counts/wf).
C3M	Cubic centimeter per minute (cm3/minute).
CAA	Carat.
CAB	Carboy.
CAC	Card.
CAD	Candela.
CAG	Cartridge.
CAK	Cask.
CAL	Calorie.
CAN	Can.
CAO	Carload.
CAR	Car.
CAS	Case.
CAT	Canister.
CAW	Catchweight.
CC2	Centipoises per hour per square centimeters (cps per hr per sq cm).
CCC	Counts per Square Centimeters (Counts/cm2).
CD3	Cubic decimeter (Cubic dec).
CEL	Cell.
CEM	Centimeter.
CEP	Centipoises (CPS).
CET	Centiliter.
CGM	Centigram.
CHA	Chains (Land Survey).
CHE	Chest.
CM2	Square centimeter (cm2).
CMH	Centimeter/hour (cm/h).
CML	Colony/Milliliter (col/ml).
CMS	Centimeter/Second (cm/s).
CNN	Connector.
COG	Coil Group.
COI	Coil.
COL	Coulomb.
COL	
	Composite Product Pounds (Total Weight).
CON	Container
	Container.
COV	Cover.

CRA	Crate.
CRT	Carton.
CSE	Cassette.
CST	Centistokes.
CUB	Cubic centimeter.
CUC	Cubic centimeter/second.
CUF	Cubic Foot.
CUI	Cubic inch.
CUM	Cubic meter.
CUP	Cup.
CUY	Cubic yard.
CYC	Cycles.
CYL	Cylinder.
DAL	Dalton units (dalton).
DAY	Day.
DCB	Decibels.
DCG	Decagram.
DCL	Deciliter.
DCM	Defects per Square Centimeters (Defects/cm2).
DE1	Defects.
DE2	Degrees in Angles.
DE3	Degree.
DEA	Deal.
DEC	Decimeter.
DEF	Degree Fahrenheit.
DEG	Degree Celsius.
DEP	Dep. Factor.
DFW	Defects per Wafer (Defects/Wafer).
DGM	Decigram.
DIE	Die.
DIL	Display.
DIP	Dispenser.
DNC	Dynes per centimeter (Dynes per cm).
DOZ	Dozen.
DPM	Parts per Million per Day (ppm per day).
DRA	Dram.
DRU	Drum.
DRY	Dry Pounds.
EAC	Each.
ELE	Electrical Capacitance.
EML	Enzyme Units/Milliliter (Enzyme/ml).
ENU	Enzyme Units (Enzy.Units).
EQ2	Milliequivalent per 30 Kg (mequ/30Kg).
EQG	Milliequivalent per gram (milliequivalent per g).
EQK	Milliequivalent per Kilogram (mequ/Kg).
EQM	Milliequivalent per Millimeter (milliequivalent per mm).
FAR	Farads.
FFA	Femtofarad.
FIN	1/32 inch.
FLO	Fluid Ounce.

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FOI	Fluid Ounce (Imperial).
FOO	Foot.
FOU	Fluid Ounce US.
FPS	Feet per second (Feet/s).
FRH	Sales FT3 at 60°F per hour (FTR/hour).
FRM	Sales FT3 at 60°F per minute (FTR/min).
FTR	Sales FT3 at 60°F, 14.7 psia (SFT3_60F_S).
FTS	Sales FT3 at 70°F, 14.7 psia (SFT3_70F_S).
FTT	1000 FT3 at 60°F, 14.7 psia (KFT3_60F_S).
FTU	1000 FT3 at 70°F, 14.7 psia (KFT3_70F_S).
FUU	Fuel Usage (Gallons).
G2S	Gram square per second (g <sup>2</sup> /s).
GAI	Gram act. ingrd. (g act.ing).
GAL	Gallon.
GAM	Surface brightness as measured by plating instruments made by the
	Graphic Arts Manufacturing Company.
GAS	Gage Systems.
GAU	Gram Gold.
GCL	Gardner Color.
GEG	Keim/Gramm (keim/g).
GEQ	Gram per Equivalent (g/Eq).
GGM	Gram per gram mole (g/gmole).
GHG	Gram per Hectogram (g/hg).
GIH	Gigahertz.
GIJ	Gigajoules.
GIL	Gill (Imperial).
GM4	Gram per 100 Milliliters (g/100ml).
GME	Gram per Mole Equivalent (g/mole Eq).
GMO	Gram per Mol (g/mol).
GNL	Gram act.Ingrd per Liter (gai/liter).
GOB	Gross Barrels.
GOG	Gross Gallons.
GOH	Gigaohm (GOhm).
GOK	Gross Kilogram.
GOT	Gross Ton.
GOY	Gross Yard.
GPN	US Gallon per minute (gpm US).
GRA	Gram.
GRG	Great Gross (Dozen Gross).
GRK	Grams Per Kilogram.
GRL	Grams Per Liter.
GRM	Grams Per Liter.  Grams Per Milliliter.
GRN	Grain.
GRO	Gross.
GRP	Group.
HAG	Half Gallon.
HAH	Half Hour.
HAL	Half Liter.
HAN	Hank.
HEA	Heat lots.

HEC	Hectare.
HEL	Hectoliter.
HEP	Hectopascal.
HER	Hertz.
HGM	Hegman.
HNY	Henry.
HOS	Hours.
HOU	Hour.
HUA	Hundredth of a Carat.
HUB	Hundred Boxes.
HUC	Hundred Count.
HUS	Hundred Sheets.
HZM	Hertz per Minute (Hertz per min).
IH2	Inches of Water Gauge (inH2O-g).
IHG	Inches of Mercury Gauge (inHg-g).
ILB	Inch pounds (in.lb).
IMG	Imperial Gallons.
INC	Inch.
IPS	Inch per second (inch / sec).
JAR	Jar.
JKG	Joule/Kilogram (J/kg).
JMO	Joule/Mol (J/mol).
JOI	Joint.
JOU	Joule.
KAI	Kilogram act. Ingrd. (kg ac.ing.).
KAK	kg act.ingrd. / kg (kai/kg).
KBY	Kilobyte.
KCM	Kilogram per cm2 gauge (kg/cm2-g).
KD3	Kilogram per Cubic Decimeter (kg/dm3).
KEG	Keg.
KEL	Kelvin.
KGE	Container Fill Weight in Kg/Ea.
KGH	Kilogram per Hour (kg/h).
KGL	Kilograms per Liter (kg/L).
KGM	Kilogram/Mol (kg/mol).
KGS	Kilogram per Second (kg/s).
KHO	Kilometer/hour.
KIC	Kilogram per cubic meter.
KIE	Kilometer.
KIG	Kilogram.
KIH	Kilohertz.
KIK	Kilobecquerel/Kilogram.
KIL	Kiloampere.
KIM	Kilogram/square meter.
KIO	Kiloohm.
KIS	Kilogramm pro Sekunde.
KIT	Kit.
KIV	Kilovolt.
KIW	Kilowatt.
KJK	Kilojoule per kilogram (KJ/kg).
1/21/	Kilojoulo per Kilograffi (No/Kg).

IZ II	Wileieule
KJL	Kilojoule.
KJM	Kilojoule/Mol (KJ/mol).
KKG	Kilogram/Kilogram.
KMK	Cubic meter/Cubic meter (m3/m3).
KMN	Kelvin per Minute (K/min).
KMS	Kelvin per Second (K/s).
KNM	Kilonewton per square meter (kN/m2).
KNT	Kilonewton (ND).
KPA	Kilopascal (kPa).
KRU	Kreb Unit.
KSM	Kilograms Per Square Millimeter.
KTN	Kilotonne (kt).
KUD	Kubikdezimeter.
KUM	Kubikmeter pro Sekunde.
KVA	Kilovoltampere (kVA).
KWH	Kilowatt-hour.
KWR	Kilovolt ampere reactive hours (KVAH reac.).
LBH	US Pound per Hour (lb/hour).
LBM	US Pound per minute (lb/min).
LG2	Liter per Gram per Centimeter (I/g/cm).
LGC	Liters per Gram-Centimeters (I/g-cm).
LHK	Liter per 100 km (I/100 km).
LIF	Lifts.
LIM	Link.
LIQ	Liquid Pounds.
LIT	Liter.
LMI	Liter per Minute (I/min).
LMS	Liter per Molsecond (I/mol.s).
LOA	Load.
LOT	Lot.
LPD	Light Point Defects per Wafer (LPD/Wafer).
LPH	Liter per hour (I/hr).
LUG	Lug.
M15	Micron per 15 Square Millimeters (mu per 15 sq mm).
M20	Micron per 20 Square Millimeters (mu per 20 sq mm).
M25	Micron per 25 Square Millimeters (mu per 25 sq mm).
M26	Micron per 26 by 8 Millimeters (mu per 26 by 8 mm).
M2G	Meters square per gram (m sq per gram).
МЗА	Sales m3 at 15 °C, 1 atmos (Sm3_15C_S).
МЗВ	Sales m3 at 21 °C, 1 atmos (Sm3_21C_S).
M3C	Sales m3 at 10 °C, 1 atmos (Sm3_10C_S).
M3D	Sales m3 at 43 °C, 1 bar (Sm3_43C_D).
M3E	Sales m3 at 9 °C, 1 bar (Sm3_9C_D).
M3F	Sales m3 at 15 °C, 1 bar (Sm3_15C_D).
M3G	Sales m3 at 27 °C, 1 atmos (Sm3_27C_S).
МЗН	Cubic Meter per Hour (m3/h).
M3J	Sales m3 at 35 °C, 1 atmos (Sm3_35C_S).
МЗК	Cubic Meter/Kilogram (m3/Kg).
M3M	Milliliter per Cubic Meter (ml/m3).
M3N	Mol per Cubic Meter (Mol/m3).

MAM	Milliamps/mm.
MAT	Mat.
MBY	Megabyte.
MBZ	Meterbar per Second (m.bar/s).
MC2	Millisecond per Centimeter (mS/cm).
MCA	Microampere (μA).
MCG	Microgram.
MCH	Micromhos (µmhos).
MCK	Microcuries per Kilogram (µci/kg).
MCL	Microcuries per Gaseous Liter (μc/l).
MCM	Milligrams Per Cubic Meter.
MCN	Metal Can.
MCP	Manifolded Cylinder Pack.
MCR	Micron.
MEG	Megagram.
MEH	Megahertz.
MEJ	Megajoule (MJ).
MEP	Megapascal.
MET	Meter.
MEW	Megawatt.
MFD	Microfarad (μF).
MGA	Milligram per Amp (mg per amp).
MGF	Milligram per Square Centimeter (mg/cm2).
MGG	Milligram per Gram (mg/g).
MGL	Microgram per Liter (µg/I).
MGM	Milligram.
MGO	Megohm (MOhm).
MGR	Micrograms per Gram (μg/g).
MGS	Milligram per Second (mg per sec).
MH1	Millimeter per Hour (mm/h).
MHC	Micromhos per Centimeter (µmhos/cm).
MHR	Meter per Hour (m/h).
MHV	Megavolt.
MIB	Million BTU's.
MIC	Mikrogram/cubic meter.
MIG	Micrograms Per Cubic Meter.
MIL	Mile.
MIM	Micrometer.
MIN	Minute.
MIP	Millipascal seconds.
MIS	Microsecond.
MIT	Miter.
MIV	Millivolt.
MIW	Milliwatt.
MJM	Wobbe Number (MJ/m3).
MJO	Millijoule.
MKG	Milligrams of KOH per Gram (mg KOH per g).
MKL ML1	Millimol per Gram (mmol/g).
ML1	Milliliter per Liter (ml/l).
ML2	Milliliter per Liter (ml/l).

ML3	Mol per Liter (Mol/Liter).
ML4	Millimol per Liter (Millimol/I).
MLA	Milliampere.
MLB	Millibar.
MLC	Milligram/cubic meter.
MLG	Milliliter per Gallon (ml per gal).
MLI	Milliliter.
MLK	Milligram/kilogram.
MLL	Milligram/Liter.
MLM	Mole per Mole (mole/mole).
MLP	Mole Percent (% mole).
MLR	Microliter (µI).
MLS	Miles.
MLW	Milliliter act. Ingr. (ml act.in.).
MM3	Cubic Millimeter (mm3).
MMA	Millimeter per Year (mm/a).
MME	Millimeter.
MMG	Millimol/gram (mmol/g).
MMH	Millimeter H20.
MMK	Millimol/kilogram.
MMM	0.000001 meter (1 millionth of a meter). (Micrometer/Micron).
MMN	Meter per Minute (m/min).
MMO	Millimol.
MMS	Millimeter per Second (mm/s).
MNM	Millinewton per meter (mN/m).
MNT	Meganewton (MN).
MOK	Mol/kilogram.
MOL	Mol.
MON	Month.
MPB	Mass parts per billion (ppb(m)).
MPG	Miles per Gallon (US) (Mi/Gal(US)).
MPH	
	Megagrams Per Hour.
MPM	Mass Parts per Million (ppm(m)).
MPT	Mass Parts per Trillion (ppt(m)).
MPZ	Meterpascal per Second (m.Pa/s).
MQG	Mircoequivalent per Gram (microeq/g).
MRF	Millifarad (mF).
MS1	MilliSiemen per Centimeter (mS/cm).
MS2	Meter per Second Squared (m/s2).
MS3	Microsiemens per Centimeter (μS/cm).
MSC	Millisecond.
MSM	Milligrams Per Square Meter.
MTA	Millitesla.
MTQ	Meter pro Quadratsekunde.
MTR	Meter (m).
MTS	Meters per second.
MUL	Multichip - When 2 or more dies (chips) are merged into one package.
MVA	Megavoltampere (MVA).
MVS	Millivolts.
MVT	Millivolt.

	T
MWH	Megawatt Hours (mwh).
MWR	Megavolt Ampere Reactive Hours (MVAH reac.).
MWT	Molecular Weight (mW).
MYS	Micro Siemens (mic. Siem.).
N2M	Newton/Square millimeter (N/mm2).
NAA	Nanoamps.
NAM	Nanometer.
NAS	Nanosecond.
NEB	Net Barrels.
NEG	Net Gallons.
NEI	Net Imperial Gallons.
NEL	Net Liters.
NEW	Newton.
NM2	Newton per Square Meter (N/m²).
NM3	Normal m3 at 0°C, 1 atmos (Normal m3).
NMH	Newton per Hour (N/h).
NMM	Newton per Millimeter (N/mm).
NMR	Normal m3 per Hour (Nm3/h).
NOL	Normality.
NPK	Nowpac Container (Nowpac).
NRG	Bar Gauge.
NRU	Nanofarad (nF).
NSC	Nanograms Per Square Centimeter.
NTU	Nephelometric Turbidity Units (NTU).
NTY	Equivalents per Liter (equ/l).
NUM	Numbers.
NWM	Newton per Meter (N/m).
NXM	Newton per 25 mm (N/25mm).
O2P	Percent Oxygen (% Oxygen).
OCT	Ohm/ct.
OHC	Ohm-Centimeter (ohm cm).
OHM	Ohm.
OMM	Ohm/mm.
ONE	One.
OPH	Operating hour (Oper. Hour).
OSQ	Ohm/sq.
OTP	One Thousand Pieces.
OUN	Ounce.
OVI	Ohm/via.
OZG	Ounce per Gallon (oz per gal).
PAC	Parcel.
PAD	Pad.
PAG	Package.
PAG	Pail.
PAK	Pack (PAK).
PAL	Pallet.
PAL	
	Panel.
PAR	Pair.
PAS	Pascal.
PAT	Packet.

PBA PPBA Silicon (ppba Si). PC2 Parts per Square Centimeters (part per sq cm). PC2 Parts per Square Centimeters (part per sq cm). PC3 Percent Active (% Active). PC4 Percent Pc2 Percent. PC5 Percent. PE6 Percent. PE7 Per Percent. PE8 Per Percent Pcc 1000 Hours. PE8 Per Hundred Pieces. PE8 Per Hundred Pieces. PE9 Per Per Cubic Foot (per cu ft). PC4 Particles per Cubic Feet (particles per cu ft). PC5 Percent Falled Area (Falled Area %). PC6 Percent Falled Area (Falled Area %). PC7 Per Picofarad. PC7 Per Picofarad. PC8 Picofarad. PC9 Per Square Inch (part per sq in). PI0 Pint U.S. Dry. PI1 Pint U.S. Dry. PI2 Parts per Square Inch (part per sq in). PI3 Piece. PI4 Parts per Milliliter (parts per ml). PI5 Piece. PI6 Piece. PI7 Parts per Milliliter (parts per ml). PC9 Parts per Milliliter (parts per ml). PC9 Parts per Milliliter (parts per ml). PC9 Parts Pallet. PC9 Pallet (Lift). PC9 Pallet (Lift). PC9 Pallet (Lift). PC9 Pallet (Lift). PMA Percent Mass (%(m)). PMI Per Mille (%0). PMI Per Mille (%0). PMI Particles per Milliliter (particles/mL). PMA Parts Per Million Platinum (ppm Pt). PMA Parts Per Million Platinum (ppm Pt). PMA Parts Per Million Platinum (ppm Pt). PMA Parts Per Million (weight/Vol) (ppm (w/v)). PMA Parts Per Million Platinum (ppm Pt). PMA Parts Per Million Platinum (ppm Pt). PMA Parts Per Million Platinum (ppm Pt). PMA Parts Per Million mole (ppm mole). PPA Pounds Per Floot. POR Pounds Per Floot (ppm mole). PPA Parts per Billion Mole (ppb mole). PPA Parts per Billion Mole (ppb mole). PPA Parts Per Hundred (pph).		
PC2 Parts per Square Centimeters (part per sq cm). PCA Percent Active (% Active). PCL Picocuries per Liter (pCi/l). PEC Percent PEG Percent. PEG Percent. PEG Percent. PEH Percent Per 1000 Hours. PEN Pennyweight. PER Per Hundred Pieces. PEW Percent Weight. PF3 Per Cubic Foot (per cu ft). PF4 Particles per Cubic Feet (particles per cu ft). PF5 Per Picofarad. PF6 Picofarad. PF7 Picofarad. PF7 Picofarad. PF8 Picofarad. PF9 Pint U.S. Dry. PID Pint U.S. Dry. PID Pint U.S. Dry. PIL Pint - US liquid. PL1 Parts per Milliliter (parts per ml). PL2 Parts per Milliliter (parts per ml). PL3 Part per Milliliter (parts per ml). PL4 Plate. PL4 Paltet. PL4 Paltet. PL5 Paltet. PL6 Per Liter. PL7 Palette. PL8 Percent Mass (%(m)). PMA Percent Mass (%(m)). PMA Percent Mass (%(m)). PMA Parts Per Milliliter (particles/mL). PMA Parts Per Millililiter (particles per inj). PMY Parts Per Millilion by Weight (ppmw). PMY Parts Per Million (weight/Vol) (ppm (w/v)). PMY Parts Per Million by Weight (ppmw). PNJ Parts Per Million by Per Got. POO Pounds Per Foot. POO Pounds Per Billion Mole (ppm mole). PPA Parts per Billion Mole (ppm mole). PPA Parts per Billion Mole (ppm mole). PPA Parts per Billion Mole (ppm mole).	PBA	PPBA Silicon (ppba Si).
PCA Percent Active (% Active). PCL Picocuries per Liter (pCi/l). PEG Percent. PEG Percent. PEG Percent. PEH Percent Per 1000 Hours. PEH Percent Per 1000 Hours. PEN Pennyweight. PER Per Hundred Pieces. PEW Percent Weight. PF3 Per Cubic Foot (per cu ft). PF4 Particles per Cubic Feet (particles per cu ft). PF5 Particles per Cubic Feet (particles per cu ft). PF6 Percent Failed Area (Failed Area %). PF7 Picofarad. PH PH Factor (pH). PI2 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Liter (parts per I). PL2 Parts per Milliliter (parts per ml). PL3 Part per Milliliter (parts per ml). PL4 Plate. PL1 Pounds per Linear Inch (lb/Lin. In). PLL Pallet (Lift). PLR Per Liter. PLT Palette. PLT Palette. PLU Pallet/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PML Parts Per Milliliter (particles/mL). PMO Per Mille (mso). PMN Parts Per Million by Weight (ppmw). PMV Parts Per Million by Weight (ppmw). PNT Points. POF Pounds Per Gallon. PON Pounds Per Gallon. PON Pounds Per Gallon. PON Pounds Per Gallon. POR Pounds Per Flote. POS Pounds Per Flousand. PP8 Parts per Million Mole (ppm mole). PP8 Parts per Million Mole (ppm mole). PP8 Parts per Billion (US). PPP Parts per Flot (US). PPP Parts per Flot (Ppm Parts Per Billion (US). PPP Parts per Barts per Billion (US).		
PCL Picocuries per Liter (pCi/I). PEC Percent. PEG Percent. PEG Percentage. PEH Percent Per 1000 Hours. PEN Pennyweight. PER Per Hundred Pieces. PEW Percent Weight. PF3 Per Cubic Foot (per cu ft). PF4 Particles per Cubic Feet (particles per cu ft). PFA Percent Failed Area (Failed Area %). PFR Picofarad. PH PH Factor (pH). PI2 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Milliliter (parts per ml). PL2 Parts per Milliliter (parts per ml). PL3 Part per Milliliter (parts per ml). PL4 Plate. PL4 Plate. PLB Piece. PL Palet. PL Palet. PL Palet (Lift). PLA Palet. PL Palet (Lift). PLR Per Liter. PLU Pallet (Uift). PLR Per Liter. PLU Pallet (Dervi Mass (%(m)). PMA Percent Mass (%(m)). PMA Percent Mass (%(mss)). PMD Parts Per Million (weight/Vol) (ppm (w/v)). PMV Parts Per Million (weight/Vol) (ppm (w/v)). PMV Parts Per Million (weight/Vol) (ppm (w/v)). PND Points. POF Pounds Per Foot. POR Poens. POS Pounds Per Foot. POR Pores. POS Pounds Per Foot. POT Pounds Per Stillon Mole (ppb mole). PPP Parts per Billion Mole (ppb mole). PPP Parts per Sillion Mole (ppb mole). PPP Parts per Sillion Mole (ppb mole). PPP Parts per Fotis (Parts/Fi3).		
PEC Percentage. PEH Percent Per 1000 Hours. PEN Pennyweight. PER Per Hundred Pieces. PEW Percent Weight. PF3 Per Cubic Foot (per cu ft). PF4 Particles per Cubic Feet (particles per cu ft). PF5 Particles per Cubic Feet (particles per cu ft). PF6 Particles per Cubic Feet (particles per cu ft). PF7 Percent Failed Area (Failed Area %). PF8 Picofarad. PH PH Factor (pH). PH2 Parts per Square Inch (part per sq in). PH0 Pint U.S. Dry. PH1 Pint - US liquid. PH1 Parts per Liter (parts per I). PH1 Parts per Liter (parts per II). PH2 Parts per Milliliter (parts per III). PH3 Part per Milliliter (parts per III). PH4 Plate. PH5 Part per Milliliter (Part/ml). PH6 Part per Milliliter (Part/ml). PH7 Palett (Lift). PH8 Per Liter. PH9 Per Liter. PH9 Per Liter. PH9 Particles per Milliliter (parts per III). PMN Particles per Milliliter (parts per III). PMN Particles per Milliliter (parts per III). PMN Parts Per Million Platinum (pm Pt). PNJ Particles per Injection (particles per inj). PNJ Particles per Foot. POG Pounds Per Foot. POG Pounds Per Foot. POG Pounds Per Foot. POR Pores. POS Pounds Per Piece of Product. POR Pores. POS Pounds Per Foot Product. POR Pores. POS Pounds Per Billion Mole (ppb mole). PP4 Parts per Million Mole (ppb mole). PP8 Parts per Billion Mole (ppb mole). PP9 Parts per Barts per Billion Mole (ppb mole).		
PEG Percentage. PEH Percent Per 1000 Hours. PEN Penyweight. PER Per Hundred Pieces. PEW Percent Weight. PF3 Per Cubic Foot (per cu ft). PF4 Particles per Cubic Feet (particles per cu ft). PF5 Percent Failed Area (Failed Area %). PF6 Percent Failed Area (Failed Area %). PF7 Percent Failed Area (Failed Area %). PF8 Picofarad. PH PH Factor (pH). PF9 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Liter (parts per I). PL2 Parts per Milliliter (parts per II). PL3 Part per Milliliter (parts per II). PL4 Parts per Milliliter (parts per II). PL5 PART Per Liter. PL1 Pounds per Linear Inch (Ib/Lin. In). PLL Pallet (Lift). PLR Per Liter. PLT Palette. PLU Pallet/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PML Particles per Milliliter (particles/mL). PMO Per Mille mass (%0(mass)). PMP Parts Per Million Platinum (ppm Pt). PMW Parts Per Million Platinum (ppm W(v)). PMY Parts Per Million Platinum (ppm W). PNJ Particles per Injection (particles per inj). PNJ Particles per Injection (particles per inj). PNJ Points. POF Pounds Per Foot. POG Pounds Per Foot. POG Pounds Per Foot. POR Pores. POS Pounds Per Piece of Product. POR Pores. POS Pounds Per Billion Mole (ppm mole). PP4 Parts per Billion Mole (ppm mole). PP4 Parts per Billion Mole (ppm mole). PP8 Parts per Billion Mole (ppm mole). PP9 Parts per Billion Mole (ppm mole).		
PEH Percent Per 1000 Hours. PEN Pennyweight. PER Per Hundred Pieces. PEW Percent Weight. PF3 Per Cubic Foot (per cu ft). PF4 Particles per Cubic Feet (particles per cu ft). PFA Percent Failed Area (Failed Area %). PFR Picofarad. PH PH Factor (pH). PI2 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Milliliter (parts per I). PL2 Parts per Milliliter (parts per ml). PL3 Part per Milliliter (parts per ml). PL4 Pl4 Percent Milliliter (parts per ml). PL5 Parts Per Milliliter (parts per ml). PL6 Pl6 Pl7 Pl8 Per Liter. PL7 Palett (Lift). PL8 Per Liter. PL9 Part Liter. PL9 Part Per Milliliter (parts per ml). PL9 Part Part Milliliter (parts per ml). PL9 Part Part Milliliter (parts per ml). PL9 Part Part Milliliter (particles/ml). PL9 Part Part Liter. PL9 Palette. PL9 Part Per Milliliter (particles/ml). PMA Percent Mass (%(m)). PMI Particles per Milliliter (particles/ml). PMO Per Mille (%0). PMN Parts Per Million Platinum (ppm Pt). PMV Parts Per Million Platinum (ppm Pt). PMV Parts Per Million by Weight (ppmw). PMJ Particles per Injection (particles per inj). PNT Points. POF Pounds Per Gallon. POR Pounds Per Gallon. POR Pounds Per Gallon. POR Pounds Per Bounds Per Piece of Product. POR Pores. POS Pounds Per Bounds Per Feet. POT Pounds Per Thousand. PP3 Parts per Million Mole (ppb mole). PP4 Parts per Billion (WS). PPF Parts per Billion (US). PPF Parts per Billion (US).		
PEN Pennyweight. PER Per Hundred Pieces. PEW Percent Weight. PF3 Per Cubic Foot (per cu ft). PF4 Particles per Cubic Feet (particles per cu ft). PF4 Percent Failed Area (Failed Area %). PF6 Picofarad. PF7 Picofarad. PH PH Factor (pH). PI2 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Liter (parts per l). PL2 Parts per Milliliter (parts per ml). PL3 Part per Milliliter (parts per ml). PL4 Parts per Milliliter (parts per ml). PL5 Part per Milliliter (parts per ml). PL6 PI2 Parts per Milliliter (parts per ml). PL7 PART PART PART PART PART PART PART PART	PEG	
PER Per Hundred Pieces. PEW Percent Weight. PF3 Per Cubic Foot (per cu ft). PF4 Particles per Cubic Feet (particles per cu ft). PFA Percent Failed Area (Failed Area %). PFR Picofarad. PH PH Factor (pH). Pl2 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Milliliter (parts per in). PL2 Parts per Milliliter (parts per ml). PL3 Part per Milliliter (parts per ml). PL4 Piate. PL4 Piate. PL1 Pounds per Linear Inch (lb/Lin. In). PLA Piate. PLI Palett (Lift). PLR Per Liter. PLT Palette. PLU Pallet/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PMI Parts per Milliliter (particles/mL). PMO Per Mille mass (%0(mass)). PMP Parts Per Million (weight/Vol) (ppm (w/v)). PMW Parts Per Million by Weight (ppmw). PNJ Particles per Gallon. POG Pounds Per Foot. POG Pounds Per Foot. POR Pores. POS Pounds Per Flace Pollion (pp mole). PPA Parts per Billion Mole (ppb mole). PPA Parts per Billion Mole (ppb mole). PPA Parts per Barts per Billion Mole (ppb mole). PPA Parts per Barts per Billion Mole (ppb mole). PPA Parts per Barts per Billion Mole (ppb mole). PPA Parts per Barts per Billion Mole (ppb mole). PPA Parts per Barts per Billion Mole (ppb mole). PPA Parts per Barts per Billion Mole (ppb mole). PPA Parts per Barts per Billion Mole (ppb mole). PPA Parts per Barts per Billion Mole (ppb mole). PPA Parts per Barts per Billion Mole (ppb mole). PPA Parts per Barts per Billion Mole (ppb mole).	PEH	Percent Per 1000 Hours.
PEW Percent Weight. PF3 Per Cubic Foot (per cu ft). PF4 Particles per Cubic Feet (particles per cu ft). PFA Percent Failed Area (Failed Area %). PFR Picofarad. PH PH Factor (pH). PI2 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Milliliter (parts per l). PL2 Parts per Milliliter (parts per ml). PL3 Part per Milliliter (Part/ml). PL4 Parts Per Milliliter (Part/ml). PL4 Plate. PLI Pounds per Linear Inch (Ib/Lin. In). PLL Pallet (Lift). PLR Per Liter. PLT Palette. PLU PalletVunit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PML Particles per Milliliter (particles/mL). PMM Per Mille mass (%0(mass)). PMP Parts Per Million (weight/Vol) (ppm (w/v)). PMW Parts Per Million by Weight (ppmw). PNJ Particles per Injection (particles per inj). PNT Points. POF Pounds Per Foot. POG Pounds Per Foot. POG Pounds Per Foot. POR Pores. POS Pounds Per Flousand. PP3 Parts per Million Mole (ppb mole). PP4 Parts per Billion Mole (ppb mole). PP4 Parts per Billion Mole (ppb mole). PP5 Parts per Billion Mole (ppb mole). PP6 Parts per Billion Mole (ppb mole). PP7 Parts per Billion Mole (ppb mole). PP8 Parts per Billion Mole (ppr PPF). PARTS PER PARTS PER PARTS PER PPARTS PER PARTS PER PPARTS PER PARTS PER PPARTS PER PPAR	PEN	Pennyweight.
PF3 Per Cubic Foot (per cu ft). PF4 Particles per Cubic Feet (particles per cu ft). PFA Percent Failed Area (Failed Area %). PFR Picofarad. PH PH Factor (pH). Pl2 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Liter (parts per i). PL2 Parts per Milliliter (parts per mi). PL3 Part per Milliliter (parts per mi). PL4 Plate. PL1 Pounds per Linear Inch (lb/Lin. In). PLA Plate. PLI Pallet (Lift). PLR Per Liter. PLT Palette. PLT Palette. PLU Pallet/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PML Particles per Milliliter (particles/mL). PMO Per Mille mass (%0(mass)). PMP Parts Per Million Platinum (ppm Pt). PMV Parts Per Million Platinum (ppm Pt). PMV Parts Per Million py Weight (ppmw). PNJ Points. POF Pounds Per Foot. POG Pounds Per Foot. POG Pounds Per Foot. POR Pores. POS Pounds Per Thousand. PP3 Parts per Million mole (ppm mole). PP4 Parts per spet pollinon mole (ppm mole). PP4 Parts per Ft3 (Parts/Ft3).	PER	Per Hundred Pieces.
PF4 Particles per Cubic Feet (particles per cu ft). PFA Percent Failed Area (Failed Area %). PFR Picofarad. PH PH Factor (pH). Pl2 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Milliliter (parts per I). PL2 Parts per Milliliter (parts per II). PL3 Part per Milliliter (parts per II). PL4 Plate. PL9 Pounds per Linear Inch (Ib/Lin. In). PLA Plate. PL1 Pallet (Lift). PLR Per Liter. PLT Palette. PLU Pallet/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PML Particles per Milliliter (particles/mL). PMO Per Mille mass (%0(mass)). PMV Parts Per Million Platinum (ppm Pt). PMV Parts Per Million Platinum (ppm Pt). PMV Parts Per Million by Weight (ppmw). PNJ Particles per Injection (particles per inj). PNT Points. POF Pounds Per Foot. POG Pounds Per Foot. POR Pores. POS Pounds Per Floce of Product. POR Pores. POS Pounds Per Inousand. PP3 Parts per Million Mole (ppb mole). PP4 Parts per Billion Mole (ppb mole). PP4 Parts per Billion Mole (ppb mole). PP8 Parts per Billion Mole (ppb mole). PPP Parts per Ft3 (Parts/Ft3).	PEW	Percent Weight.
PFA Percent Failed Area (Failed Area %). PFR Picofarad. PH PH Factor (pH). PI2 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Millilitre (parts per II). PL2 Parts per Millilitre (parts per mI). PL3 Part per Millilitre (parts per mI). PL4 Plate. PL1 Pounds per Linear Inch (Ib/Lin. In). PLL Pallet (Lift). PLR Per Liter. PLL Pallette. PLU Pallett/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PMI Per Mille (%0). PMD Per Mille mass (%0(mass)). PMP Parts Per Million Platinum (ppm Pt). PMV Parts Per Million Platinum (ppm Pt). PMV Parts Per Million by Weight (ppmw). PMI Points. POF Pounds Per Foot. POG Pounds Per Foot. POG Pounds Per Foot. POR Pores. POS Pounds Per 1000 Square Feet. POT Pounds Per Thousand. PP3 Parts per Million mole (ppm mole). PP4 Parts per Million mole (ppm mole). PP5 Parts per Billion Mole (ppb mole). PP7 Parts per Billion Mole (ppb mole). PP8 Parts per Billion Mole (ppb mole). PP8 Parts per Billion Mole (ppb mole). PP8 Parts per Billion Mole (ppb mole). PP7 Parts per Ft3 (Parts/Ft3).	PF3	Per Cubic Foot (per cu ft).
PFR Picofarad. PH PH Factor (pH). P12 Parts per Square Inch (part per sq in). P1D Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Liter (parts per I). PL2 Parts per Millilitre (parts per ml). PL3 Part per Millilitre (Part/ml). PL4 Plate. PL1 Pounds per Linear Inch (lb/Lin. In). PLL Pallet (Lift). PLR Per Liter. PLT Palette. PLU Pallet/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PML Particles per Millilitre (particles/mL). PMO Per Mille mass (%60(mass)). PMP Parts Per Million (weight/Vol) (ppm (w/v)). PMW Parts Per Million by Weight (ppmw). PNJ Particles per Injection (particles per inj). PNT Points. POF Pounds Per Foot. POR Pores. POS Pounds Per Flece of Product. POR Pores. POS Pounds Per Thousand. PP3 Parts per Million mole (ppm mole). PP4 Parts per Billion Mole (ppb mole). PP5 Parts per Billion Mole (ppb mole). PP7 Parts per Billion Mole (ppb mole). PP8 Parts per Billion Mole (ppb mole). PP8 Parts per Billion Mole (ppb mole). PP8 Parts per Ft3 (Parts/Ft3).	PF4	Particles per Cubic Feet (particles per cu ft).
PH PH Factor (pH). PI2 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Liter (parts per I). PL2 Parts per Milliliter (parts per ml). PL3 Part per Milliliter (Part/ml). PL4 Plate. PLI Pounds per Linear Inch (lb/Lin. In). PLL Pallet (Lift). PLR Per Liter. PLT Palette. PLU Pallet/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PMI Particles per Milliliter (particles/mL). PMO Per Mille mass (%0(mass)). PMP Parts Per Million Platinum (ppm Pt). PMW Parts Per Million Platinum (ppm W/v)). PMW Parts Per Million by Weight (ppmw). PNJ Particles per Injection (particles per inj). PNT Points. POF Pounds Per Foot. POG Pounds Per Foot. POG Pounds Per Piece of Product. POR Pores. POS Pounds Per Thousand. PP3 Parts per Million mole (ppm mole). PP4 Parts per Million mole (ppm mole). PP5 Parts per Billion Mole (ppb mole). PP7 Parts per Billion Mole (ppb mole). PP8 Parts per Billion Mole (ppb mole). PP8 Parts per Billion Mole (ppb mole). PP7 Parts per Ft3 (Parts/Ft3).	PFA	Percent Failed Area (Failed Area %).
PI2 Parts per Square Inch (part per sq in). PID Pint U.S. Dry. PIE Piece. PIL Pint - US liquid. PL1 Parts per Liter (parts per I). PL2 Parts per Milliliter (parts per ml). PL3 Part per Milliliter (Part/ml). PL4 Plate. PL1 Pounds per Linear Inch (Ib/Lin. In). PL5 Pallet (Lift). PL7 Pallet (Lift). PL8 Per Liter. PL7 Palette. PL9 Pallet/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PML Particles per Milliliter (particles/mL). PMO Per Mille mass (%0(mass)). PMP Parts Per Million Platinum (ppm Pt). PMV Parts Per Million Platinum (ppm Pt). PMW Parts Per Million by Weight (ppmw). PNJ Particles per Injection (particles per inj). PNT Points. POF Pounds Per Foot. POG Pounds Per Foot. POR Pores. POS Pounds Per Flece of Product. POR Pores. POS Pounds Per Thousand. PP3 Parts per Million Mole (ppm mole). PP4 Parts per Billion Mole (ppm mole). PPB Parts per Fillion Mole (ppm mole). PPB Parts per Billion Mole (ppm mole). PPF Parts per Fit3 (Parts/Ft3).	PFR	Picofarad.
PID Pint U.S. Dry. PIE Piece. PIL Piece. PIL Pint - US liquid. PL1 Parts per Liter (parts per I). PL2 Parts per Milliliter (parts per ml). PL3 Part per Millilitre (Part/ml). PLA Plate. PL1 Pounds per Linear Inch (Ib/Lin. In). PLL Pallet (Lift). PLR Per Liter. PLT Palette. PLU Pallet/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PML Particles per Milliliter (particles/mL). PMO Per Mille mass (%0(mass)). PMP Parts Per Million Platinum (ppm Pt). PMW Parts Per Million by Weight (ppmw). PNJ Particles per Injection (particles per inj). PNJ Points. POF Pounds Per Foot. POG Pounds Per Foot. POR Pores. POS Pounds Per Piece of Product. POR Pores. POS Pounds Per Thousand. PP3 Parts per Million mole (ppm mole). PP4 Parts per Million mole (ppm mole). PP5 Parts per Million Mole (ppm mole). PP7 Parts per Million Mole (ppm mole). PP8 Parts per Billion Mole (ppm mole). PP8 Parts per Billion Mole (ppm mole). PP8 Parts per Fillion (US). PPF Parts per Ft3 (Parts/Ft3).	PH	PH Factor (pH).
PID Pint U.S. Dry. PIE Piece. PIL Piece. PIL Pint - US liquid. PL1 Parts per Liter (parts per I). PL2 Parts per Milliliter (parts per ml). PL3 Part per Millilitre (Part/ml). PLA Plate. PL1 Pounds per Linear Inch (Ib/Lin. In). PLL Pallet (Lift). PLR Per Liter. PLT Palette. PLU Pallet/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PML Particles per Milliliter (particles/mL). PMO Per Mille mass (%0(mass)). PMP Parts Per Million Platinum (ppm Pt). PMW Parts Per Million by Weight (ppmw). PNJ Particles per Injection (particles per inj). PNJ Points. POF Pounds Per Foot. POG Pounds Per Foot. POR Pores. POS Pounds Per Piece of Product. POR Pores. POS Pounds Per Thousand. PP3 Parts per Million mole (ppm mole). PP4 Parts per Million mole (ppm mole). PP5 Parts per Million Mole (ppm mole). PP7 Parts per Million Mole (ppm mole). PP8 Parts per Billion Mole (ppm mole). PP8 Parts per Billion Mole (ppm mole). PP8 Parts per Fillion (US). PPF Parts per Ft3 (Parts/Ft3).	PI2	Parts per Square Inch (part per sq in).
PIE Piece. PIL Pint - US liquid. PL1 Parts per Liter (parts per I). PL2 Parts per Milliliter (parts per ml). PL3 Part per Millilitre (Part/ml). PLA Plate. PLI Pounds per Linear Inch (Ib/Lin. In). PLL Pallet (Lift). PLR Per Liter. PLT Palette. PLU Pallet/Unit Load. PMA Percent Mass (%(m)). PMI Per Mille (%0). PML Particles per Milliliter (particles/mL). PMO Per Mille mass (%0(mass)). PMP Parts Per Million Platinum (ppm Pt). PMW Parts Per Million (weight/Vol) (ppm (w/v)). PMW Parts Per Million (weight/Vol) (ppm (m/v)). PMW Parts Per Million (particles per inj). PNJ Points. POF Pounds Per Foot. POG Pounds Per Foot. POG Pounds Per Piece of Product. POR Pores. POS Pounds Per Flece of Product. POR Pores. POS Pounds Per Thousand. PP3 Parts per Million Mole (ppm mole). PP4 Parts per Billion Mole (ppb mole). PPB Parts per Billion Mole (ppb mole). PPF Parts per Ft3 (Parts/Ft3).	PID	
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PL2 Parts per Milliliter (parts per ml).  PL3 Part per Millilitre (Part/ml).  PLA Plate.  PLI Pounds per Linear Inch (lb/Lin. In).  PLL Pallet (Lift).  PLR Per Liter.  PLT Palette.  PLU Pallet/Unit Load.  PMA Percent Mass (%(m)).  PMI Per Mille (%0).  PML Particles per Milliliter (particles/mL).  PMO Per Mille mass (%0(mass)).  PMP Parts Per Million Platinum (ppm Pt).  PMV Parts Per Million (weight/Vol) (ppm (w/v)).  PMW Parts Per Million by Weight (ppmw).  PNJ Particles per Injection (particles per inj).  PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Flece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million Mole (ppm mole).  PP4 Parts per Billion Mole (ppm mole).  PPB Parts per Ft3 (Parts/Ft3).	PL1	
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PLI Pounds per Linear Inch (Ib/Lin. In).  PLL Pallet (Lift).  PLR Per Liter.  PLT Palette.  PLU Pallet/Unit Load.  PMA Percent Mass (%(m)).  PMI Per Mille (%0).  PML Particles per Milliliter (particles/mL).  PMO Per Mille mass (%0(mass)).  PMV Parts Per Million Platinum (ppm Pt).  PMV Parts Per Million (weight/Vol) (ppm (w/v)).  PMW Parts Per Million by Weight (ppmw).  PNJ Particles per Injection (particles per inj).  PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).		, , ,
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PLU Pallet/Unit Load.  PMA Percent Mass (%(m)).  PMI Per Mille (%0).  PML Particles per Milliliter (particles/mL).  PMO Per Mille mass (%0(mass)).  PMP Parts Per Million Platinum (ppm Pt).  PMV Parts Per Million (weight/Vol) (ppm (w/v)).  PMW Parts Per Million by Weight (ppmw).  PNJ Particles per Injection (particles per inj).  PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).	PLR	, ,
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PMI Per Mille (%0).  PML Particles per Milliliter (particles/mL).  PMO Per Mille mass (%0(mass)).  PMP Parts Per Million Platinum (ppm Pt).  PMV Parts Per Million (weight/Vol) (ppm (w/v)).  PMW Parts Per Million by Weight (ppmw).  PNJ Particles per Injection (particles per inj).  PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).	PLU	Pallet/Unit Load.
PMI Per Mille (%0).  PML Particles per Milliliter (particles/mL).  PMO Per Mille mass (%0(mass)).  PMP Parts Per Million Platinum (ppm Pt).  PMV Parts Per Million (weight/Vol) (ppm (w/v)).  PMW Parts Per Million by Weight (ppmw).  PNJ Particles per Injection (particles per inj).  PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).	PMA	Percent Mass (%(m)).
PML Particles per Milliliter (particles/mL).  PMO Per Mille mass (%0(mass)).  PMP Parts Per Million Platinum (ppm Pt).  PMV Parts Per Million (weight/Vol) (ppm (w/v)).  PMW Parts Per Million by Weight (ppmw).  PNJ Particles per Injection (particles per inj).  PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).	PMI	
PMO Per Mille mass (%0(mass)).  PMP Parts Per Million Platinum (ppm Pt).  PMV Parts Per Million (weight/Vol) (ppm (w/v)).  PMW Parts Per Million by Weight (ppmw).  PNJ Particles per Injection (particles per inj).  PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).	PML	, ,
PMP Parts Per Million Platinum (ppm Pt).  PMV Parts Per Million (weight/Vol) (ppm (w/v)).  PMW Parts Per Million by Weight (ppmw).  PNJ Particles per Injection (particles per inj).  PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).	PMO	
PMV Parts Per Million (weight/Vol) (ppm (w/v)).  PMW Parts Per Million by Weight (ppmw).  PNJ Particles per Injection (particles per inj).  PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).		, , , , , , , , , , , , , , , , , , , ,
PMW Parts Per Million by Weight (ppmw).  PNJ Particles per Injection (particles per inj).  PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).	PMV	
PNJ Particles per Injection (particles per inj).  PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).		
PNT Points.  POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).		
POF Pounds Per Foot.  POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).		
POG Pounds Per Gallon.  PON Pound.  POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per Ft3 (Parts/Ft3).		
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POP Pounds Per Piece of Product.  POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per billion (US).  PPF Parts per Ft3 (Parts/Ft3).		
POR Pores.  POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per billion (US).  PPF Parts per Ft3 (Parts/Ft3).		
POS Pounds Per 1000 Square Feet.  POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per billion (US).  PPF Parts per Ft3 (Parts/Ft3).		
POT Pounds Per Thousand.  PP3 Parts per Million mole (ppm mole).  PP4 Parts per Billion Mole (ppb mole).  PPB Parts per billion (US).  PPF Parts per Ft3 (Parts/Ft3).		
PP3 Parts per Million mole (ppm mole). PP4 Parts per Billion Mole (ppb mole). PPB Parts per billion (US). PPF Parts per Ft3 (Parts/Ft3).		·
PP4 Parts per Billion Mole (ppb mole). PPB Parts per billion (US). PPF Parts per Ft3 (Parts/Ft3).		
PPB Parts per billion (US). PPF Parts per Ft3 (Parts/Ft3).		
PPF Parts per Ft3 (Parts/Ft3).		
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PPM	Parts per million.
PPP	Pounds Per Pound of Product.
PPT	Parts per Trillion (ppt).
PRS	Number of Persons.
PSA	Pounds per Square Inch Absolute.
PSC	Picosecond.
PSG	Pound per Square Inch Gauge (psi gauge).
PSI	PSI Unit (PSI).
PSS	Pascal second.
PSV	Poise.
PTL	Particles per Liter (Part/Liter).
PWF	Particles per Wafer (particles/wf).
QML	Kilomol (kmol).
QUA	Quart - US liquid.
RAC	Rack.
REA	Ream of 500 Sheets.
REE	Reel.
RIN	Ring.
RLU	Relative Light Unit (RLU).
ROD	Rod.
ROL	Roll.
RPM	Revolutions per Minute (Revs/min).
SAC	Sack.
SBB	Super Bulk Bag.
SCL	Scales.
SEC	Second.
SET	Set.
SHE	Sheet.
SHI	Shipment.
SHM	Sheet - Metric measure.
SHO	Shot.
SID	Disk (Disc).
SIE	Siemens per Meter (Siemens/m).
SKE	Skein.
SKI	Skid.
SLE	Sleeve.
SLI	Slip Sheet.
SMI	Square mile.
SMM	Square millimeter.
SPO	Spool.
SQF	Square foot.
SQI	Square inch.
SQK	Square kilometer.
SQM	Square meter.
SQS	Square meter/second.
SQU	Square.
SQY	Square Yard.
STI	Stick.
STM	Statute Mile.
STP	Steps.

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STR	Strip.
STU	Stabilizer Units (SU).
SVU	Say Bolt Viscosity Units (SVU).
TAB	Tablet.
TAN	Tank.
TAR	Target pieces (target).
TAT	Tank Truck.
TES	Tesla.
THO	Thousand.
TM3	1/Cubic Meter (1/m3).
TNN	Tonne.
TOM	Ton per Cubic Meter (t/m3).
TON	Ton.
TOR	Torr.
TOT	Tote.
TPT	Pass Test (Pass).
TRA	Train.
TRF	Track Foot.
TRL	Trailer.
TRO	Troy.
TRU	Truckload.
TRY	Tray.
TRZ	Troy OZ.
TUB	Tube.
ULU	Unitless Unit of Measure.
UNT	Unit.
USG	US gallon.
USP	US pound.
UST	US ton.
VAL	VO mat. (Value).
VAP	Voltampere (VA).
VHN	Vickers Micro-Hardness (VHN10).
VIA	Vial.
VMP	Molar %.
VOL	Volt.
VPB	Volume Parts per Billion (ppb(V)).
VPC	Percent Volume (%(V)).
VPM	Volume Parts per Million (ppm(V)).
VPR	Per Mille Volume (%O(V)).
VPT	Volume parts per Trillion (ppt(V)).
VTA	Volts (Alternating Current).
VTD	Volts (Direct Current).
VTM	Volts Per Meter.
WAF	Wafer.
WAR	Watt.
WEE	Week.
WPT	Parts Per Trillion by Weight (pptw).
WRA	Wrap.
YAR	Yard.
YEA	Year.

### 3.8.8 ProcessRoleIdentifier

Describes the role of the partner in the business process. A partner will fulfill at least one or more roles during the business process.

Instance	Documentation
ADM	Administered by - The party who is the administrative authority of an account.
ALT	Alternate approval by - The party who has approved a request in the event the approver is not able to respond.
APP	Approval by - The party who has approved a request.
AUT	Authorized By - The party who has authorized a request.
BIF	Bill from - The party that will issue the invoice.
BIT	Bill to - The party that will pay the invoice.
СВК	Customs Broker - CustomsBroker This object represents the party that declare the shipment on behalf of declarant.
CLF	Collect From - To enable the buyer to specify the location of where products not supplied directly by the seller/installer may be collected.
CLM	Claimed By - This object represents the claimant.
CNC	Cancellation party - The party who is cancelling the shipping order.
COR	Change originated by - The party who originates a proposed change.
COW	Change owned by - The party who owns or who is assigned responsibility for a proposed change.
CRA	Credit applicant - The party who is applying for credit.
CRE	Created by - The party responsible for creating a process or task.
CSP	Contract Service Provider.
CWN	contractOwner - The party who is the owner of the contract. For example, in the direct business, the buyer is the contract owner. In the distribution business, the buyer is the distributor and the contract owner is the reseller.
DCE	DesignCustomerApplicationEngineer. The demand customer's Field Application Engineer.
DCT	Declared To - This object represents the party that the declaration goes to.
DCU	DesignCustomer. The owner of the product for which the design has been created.
DIS	Distributed by - The party who supplies products to retailers.
DLR	Declared By - This object represents the party that declare the shipment.
DST	Distributed To - This object represents the party to send information to.
FCP	Forecast Partner - The collection of business properties that describes the partner types for a forecast.
FIA	From Install At - The collection of sender business properties that describes a business partners' identity, their contact information, where they are physically located and their function in a supply chain.
FIN	Financed by - The party who is the financier.
FNB	Founded by - The party who performs the act, process, or art of casting metals.
FOR	Forwarded to - The party to whom a business document has been

Imported By - The party responsible for importing the product.	
INL Inventory location - The party where the inventory product entry located.  INO Inventory owner - The party that owns the inventory product entry In transit from - The party sending the product quantity in a producation transfer.  ITL installAt - The partner and/or location to which the product must up for use or service.  ITT In transit to - The party receiving the product quantity in a producation transfer.  Logistics Provided By - The party who handles the details of an operation.  MFG Manufactured by - The party who creates, processes or produces especially in large quantities and by means of industrial machines.  OWN Owned by - The party who owns a process.  PAE ProductProviderFieldApplicationEngineer. The product provider FieldApplication Engineer.  PCW Primary Contract With - The primary party with whom a contract formed.  PNB Planning By - The party who establishes goals, policies or procedures.  PSR ProductProviderSalesRepresentative. The product provider sales representative.  PUR Purchased by - The party who is a purchaser of a product.  REA Requested approval by - The party who has been selected to apprequest.  REC Received by - The party who has received a product shipment.  REC Received by - The party who has initiated a request.  RES Respond to - The party to whom a responding business document be sent when it is not equal to the partner specified in the document be sent when it is not equal to the partner specified in the document of the partner of the party that releases the comment.  REV Reviewed by - The party responsible for reviewing a business document.  RER Released By - This object represents the party that releases the comment of the partner of a product.  RES Repaired By - The collection of business properties used to identification of the partner of a pusiness document sent.  RPB Repaired By - The collection of business properties used to identification of pusiness partner responsible for the repair or rework of a product.	
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	d to be
RTT ReturnTo - The partner and/or location to which the returned promust be delivered.	oduct
SBF Self-billing from - The party who initiates the billing in self-billing scenario.	)

CDT	Colf billing to The party whom the invoice is addressed to
SBT	Self-billing to - The party whom the invoice is addressed to.
SCB	Subcontracted By - The party who is contracted to perform part or all of another party's contract.
SCP	Shipping charges paid by - The party responsible for administering payment of the shipping charges.
SCW	Secondary Contract With - The subsequent party(ies) with whom a contract is formed.
SHF	Ship From - The collection of business properties used to identify the business partner initiating a shipment or transaction.
SHT	Ship To - The partner and/or location to which the product must be delivered.
SLD	Sold to - The party to whom a product has been sold.
SOB	Sold By - The seller involved in a business transaction.
SPL	Supplied by - The party who supplies an item, part or assembly.
SPS	Service Provider Site - Identification for the location of the ASP site
	that is ordering the replacement parts and/or performing the repair.
SRT	Submit returns to - The party to whom product returns are to be submitted.
STR	Stored By - This object represents the party that stores the goods.
SVA	ShipVia - The partner and/or location through which the product must
SVA	be shipped, such as the "cross dock" at a shipping hub.
	It must not be specified for the last leg, since this would be the same
	as the final destination specified in the ShipmentInformation/shipTo.
TFR	Transfer From - The party responsible for making the payment (Payer).
TIA	To Install At - The collection of receiver business properties that
	describes business partners' identity, their contact information, where
	they are physically located and their function in a supply chain.
TMT	Transfer Manufacturing To - The movement of the manufacturing
	process to another site.
TRA	Transported by - The party responsible for either carrying or
	forwarding the product.
TSB	Tested By - The collection of business properties used to identify the
	specific location and resources used to conduct a defined cycle or steps
	or measurements required to confirm a result or event.
TTR	Transfer To - The party who is receiving the payment (payee).
ULR	Ultimate recipient - The party who ultimately receives the shipment,
	when an intermediate party takes responsibility for payment and final delivery.
USE	Used by - The party who is the end user of the product.
UST	Unstuffed By - This object represents the party that unstuffs the goods.
WHB	Warehoused By - The party who stocks or stores products.
	The state of the party in the state of the s

# 4. System Structure

### 4.1 BusinessProcessIdentifier

A Business Process Identifier to uniquely define the TPIR-PIP 'role' within a Business Scenario at a company or MNC level. The identifier MUST be composed of alphanumeric characters only and its length MUST be between one and twelve characters.

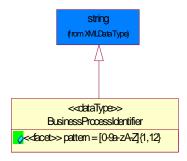


Figure 4-1 BusinessProcessIdentifier

Attribute	Туре	Documentation
pattern		[0-9a-zA-Z]{1,12}

#### 4.2 BusinessServiceInformation

The object allows the specification of the business service utilized within the partner company. This may or may not be the same as the information sent by the RNIF.

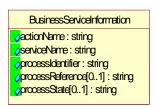


Figure 4-2 BusinessServiceInformation

Attribute	Туре	Documentation
actionName	string	The name of Action. For RosettaNet usually any of Request/Confirm/Notify/Query/Response.
serviceName	string	The name of the Business Activity with the "Request/Confirm" part removed. E.g., for the Activity "Request Purchase Order"==> "Purchase Order".
processIdentifier	string	The name of the PIP e.g. Notify of Forecast Reply.
processReference[01]	string	The URN for the PIP that includes Cluster/Segment/Process pattern used to identify the interface process (such as PIP3A4)
processState[01]	string	The business process (or service) state of the

sender of a document. When a service receives this document, the receiver may use the state as
a precondition.

### 4.3 ContractInformation

A block of information used to correlate a contract in an executing choreography.

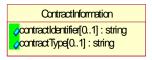


Figure 4-3 ContractInformation

Attribute	Type	Documentation	
contractIdentifier[01]	string	Unique identification of a contract between the	
		Sender and the Receiver	
contractType[01]	string	The type of the contract: an attribute describing the type of the ContractIndentification. Valid values are URI, URN,ebXMLCPA, or other values defined by partners.	

# 4.4 CorrelationInformation

A block of information used to correlate a requesting document to a responding document and to the contract in an executing choreography.

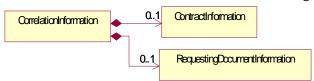


Figure 4-4 CorrelationInformation

Composition	Cardinality	Туре	Documentation
ContractInformati	01	ContractInformati	A block of information used
on		on	to correlate a contract in an
			executing choreography.
RequestingDocum	01	RequestingDocum	A block of information used
entInformation		entInformation	to correlate a requesting
			document to a responding
			document in an executing
			choreography.

# 4.5 DocumentHeader

The object allows for the identification of the sender and receiver of the business document.

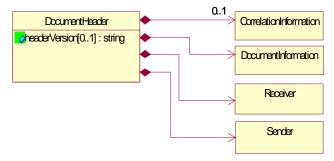


Figure 4-5 DocumentHeader

Attribute	Туре	Documentation	
headerVersion[01]	string	The UN/CEFACT version of the document	
		header.	

Composition	Cardinality	Туре	Documentation
Sender	1	Sender	The object allows the identification of the initiating party of the business message.
CorrelationInform ation	01	CorrelationInform ation	A block of information used to correlate a requesting document to a responding document and to the contract in an executing choreography.
DocumentInforma tion	1	DocumentInforma tion	The object specifies information to identify the business document, a summary of attachments, and information about the business document security.
Receiver	1	Receiver	The object allows the identification of the receiving party of the business message.

## 4.6 DocumentIdentification

The object specifies all information necessary to identify the business document.

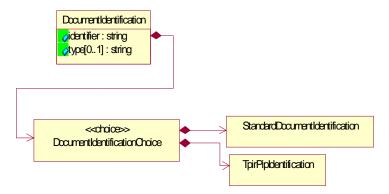


Figure 4-6 DocumentI dentification

Attribute	Туре	Documentation	
identifier	string	The unique identifier for the document being sent.	
type[01]	string	Name of the Action Message	

Composition	Cardinality	Туре	Documentation
DocumentIdentifi	1	DocumentIdentific	
cationChoice		ationChoice	

## 4.7 DocumentIdentificationChoice

Composition	Cardinality	Туре	Documentation
StandardDocume	1	StandardDocume	The object specifies
ntIdentification		ntIdentification	additional information necessary to identify the
			standard business
			document.
TpirPipIdentificati	1	TpirPipIdentificati	The object specifies all
on		on	information necessary to
			uniquely identify a TPIR-PIP
			within a Registry or trading
			partner repository.

### 4.8 DocumentInformation

The object specifies information to identify the business document, a summary of attachments, and information about the business document security.

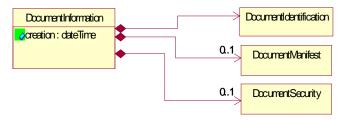


Figure 4-7 DocumentInformation

Attribute	Туре	Documentation	
creation	dateTime	The creation date and time of the specified Business	
		Document (i.e. the Purchase Order date).	

Composition	Cardinality	Туре	Documentation
DocumentIdentifi	1	DocumentIdentific	The object specifies all
cation		ation	information necessary to
			identify the business
			document.
DocumentSecurit	01	DocumentSecurity	The object provides
У			additional granularity in
			specifying business
			document security (this is in
			addition to the specified PIP
			security).
DocumentManifes	01	DocumentManifes	The block provides a brief
t		t	summary of attachments
			and Service Content.

### 4.9 DocumentManifest

The block provides a brief summary of attachments and Service Content.



Figure 4-8 DocumentManifest

Attribute	Туре	Documentation
multipleType[01]	boolean	Indicates whether the manifest contains
		documents of multiple types. True if yes, and
		False if no.
numberOfItems	positiveInt eger	Total number of documents in the message. The physical count of the attachments in the payload
	191	plus the RosettaNet Business Message (for

	Service Content). The value of this field will be at
	least 1.

Composition	Cardinality	Туре	Documentation
ManifestItem	1n	ManifestItem	The object provides details
			about the specific
			attachment(s).

# 4.10 DocumentSecurity

The object provides additional granularity in specifying business document security (this is in addition to the specified PIP security).



Figure 4-9 DocumentSecurity

Attribute	Туре	Documentation
nonRepudiableReceipt	boolean	The value "true" will indicate that a signed acknowledgement for the business document is necessary.
persistentEncryption	boolean	The value "true" will indicate that the Business Document (including the header) needs to be encrypted when stored or transported.
persistentSignature	boolean	The value "true" will indicate that a signature is required to be stored with the document while stored or transported.

### 4.11 ManifestItem

The object provides details about the specific attachment(s).

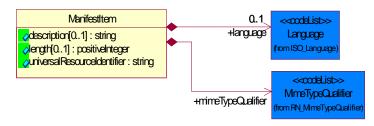


Figure 4-10 ManifestItem

Attribute	Туре	Documentation
description[01]	string	A description of the attachment.
length[01]	positiveInt	The size of the attachment in bytes (i.e. 1
	eger	000 000 bytes)
universalResourceIdentif	string	The generic set of all names/addresses that
ier		are short strings that refer to resources.

Composition	Cardinality	Туре	Documentation
mimeTypeQualifie	1	MimeTypeQualifie	The MIME type as defined by
r		r	IANA.
			Please refer to
			http://www.iana.org/assign
			ments/media-types/ for a
			list of types.
language	01	Language	For representation of
			Language name RosettaNet
			has adopted ISO 639-2;
			1998. Refer to the following
			web page to get the latest
			version of the standard:
			http://www.loc.gov/standard
			s/iso639-2/iso639jac.html
			If you need more
			information about the ISO
			standard please contact ISO
			for more details.

# 4.12 PipIdentifier

PIP Identification.[ i.e. PIP3A4]

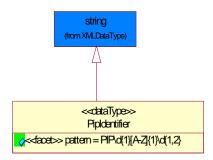


Figure 4-11 PipI dentifier

Attribute	Туре	Documentation
pattern		PIP\d{1}[A-Z]{1}\d{1,2}

# 4.13 PipVersion

PIP version number (i.e. 02.02.00).

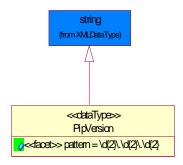


Figure 4-12 PipVersion

Attribute	Туре	Documentation
pattern		\d{2}\.\d{2}\.\d{2}

### 4.14 Receiver

The object allows the identification of the receiving party of the business message.

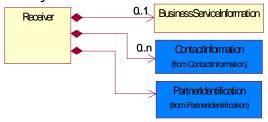


Figure 4-13 Receiver

Composition	Cardinality	Туре	Documentation
BusinessServiceIn formation	01	BusinessServiceIn formation	The object allows the specification of the business service utilized within the partner company. This may or may not be the same as the information sent by the RNIF.
PartnerIdentificati on	1	PartnerIdentificati on	The business document must allow for the identity of one or more parties to the transaction.
ContactInformatio n	0n	ContactInformatio n	The business document must allow for the identification of the name of the department, service or individual to be contacted regarding the context of the business document.

# 4.15 RequestingDocumentInformation

A block of information used to correlate a requesting document to a responding

document in an executing choreography.

RequestingDocumentInformation

cousinessProcessInstanceIdentifier[0..1]: string
responseDateTime[0..1]: dateTime
requestingDocumentOreationDateTime[0..1]: dateTime
requestingDocumentInstanceIdentifier: string

Figure 4-14 RequestingDocumentInformation

Attribute	Туре	Documentation
businessProcessInstance Identifier[01]	string	The identifier for the public business process instance being sent that both the sender and receiver can identify.
responseDateTime[01]	dateTime	The expected time to receive the response. This can not be greater than the PIP TimeToPerform.
requestingDocumentCre ationDateTime[01]	dateTime	The date-time of the requesting business document.
requestingDocumentInst anceIdentifier	string	The Business Document identification number that identifies the requesting Business Document.

## 4.16 Sender

The object allows the identification of the initiating party of the business message.

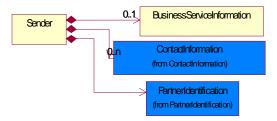


Figure 4-15 Sender

Composition	Cardinality	Туре	Documentation
PartnerIdentificati on	1	PartnerIdentificati on	The business document must allow for the identity of one or more parties to the transaction.
BusinessServiceIn formation	01	BusinessServiceIn formation	The object allows the specification of the business service utilized within the partner company. This may or may not be the same as the information sent by the RNIF.
ContactInformatio n	0n	ContactInformatio n	The business document must allow for the identification of the name of the department,

PIP3C9	Validated 11.01.00	Description of Message
		service or individual to be contacted regarding the context of the business document.

### 4.17 StandardDocumentIdentification

The object specifies additional information necessary to identify the standard business document.

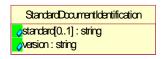


Figure 4-16 StandardDocumentIdentification

Attribute	Туре	Documentation
standard[01]	string	Identifies the standard used to submit the
		business document. (e.g. RosettaNet).
version	string	PIP3A4v01.00

# 4.18 TpirPipIdentification

The object specifies all information necessary to uniquely identify a TPIR-PIP within a Registry or trading partner repository.



Figure 4-17 TpirPipI dentification

Attribute	Туре	Documentation
partnerId	DUNSPlus4	The Trading Partner Identification of MNC
		that is creating this TPIR PIP.
pipIdentifier	PipIdentifie	A TPIR PIP Identification [i.e., 3A4 ).
	r	
pipVersion	PipVersion	A TPIR PIP version number (i.e., 02.02.00)
tpirPipVersion	VersionIde	A TPIR-PIP Version Number (i.e., major and
	ntifier	minor version number as XX.XX).
tpirBusinessProcessIden tifier[01]	BusinessPr ocessIdent ifier	A Business Process Identifier to uniquely define the TPIR-PIP 'role' within a Business Scenario at a company or MNC level. The identifier MUST be composed of alphanumeric characters only and its length MUST be between one and twelve characters.
uri[01]	anyURI	Describes the destination uri for the TPIR form.

Composition	Cardinality	Туре	Documentation

fileType	01	TPIRFileType	Describes the file type of the
			TPIR form (PDF, XDP or
			XML).

## 4.19 VersionI dentifier

Version Number (i.e., major and minor version number as XX.XX).

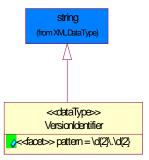


Figure 4-18 VersionIdentifier

Attribute	Туре	Documentation
pattern		\d{2}\.\d{2}

## 4.20 CodeList

# 4.20.1 TPIRFileType

A code identifying the file type of TPIR form.

Name	Documentation
PDF	Portable Document Format.
XDP	XML Data Package.
XML	eXtensible Markup Language.

# 5. XML Data Type

# 5.1 anyURI

Represents a URI as defined by RFC 2396. An anyURI value can be absolute or relative, and may have an optional fragment identifier.

#### 5.2 boolean

Represents Boolean values, which are either "true" or "false".

#### 5.3 date

For the represents a calendar date.

The pattern for a date is CCYY-MM-DD where CC represents the century, YY the year, MM the month, and DD the day, with an optional time zone indicator as allowed for dateTime.

#### 5.4 dateTime

Represents a specific instance of time.

The pattern for dateTime is CCYY-MM-DDThh: mm:ss where CC represents the century, YY the year, MM the month, and DD the day, preceded by an optional leading negative (-) character to indicate a negative number. If the negative character is omitted, positive (+) is assumed. The T is the date/time separator and hh, mm, and ss represent hour, minute, and second respectively. Additional digits can be used to increase the precision of fractional seconds if desired. For example, the format ss.ss... with any number of digits after the decimal point is supported. The fractional seconds part is optional.

This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or to indicate the time zone. For example, the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh: mm (minutes is required). If the time zone is included, both hours and minutes must be present.

#### 5.5 double

Represents double-precision 64-bit floating-point numbers.

### 5.6 float

Represents single-precision 32-bit floating-point numbers.

# 5.7 positiveInteger

Represents an integer that is greater than zero. This data type is derived from nonNegativeInteger.

# 5.8 string

Represents character string.