

Author:

Michael Seubert
 Dirk Richtsteiger
 Monica Reidl
 Steffen Wolf



Data Type Catalog

- Core Data Types
- Global Data Types

Part 9: 11 Definitions of GDT Templates

History

Version	Status	Date
2.1	Released	03/01/2012

GDT		Category	Object Class	Property Term	Representation	Database	Length	Cardinality
Price		complexType		Price	Price			
	Amount	element	Price	Amount	Details	gd.Amount	max. 255	1
		Currency Code	Amount	Currency	Code	cd.tkn	3	1
	Base Quantity	element	Price	Base Quantity	Details	gd.Quantity	max. 255	1
		Unit Code	Quantity	Unit	Code	cd.tkn	1..3	1

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11.1 BusinessTransactionDocumentLocation_Template

11.1.1 Definition

A template that comprises the maximal possible set of attributes and elements for the BusinessTransactionDocumentLocations projected from the template.

A BusinessTransactionDocumentLocation contains the information that is exchanged in business documents about a location relevant for business transactions.

This information identifies the location and its address. The identification may be a company-internal ID, a standardized ID, or one or several partner-specific IDs. If the location is an address only, it may be identified via reference to this address.

A location is a logical or a physical place.

11.1.1.1 Comment

An ID for a location assigned by a party identifies in the name the role the assigning party plays in the business transaction. At present, these are the role descriptions: Buyer, Seller, ProductRecipient, Vendor, BillTo, and BillFrom .

11.1.1.2 Dictionary Entry Name

Business Transaction Document Location _Template. Details

11.1.2 Example

According to the rule Rx (see policy on name formation by Jürgen Wagner), the GDT name BusinessTransactionDocumentLocation is converted in the XML instance as shown in the example.

```
<InventoryChange>
  <Location>
    <StandardID schemeAgencyID="16"> 4711 </StandardID>
```

```

<BuyerID>9873</BuyerID>
<Address>
[... ]
</Address>
<RoleCategoryCode> 1 </RoleCategoryCode>
</Location>
</InventoryChange>
    
```

11.1.3 Structure

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
BusinessTransactionDocume ntLocation_Template			Business Transaction Document Location _Template		Details					
	InternalID	E	Business Transaction Document Location _Template	Internal_ Identification	Identifier	GDT	LocationInternalID		0..1	
	UUID	E	Business Transaction Document Location _Template	Identification	Identifier	GDT	UUID		0..1	
	StandardID	E	Business Transaction Document Location _Template	Internal_ Identification	Identifier	GDT	LocationStandardID		0..n	
	BuyerID	E	Business Transaction Document Location _Template	Buyer_ Identification	Identifier	GDT	LocationPartyID		0..1	
	SellerID	E	Business Transaction Document Location _Template	Seller_ Identification	Identifier	GDT	LocationPartyID		0..1	
	ProductRecipientID	E	Business Transaction Document Location _Template	Product Recipient_ Identification	Identifier	GDT	LocationPartyID		0..1	

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
	VendorID	E	Business Transaction Document Location Template	Vendor_ Identification	Identifier	GDT	LocationPartyID		0..1	
	BillToID	E	Business Transaction Document Location Template	Bill To_ Identification	Identifier	GDT	LocationPartyID		0..1	
	BillFromID	E	Business Transaction Document Location Template	Bill From_ Identification	Identifier	GDT	LocationPartyID		0..1	
	BidderID	E	Business Transaction Document Location Template	Bidder_ Identification	Identifier	GDT	LocationPartyID		0..1	
	DeterminationMethodCode	E	Business Transaction Document Location Template	DeterminationMethod	Code	GDT	LocationDeterminationMethodCode		0..1	
	AddressReference	E	Business Transaction Document Location Template	Address Reference	Details	GDT	LocationAddressReference		0..1	
	Address	E	Business Transaction Document Location Template	Address	Details		Address		0..1	
	Note	E	Business Transaction Document Location Template	Note	Text	GDT	Note		0..1	

11.1.4 Detailed Description and Value Ranges

Attribute / Element	Detailed Description
InternalID	Proprietary identifier that is used when both sender and recipient can access shared master data (extended enterprise)
UUID	Universally unique identifier that is used when both sender and recipient can access shared master data (extended enterprise)

Attribute / Element	Detailed Description
StandardID	Standardized identifiers, whose identification schemes are managed by an agency from the DE 3055 code list
BuyerID	Identifier that is used by the BuyerParty proprietarily for this location
SellerID	Identifier that is used by the SellerParty proprietarily for this location
ProductRecipientID	Identifier that is used by the ProductRecipientParty proprietarily for this location
VendorID	Identifier that is used by the VendorParty proprietarily for this location
BillToID	Identifier that is used by the BillToParty proprietarily for this location
BillFromID	Identifier that is used by the BillFromParty proprietarily for this location
BidderID	Identifier that is used by the BidderParty proprietarily for this location
DeterminationMethodCode	Method how the location was determined.
AddressReference	Reference to the address of a BusinessTransactionDocumentLocation
Address	Address describes the location by specifying postal address, geographic coordinates, and so on
Note	Additional information, for example, directions

11.1.5 Integrity Conditions

The different IDs of a BusinessTransactionDocumentLocation always identify the same location.

A location is identified in the following (complementary) ways:

- Either InternalID or AddressReference (if location is described by an master data address): This is possible when sender and recipient can access shared master data
- StandardID: when sender and recipient can manage standardized identifiers
- PartyIDs: when sender and recipient are interested in the PartyIDs assigned by the parties involved
- UUID: only optional in addition to an InternalID (see integrity conditions for InternalID)

From all of the IDs available to the sender, generally only the IDs that the recipient is expected to understand are used. The GDT BusinessTransaction-DocumentLocation can only be used in business documents (BusinessTransactionDocuments).

11.1.6 Use

None specified.

11.1.7 Notes

None specified.

11.2 BusinessTransactionDocumentParty_Template

11.2.1 Definition

A template that comprises the maximal possible set of attributes and elements for the BusinessTransactionDocumentParties projected from the template.

A BusinessTransactionDocumentParty contains the information that is exchanged - in accordance with common business understanding - in business documents about a party involved in business transactions.

This information is used to identify the party and the party's address, as well as the party's contact person and the contact person's address.

This identification can take place using an internal ID, a standardized ID, or IDs assigned by the parties involved.

11.2.1.1 Comment

A party is a natural person, organization, or business partner group in which a company has a business or intra-enterprise interest. This could be a person, organization, or group within or outside of the company.

An ID assigned by a party identifies in the name the role the assigning party plays in the business transaction. At present, the roles are Buyer, Seller, ProductRecipient, Vendor, BillTo, BillFrom and Bidder.

11.2.1.2 Dictionary Entry Name

Business Transaction Document Party _Template. Details

11.2.2 Example

The examples show the xml instance of the GDT BusinessTransactionDocumentParty within a purchase order for different identification types (standard ID, party IDs, internal ID). Here, the party assumes the role of Buyer.

According to the rule R38, the GDT name BusinessTransactionDocumentParty is converted in the XML instance as shown in the examples.

Example 1) Standard ID, PartyIDs

```
< PurchaseOrder >
?
  < BuyerParty >
    < StandardID schemeAgencyID="016" >4711</ StandardID >
    < BuyerID >9873</ BuyerID >
    < SellerID >487847</ SellerID >
    < Address >?</ Address >
    < ContactPerson >
      < BuyerID >9874</ BuyerID >
      < SellerID >487848</ SellerID >
      < Address >?</ Address >
    </ ContactPerson >
  </ BuyerParty >
</ PurchaseOrder >
```

schemeAgencyID="016" corresponds to Dun&Bradstreet according to code list D3055 that means that the DUNS number is assigned by Dun&Bradstreet.

Example 2) Internal ID

```
< PurchaseOrder >
?
  < BuyerParty >
    < InternalID schemeID="PartyID" schemeAgencyID="BPL_300" >747< /InternalID >
    < Address >?</ Address >
    < ContactPerson >
      < InternalID schemeID="PartyID" schemeAgencyID="BPL_300" >737< /InternalID >
      < Address >?</ Address >
    </ ContactPerson >
  </ BuyerParty >
</ PurchaseOrder >
```

schemeID="PartyID" indicates that the scheme "PartyID" was used to identify the party.

schemeAgencyID="BPL_300" indicates that the scheme was assigned by the SAP CMDM system "BPL_300".

11.2.3 Structure

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
BusinessTransactionDocume ntParty_Template			Business Transaction Document Party _Template		Details					
	InternalID	E	Business Transaction Document Party _Template	Internal_ Identification	Identifier	GDT	PartyInternalID		0..1	
	UUID	E	Business Transaction Document Party _Template	Universally Unique_ Identification	Identifier	GDT	UUID		0..1	
	StandardID	E	Business Transaction Document Party _Template	Standard_ Identification	Identifier	GDT	PartyStandardID		0..n	
	BuyerID	E	Business Transaction Document Party _Template	Buyer_ Identification	Identifier	GDT	PartyPartyID		0..1	
	SellerID	E	Business Transaction Document Party _Template	Seller_ Identification	Identifier	GDT	PartyPartyID		0..1	
	ProductRecipientID	E	Business Transaction Document Party _Template	Product Recipient_ Identification	Identifier	GDT	PartyPartyID		0..1	
	VendorID	E	Business Transaction Document Party _Template	Vendor_ Identification	Identifier	GDT	PartyPartyID		0..1	
	BillToID	E	Business Transaction Document Party _Template	BillTo_ Identification	Identifier	GDT	PartyPartyID		0..1	
	BillFromID	E	Business Transaction	BillFrom_ Identification	Identifier	GDT	PartyPartyID		0..1	

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GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
			Document Party _Template							
	BidderID	E	Business Transaction Document Party _Template	Bidder_ Identification	Identifier	GDT	PartyPartyID		0..1	
	PaymentTransactionInitiatorID	E	Business Transaction Document Party _Template	Payment Transaction Initiator_ Identification	Identifier	GDT	PartyPartyID		0..1	
	PaymentTransactionDestinatedID	E	Business Transaction Document Party _Template	Payment Transaction Destinated_ Identification	Identifier	GDT	PartyPartyID		0..1	
	TaxID	E	Business Transaction Document Party _Template	TaxIdentification	Identifier	GDT	PartyTaxID		0..1	
	ClearingHouseID	E	Business Transaction Document Party _Template	Clearing House	Identifier	GDT	PartyPartyID		0..1	
	TypeCode	E	Business Transaction Document Party _Template	BusinessObjectType	Code	GDT	BusinessObjectType Code		0..1	
	DeterminationMethodCode	E	Business Transaction Document Party _Template	DeterminationMethod	Code	GDT	PartyDeterminationM ethodCode		0..1	
	AddressReference	E	Business Transaction Document Party _Template	AddressReference	Details	GDT	PartyAddressReferen ce		0..1	
	Address	E	Business Transaction Document Party _Template	Address	Details		Address		0..1	
	ContactPerson	E	Business Transaction Document Party _Template	Contact Person	Details		ContactPerson		0..n	

11.2.4 Detailed Description and Value Ranges

Attribute / Element	Detailed Description
InternalID	Proprietary identifier that is used when both sender and recipient can access shared master data (extended enterprise)
UUID	Universally unique identifier that is used when both sender and recipient can access shared master data (extended enterprise)
StandardID	Standardized identifier for this party, whose identification scheme is managed by an agency from the DE 3055 code list.
BuyerID	Identifier that is used by the BuyerParty for this party
SellerID	Identifier that is used by the SellerParty for this party
ProductRecipientID	Identifier that is used by the ProductRecipientParty for this party
VendorID	Identifier that is used by the VendorParty for this party
BillToID	Identifier that is used by the BillToParty for this party
BillFromID	Identifier that is used by the BillFromParty for this party
BidderID	Identifier that is used by the BidderParty for this party
PaymentTransactionInitiatorID	Identifier that is used by the PaymentTransactionInitiatorParty for this party
PaymentTransactionDestinatedID	Identifier that is used by the PaymentTransactionDestinatedParty for this party
TaxID	Identifier issued by an tax authority for a party
ClearingHouseID	Identifier that is used by the ClearingHouseParty for this party
TypeCode	BusinessObjectTypeCode of the party (Company, CostCentre, SalesUnit, ServiceUnit, PurchasingUnit, ReportingLineUnit, Supplier, Customer, Employee or BusinessPartner).
DeterminationMethodCode	Method how the party was determined.
AddressReference	Reference to an address of a party in master data

Attribute / Element	Detailed Description
Address	Address of the party
ContactPerson	Contact person of the party

11.2.5 Integrity Conditions

The different IDs of a BusinessTransactionDocumentParty always identify the same party.

A party is identified in the following (complementary) ways:

- InternalID: when sender and recipient can access shared master data
- StandardID: when sender and recipient can manage standardized identifiers
- PartytPartyIDs: when sender and recipient are interested in the PartyIDs assigned by the parties involved
- UUID: only optional in addition to an InternalID (see integrity conditions for InternalID)

Of all of the IDs available to the sender, generally only IDs that the recipient is expected to understand are used in a message.

The GDT BusinessTransactionDocumentParty can only be used in business documents (BusinessTransactionDocuments).

11.2.6 Use

The GDT BusinessTransactionDocumentParty is used in messages for internal and external communication to transmit required information about the parties involved.

11.2.7 Notes

None specified.

11.3 BusinessTransactionDocumentProduct_Template

11.3.1 Definition

A template that comprises the maximal possible set of attributes and elements for the BusinessTransactionDocumentProducts projected from the template.

A BusinessTransactionDocumentProduct contains the information that is exchanged - in accordance with common business understanding - in business documents about a product.

This information identifies the product and product type, and describes the product.

This identification can occur using an internal ID, a standardized ID, or IDs assigned by the parties involved.

11.3.1.1 Comment

A product is either a tangible or intangible good, and is a part of the business activities of a company. It can be traded and contributes directly or indirectly to value added.

An ID assigned by a party identifies in the name the role the assigning party plays in the business transaction. At present, the roles are Buyer, Seller, ProductRecipient, Vendor, Manufacturer, BillTo, BillFrom and Bidder.

11.3.1.2 Dictionary Entry Name

Business Transaction Document Product _Template. Details

11.3.2 Example

According to the rule Rx (see Guideline Data Types), the GDT name BusinessTransactionDocumentProduct is converted to the XML instance as shown in the examples.

Example 1) Standard ID, PartyIDs

```
<PurchaseOrder>
```

```
...
```

```
<Product>
```

```

<StandardID schemeAgencyID="9">4711</StandardID>
<BuyerID>A6B7915634654</BuyerID>
<SellerID>234532358B4</SellerID>
<ManufacturerID>6546</ManufacturerID>
<TypeCode>1</TypeCode>
<Note>SAP NetWeaver</Note>
</Product>
</PurchaseOrder>

```

schemeAgencyID="9" corresponds to "EAN" according to code list DE 3055, i.e., it is an "International Article Numbering Association" assigned GTIN number.

TypeCode="1" indicates it is the product type "Material".

Example 2) Internal ID

```

<PurchaseOrder>

```

```

...
<Product>
<InternalID schemeID="ProductGUID" schemeAgencyID="MPL_002">1C743CEC501F6A4D8826C7EC5A8554B9</InternalID>
<TypeCode>1</TypeCode>
<Note>SAP NetWeaver</Note>
</Product>
</PurchaseOrder>

```

schemeID="PartyGUID" indicates that the scheme "ProductGUID" was used to identify the product.

schemeAgencyID="MPL_002" indicates that the scheme was assigned by the business system "MPL_002".

11.3.3 Structure

GDT	Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
BusinessTransactionDocumentProduct_Template		Business Transaction Document Product		Details					

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GDT	Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
		_Template							
	E	Business Transaction Document Product _Template	Internal_ Identification	Identifier	GDT	ProductInternalID		0..1	
	E	Business Transaction Document Product _Template	Universally Unique_ Identification	Identifier	GDT	UUID		0..1	
	E	Business Transaction Document Product _Template	Standard_ Identification	Identifier	GDT	ProductStandardID		0..n	
	E	Business Transaction Document Product _Template	Serial_ Identification	Identifier	GDT	SerialID		0..n	
	E	Business Transaction Document Product _Template	Buyer_ Identification	Identifier	GDT	ProductPartyID		0..1	
	E	Business Transaction Document Product _Template	Seller_ Identification	Identifier	GDT	ProductPartyID		0..1	
	E	Business Transaction Document Product _Template	Product Recipient_ Identification	Identifier	GDT	ProductPartyID		0..1	
	E	Business Transaction Document Product _Template	Vendor_ Identification	Identifier	GDT	ProductPartyID		0..1	
	E	Business Transaction Document Product _Template	Manufacturer_ Identification	Identifier	GDT	ProductPartyID		0..1	
	E	Business Transaction Document Product _Template	Bill To_ Identification	Identifier	GDT	ProductPartyID		0..1	
	E	Business Transaction	Bill From_ Identification	Identifier	GDT	ProductPartyID		0..1	

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
			Document Product _Template							
	BidderID	E	Business Transaction Document Product _Template	Bidder_ Identification	Identifier	GDT	ProductPartyID		0..1	
	TypeCode	E	Business Transaction Document Product _Template	Type Code	Code	GDT	ProductTypeCode		0..1	
	SerialIdentifierProvisionRequi rementCode	E	Business Transaction Document Product _Template	Serial Identifier Provision Requirement	Code	GDT	SerialIdentifierProvisi onRequirementCode		0..1	
	Note	E	Business Transaction Document Product _Template	Note	Text	GDT	Note		0..1	
	ChangeID	E	Business Transaction Document Product _Template	Change Identification	Identifier	GDT	ProductChangeID		0..1	
	DiscontinuationIndicator	E	Business Transaction Document Product _Template	Discontinuation	Indicator	CDT	Indicator		0..1	
	PackageQuantity	E	Business Transaction Document Product _Template	Package_ Quantity	Quantity	CDT	Quantity		0..1	

11.3.4 Detailed Description and Value Ranges

Attribute / Element	Detailed Description
InternalID	Proprietary identifier for the product that is used when both sender and recipient can access shared master data (extended enterprise)
UUID	Universally unique identifier that is used when both sender and recipient can access shared master data (extended enterprise)

Attribute / Element	Detailed Description
StandardID	Standardized identifier for this product, whose identification scheme is managed by an agency from the DE 3055 code list
SerialID	Serial identifier (serial number) for this product that was assigned in the context of production.
BuyerID	Identifier that is used proprietarily by the BuyerParty for this product
SellerID	Identifier that is used proprietarily by the SellerParty for this product
ProductRecipientID	Identifier that is used proprietarily by the ProductRecipientParty for this product
VendorID	Identifier that is used proprietarily by the VendorParty for this product
ManufacturerID	Identifier that is used proprietarily by the ManufacturerParty for this product.
BillToID	Identifier that is used proprietarily by the BillToParty for this product
BillFromID	Identifier that is used proprietarily by the BillFromParty for this product
BidderID	Identifier that is used proprietarily by the BidderParty for this product
TypeCode	Coded representation of the type of a product; possible values are "1" = material and "2" = service product (see GDT ProductTypeCode)
SerialIdentifierProvisionRequirementCode	Coded representation of a requirement to provide a serial identifier for the product.
Note	Product description
ChangeID	Unique identifier for a change to a product that has no effect on the properties that are relevant for the user.
DiscontinuationIndicator	Indicates whether the offering of a product is to be discontinued, i.e., removed from the line.
PackageQuantity	Amount per container (package amount). This information is necessary if different package quantities are relevant, but the same product ID can have different package quantities depending on the item. This information is variable movement data at time of the message.

11.3.5 Integrity Conditions

The different IDs of a BusinessTransactionDocumentProduct always identify the same product.

Identification of a product takes place in the following (complimentary) ways:

- InternalID: when sender and recipient can access shared master data
- StandardID: when sender and recipient can manage standardized identifiers
- ProductPartyIDs: when sender and recipient are interested in the ProductIDs assigned by the parties involved
- UUID: only optional in addition to an InternalID (see integrity conditions for InternalID)

Of all of the IDs available to the sender, generally only IDs that the recipient is expected to understand are used in a message.

The GDT BusinessTransactionDocument Product can only be used in business documents (BusinessTransactionDocuments).

The maximum occurrence of the element StandardID is n times.

11.3.6 Use

The GDT BusinessTransactionDocumentProduct is used in messages for internal and external communication to transmit required information about a product.

11.3.7 Notes

None specified.

11.4 OrganisationName_Template

11.4.1 Definition

A template that comprises the maximum possible set of attributes and elements for the OrganisationNames projected from the template.

11.4.1.1 Dictionary Entry Name

Organisation Name _Template. Details

11.4.2 Example

None specified.

11.4.3 Structure

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
OrganisationName_Template			Organisation Name_Template		Details					
	formOfAddressCodeDeletionRequiredIndicator	A	Organisation Name_Template	Form Of Address Code	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	firstLineNameDeletionRequiredIndicator	A	Organisation Name_Template	First Line Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	secondLineNameDeletionRequiredIndicator	A	Organisation Name_Template	Second Line Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	thirdLineNameDeletionRequiredIndicator	A	Organisation Name_Template	Third Line Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	fourthLineNameDeletionRequiredIndicator	A	Organisation Name_Template	Fourth Line Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	FormOfAddressCode	E	Organisation Name_Template	Form Of Address	Code	GDT	FormOfAddressCode		0..1	

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
	FormOfAddressName	E	Organisation Name _Template	Form Of Address	Name	CDT	MEDIUM_Name		0..1	
	FirstLineName	E	Organisation Name _Template	First Line	Name	CDT	LANGUAGEINDEPE NDENT_MEDIUM_N ame		0..1	
	SecondLineName	E	Organisation Name _Template	Second Line	Name	CDT	LANGUAGEINDEPE NDENT_MEDIUM_N ame		0..1	
	ThirdLineName	E	Organisation Name _Template	Third Line	Name	CDT	LANGUAGEINDEPE NDENT_MEDIUM_N ame		0..1	
	FourthLineName	E	Organisation Name _Template	Fourth Line	Name	CDT	LANGUAGEINDEPE NDENT_MEDIUM_N ame		0..1	

11.4.4 Detailed Description and Value Ranges

None specified.

11.4.4.1 Detailed Description of Attributes and Elements

Attribute / Element	Detailed Description
formOfAddressCodeDeletionRequiredIndicator	An indicator that indicates whether the deletion of the FormOfAddressCode is required or not.
firstLineNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the FirstLineName is required or not.
secondLineNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the SecondLineName is required or not.
thirdLineNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the ThirdLineName is required or not.

Attribute / Element	Detailed Description
fourthLineNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the FourthLineName is required or not.
FormOfAddressCode	The coded representation of a form of address.
FormOfAddressName	A name of a form of address.
FirstLineName	The name components of the organization that appear in the first name line in address formatting.
SecondLineName	The name components of the organization that appear in the second name line in address formatting.
ThirdLineName	The name components of the organization that appear in the third name line in address formatting.
FourthLineName	The name components of the organization that appear in the fourth name line in address formatting.

11.4.5 Integrity Conditions

None specified.

11.4.6 Use

A Template GDT has no implementation. It cannot be used for typing elements outside of templates.

11.4.7 Notes

None specified.

11.5 PersonName_Template

11.5.1 Definition

A template that comprises the maximum possible set of attributes and elements for the PersonNames projected from the template.

11.5.1.1 Dictionary Entry Name

Person Name _Template. Details

11.5.2 Example

11.5.3 Structure

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
PersonName_Template			Person Name_Template		Details					
	formOfAddressCodeDeletionRequiredIndicator	A	Person Name_Template	Form Of Address Code	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	givenNameDeletionRequiredIndicator	A	Person Name_Template	Given Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	middleNameDeletionRequiredIndicator	A	Person Name_Template	Middle Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	familyNameDeletionRequiredIndicator	A	Person Name_Template	Family Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	additionalFamilyNameDeletionRequiredIndicator	A	Person Name_Template	Additional Family Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	birthNameDeletionRequiredIndicator	A	Person Name_Template	Birth Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	

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GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
	initialsNameDeletionRequiredIndicator	A	Person Name_Template	Initials Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	nickNameDeletionRequiredIndicator	A	Person Name_Template	Nick Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	academicTitleCodeDeletionRequiredIndicator	A	Person Name_Template	Academic Title Code	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	additionalAcademicTitleCodeDeletionRequiredIndicator	A	Person Name_Template	Additional Academic Title Code	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	namePrefixCodeDeletionRequiredIndicator	A	Person Name_Template	Name Prefix Code	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	additionalNamePrefixCodeDeletionRequiredIndicator	A	Person Name_Template	Additional Name Prefix Code	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	nameSupplementCodeDeletionRequiredIndicator	A	Person Name_Template	Name Supplement Code	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	deviatingFullNameDeletionRequiredIndicator	A	Person Name_Template	Deviating Full Name	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	nameFormatCountryCodeDeletionRequiredIndicator	A	Person Name_Template	Name Format Country Code	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	nameFormatCodeDeletionRequiredIndicator	A	Person Name_Template	Name Format Code	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	FormOfAddressCode	E	Person Name_Template	Form Of Address	Code	GDT	FormOfAddressCode		0..1	
	FormOfAddressName	E	Person Name_Template	Form Of Address	Name	CDT	MEDIUM_Name		0..1	
	GivenName	E	Person Name_Template	Given Name	Name	CDT	LANGUAGEINDEPENDENT_MEDIUM_Name		0..1	
	MiddleName	E	Person Name_Template	Middle Name	Name	CDT	LANGUAGEINDEPENDENT_MEDIUM_Name		0..1	

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GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
	FamilyName	E	Person Name_Template	Family Name	Name	CDT	LANGUAGEINDEPENDENT_MEDIUM_Name		0..1	
	AdditionalFamilyName	E	Person Name_Template	Additional Family Name	Name	CDT	LANGUAGEINDEPENDENT_MEDIUM_Name		0..1	
	BirthName	E	Person Name_Template	Birth Name	Name	CDT	LANGUAGEINDEPENDENT_MEDIUM_Name		0..1	
	NickName	E	Person Name_Template	Nick Name	Name	CDT	LANGUAGEINDEPENDENT_MEDIUM_Name		0..1	
	InitialsName	E	Person Name_Template	Initials	Name	CDT	LANGUAGEINDEPENDENT_SHORT_Name		0..1	
	AcademicTitleCode	E	Person Name_Template	Academic Title	Code	GDT	AcademicTitleCode		0..1	
	AcademicTitleName	E	Person Name_Template	Academic Title	Name	CDT	LANGUAGEINDEPENDENT_MEDIUM_Name		0..1	
	AdditionalAcademicTitleCode	E	Person Name_Template	Additional Academic Title	Code	GDT	AcademicTitleCode		0..1	
	AdditionalAcademicTitleName	E	Person Name_Template	Additional Academic Title	Name	CDT	LANGUAGEINDEPENDENT_MEDIUM_Name		0..1	
	NamePrefixCode	E	Person Name_Template	Name Prefix	Code	GDT	FamilyNamePrefixCode		0..1	
	NamePrefixName	E	Person Name_Template	Name Prefix	Name	CDT	LANGUAGEINDEPENDENT_MEDIUM_Name		0..1	
	AdditionalNamePrefixCode	E	Person Name_Template	Additional Name Prefix	Code	GDT	FamilyNamePrefixCode		0..1	

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
	AdditionalNamePrefixName	E	Person Name _Template	Additional Name Prefix	Name	CDT	LANGUAGEINDEPENDENT_MEDIUM_Name		0..1	
	NameSupplementCode	E	Person Name _Template	Name Supplement	Code	GDT	PersonNameSupplementCode		0..1	
	NameSupplementName	E	Person Name _Template	Name Supplement	Name	CDT	LANGUAGEINDEPENDENT_MEDIUM_Name		0..1	
	DeviatingFullName	E	Person Name _Template	Deviating Full Name	Name	CDT	LANGUAGEINDEPENDENT_LONG_Name		0..1	
	NameFormatCountryCode	E	Person Name _Template	Name Format Country	Code	GDT	CountryCode		0..1	
	NameFormatCountryName	E	Person Name _Template	Name Format Country	Name	CDT	MEDIUM_Name		0..1	
	NameFormatCode	E	Person Name _Template	Name Format	Code	GDT	PersonNameFormatCode		0..1	
	NameFormatName	E	Person Name _Template	Name Format	Name	CDT	LONG_Name		0..1	

11.5.4 Detailed Description and Value Ranges

None specified.

11.5.4.1 Detailed Description of Attributes and Elements

Attribute / Element	Detailed Description
formOfAddressCodeDeletionRequiredIndicator	An indicator that indicates whether the deletion of the FormOfAddressCode is required or not.
givenNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the GivenName is required or not.

Attribute / Element	Detailed Description
icator	
middleNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the MiddleName is required or not.
familyNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the FamilyName is required or not.
additionalFamilyNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the AdditionalFamilyName is required or not.
birthNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the BirthName is required or not.
initialsNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the InitialsName is required or not.
nickNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the NickName is required or not.
academicTitleCodeDeletionRequiredIndicator	An indicator that indicates whether the deletion of the AcademicTitleCode is required or not.
additionalAcademicTitleCodeDeletionRequiredIndicator	An indicator that indicates whether the deletion of the AdditionalAcademicTitleCode is required or not.
namePrefixCodeDeletionRequiredIndicator	An indicator that indicates whether the deletion of the NamePrefixCode is required or not.
additionalNamePrefixCodeDeletionRequiredIndicator	An indicator that indicates whether the deletion of the AdditionalNamePrefixCode is required or not.
nameSupplementCodeDeletionRequiredIndicator	An indicator that indicates whether the deletion of the NameSupplementCode is required or not.
deviatingFullNameDeletionRequiredIndicator	An indicator that indicates whether the deletion of the DeviatingFullName is required or not.

Attribute / Element	Detailed Description
nameFormatCountryCodeDeletionRequiredIndicator	An indicator that indicates whether the deletion of the NameFormatCountryCode is required or not.
nameFormatCodeDeletionRequiredIndicator	An indicator that indicates whether the deletion of the NameFormatCode is required or not.
FormOfAddressCode	The coded representation of a form of address.
FormOfAddressName	A name of a form of address.
GivenName	Given name of the person
MiddleName	Second given name or middle name (for example, in Russia) of the person
FamilyName	Family name of the person
AdditionalFamilyName	Second family name of the person.
BirthName	Birth name of the person
NickName	Nick name of the person
InitialsName	Initials or middle initial of the person
AcademicTitleCode	The code for the academic title of the person
AcademicTitleName	Academic title of the person
AdditionalAcademicTitleCode	The code for the second academic title of the person
AdditionalAcademicTitleName	Second academic title of the person
NamePrefixCode	The code for the prefix for the name, for example 'Van der?
NamePrefixName	Prefix for the name, for example 'Van der?
AdditionalNamePrefixCode	The code for the second prefix for the name

Attribute / Element	Detailed Description
AdditionalNamePrefixName	Second prefix for the name
NameSupplementCode	The code of the name affix, for example, a title of nobility
NameSupplementName	Name affix, for example, a title of nobility
DeviatingFullName	Formatted name of the person if this deviates from the formatted name determined from name formatting.
NameFormatCountryCode	Country for which the name formatting rule has been defined.
NameFormatCountryName	Name of the country for which the name formatting rule has been defined.
NameFormatCode	Name formatting rule that is to be used for formatting the name.
NameFormatName	Name formatting rule that is to be used for formatting the name.

11.5.5 Integrity Conditions

At least one of the fields GivenName, FamilyName or DeviatingFullName must be filled.

The name formatting rule in the NameFormatCode must be defined for the country stored in NameFormatCountryCode.

If the NameFormatCode is blank, the standard name formatting rule for the country stored in the NameFormatCountryCode is used for name formatting.

If the NameFormatCode and NameFormatCountryCode are blank, SAP-proprietary standard rules are used for name formatting.

If both the code and the name are filled for the following code/name pairs:

- FormOfAddressCode/Name
- AcademicTitleCode/Name
- AdditionalAcademicTitleCode/Name
- NamePrefixCode/Name
- AdditionalNamePrefixCode/Name
- NameSupplementCode/Name,

then the entered name must be consistent with the entered code.

11.5.6 Use

A Template GDT has no implementation; it can't be used for typing elements outside of templates.

11.5.7 Notes

None specified.

11.6 PhoneNumber_Template

11.6.1 Definition

A template that comprises the maximum possible set of attributes and elements for the PhoneNumbers projected from the template.

11.6.1.1 Dictionary Entry Name

Phone Number _Template. Details

11.6.2 Example

None specified.

11.6.3 Structure

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
PhoneNumber_Template			Phone Number_Template		Details					
	areaIDDeletionRequiredIndicator	A	Phone Number_Template	Area Identification	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	subscriberIDDeletionRequiredIndicator	A	Phone Number_Template	Subscriber Identification	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	extensionIDDeletionRequiredIndicator	A	Phone Number_Template	Extension Identification	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	countryCodeDeletionRequiredIndicator	A	Phone Number_Template	Country Code	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	countryDiallingCodeDeletionRequiredIndicator	A	Phone Number_Template	Country Dialling Code	Deletion Required_Indicator	CDT	OPTIONAL_Indicator		0..1	
	AreaID	E	Phone Number_Template	Area Identification	Identifier	GDT	PhoneNumberAreaID		0..1	

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
	SubscriberID	E	Phone Number_Template	Subscriber Identification	Identifier	GDT	PhoneNumberSubscriberID		0..1	
	ExtensionID	E	Phone Number_Template	Extension Identification	Identifier	GDT	PhoneNumberExtensionID		0..1	
	CountryCode	E	Phone Number_Template	Country	Code	GDT	CountryCode		0..1	
	CountryDiallingCode	E	Phone Number_Template	Country Dialling	Code	GDT	CountryDiallingCode		0..1	
	CountryName	E	Phone Number_Template	Country	Name	CDT	MEDIUM_Name		0..1	

11.6.4 Detailed Description and Value Ranges

PhoneNumber contains one telephone number.

The telephone number is divided into components based on the Microsoft TAPI specification and ITU guidelines (International Telecommunication Union).

11.6.4.1 Detailed Description of Attributes and Elements

Attribute / Element	Detailed Description
arealIDDeletionRequiredIndicator	An indicator that indicates whether the deletion of the AreaID is required or not.
subscriberIDDeletionRequiredIndicator	An indicator that indicates whether the deletion of the SubscriberID is required or not.
extensionIDDeletionRequiredIndicator	An indicator that indicates whether the deletion of the ExtensionID is required or not.
countryCodeDeletionRequiredIndicator	An indicator that indicates whether the deletion of the CountryCode is required or not.

Attribute / Element	Detailed Description
indicator	
countryDiallingCodeDeletionRequiredIndicator	An indicator that indicates whether the deletion of the CountryDiallingCode is required or not.
AreaID	<p>“AreaID” indicates the area code if known separately. It is displayed in standardized format, that is, without an access code, such as 0 or 1. Alternatively, the area code can be displayed together with the telephone number in SubscriberID.</p> <p>When using a mobile phone number, AreaID contains the prefix for the mobile phone network (also without an access code).</p> <p>Synonym: AreaCodeNumber</p>
SubscriberID	<p>“SubscriberID” indicates the telephone number without the area code and without the international dialing code. Alternatively, SubscriberID can also contain the telephone number together with the area code, extension, or both. SubscriberID is displayed in a standardized format that can only contain numbers or letters and cannot contain blanks or special characters.</p> <p>Synonym: SubscriberNumber</p>
ExtensionID	<p>“ExtensionID” indicates the extension if the telephone number comprises a telephone number and an extension. Alternatively, the extension can be included in SubscriberID together with the telephone number. ExtensionID is usually empty if the telephone number is a mobile phone number.</p> <p>Synonym: ExtensionTelephoneNumber</p>
CountryCode	<p>“CountryCode” identifies the country code in accordance with ISO 3166-1. It is used to determine the international dialing code. If it is empty, the country can be derived from the address instead, provided the telephone number is given in the context of an address. The country entered in the address and the country for the telephone number can also be different if the telephone number is provided in the context of an address. The country code is more appropriate for determining the international dialing code than the standardize format (for example, +49).</p>
CountryDiallingCode	<p>CountryDiallingCode“ indicates the international dialling codes in accordance with International Telecommunication Union (ITU) recommendation E.164. It is displayed in a standard format written with a + prefix. (For example, +49). Some phones allow this + before the phone numbers to be entered directly with two consecutive presses of * key. While using fixed line to dial such numbers, “+ “is replaced with the International Call prefix. ITU approved 00 as general standard which is implemented by large number of countries, but not by all the countries.</p>
CountryName	<p>“CountryName” describes the country that is identified by the attribute CountryCode.</p>

11.6.5 Integrity Conditions

None specified.

11.6.6 Use

A Template GDT has no implementation, it can't be used for typing elements outside of templates.

11.6.7 Notes

None specified.

11.6.8 Appendix - List of Qualifiers

Qualifier	Definition
SellerPartyContactPerson	Phone number of the contact person at a seller party.

11.7 PostalRegulationsCompliantAddress_Template

11.7.1 Definition

A template that comprises the maximum possible set of attributes and elements for the PostalRegulationsCompliantAddresses projected from the template.

11.7.1.1 Dictionary Entry Name

Postal Regulations Compliant Address _Template. Details

11.7.2 Example

11.7.3 Structure

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
PostalRegulationsCompliantAddress_Template			Postal Regulations Compliant Address_Template		Details					
	FirstLine	E	Postal Regulations Compliant Address_Template	First Line	Details	GDT	PostalRegulationsCompliantAddressLine_Template		1	
	SecondLine	E	Postal Regulations Compliant Address_Template	Second Line	Details	GDT	PostalRegulationsCompliantAddressLine_Template		0..1	
	ThirdLine	E	Postal Regulations Compliant Address_Template	Third Line	Details	GDT	PostalRegulationsCompliantAddressLine_Template		0..1	
	FourthLine	E	Postal Regulations Compliant Address	Fourth Line	Details	GDT	PostalRegulationsCompliantAddressLine_		0..1	

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
			_Template				Template			
	FifthLine	E	Postal Regulations Compliant Address _Template	Fifth Line	Details	GDT	PostalRegulationsCompliantAddressLine_Template		0..1	
	SixthLine	E	Postal Regulations Compliant Address _Template	Sixth Line	Details	GDT	PostalRegulationsCompliantAddressLine_Template		0..1	
	SeventhLine	E	Postal Regulations Compliant Address _Template	Seventh Line	Details	GDT	PostalRegulationsCompliantAddressLine_Template		0..1	
	EighthLine	E	Postal Regulations Compliant Address _Template	Eighth Line	Details	GDT	PostalRegulationsCompliantAddressLine_Template		0..1	
	NinthLine	E	Postal Regulations Compliant Address _Template	Ninth Line	Details	GDT	PostalRegulationsCompliantAddressLine_Template		0..1	
	TenthLine	E	Postal Regulations Compliant Address _Template	Tenth Line	Details	GDT	PostalRegulationsCompliantAddressLine_Template		0..1	

11.7.4 Detailed Description and Value Ranges

None specified.

11.7.4.1 Detailed Description of Attributes and Elements

Attribute / Element	Detailed Description
FirstLine	The first line of the postal regulations compliant address
SecondLine	The second line of the postal regulations compliant address
ThirdLine	The third line of the postal regulations compliant address

Attribute / Element	Detailed Description
FourthLine	The fourth line of the postal regulations compliant address
FifthLine	The fifth line of the postal regulations compliant address
SixthLine	The sixth line of the postal regulations compliant address
SeventhLine	The seventh line of the postal regulations compliant address
EighthLine	The eighth line of the postal regulations compliant address
NinthLine	The ninth line of the postal regulations compliant address
TenthLine	The tenth line of the postal regulations compliant address

11.7.5 Integrity Conditions

FirstLine, SecondLine, ..., TenthLine have to be filled sequentially, for example, ThirdLine cannot be empty if FourthLine is filled.

Those elements from the Template that are typed by PostalRegulationsCompliantAddressLine_Template must be typed in projections by a corresponding projection of PostalRegulationsCompliantAddressLine_Template.

11.7.6 Use

Template GDT has no implementation, it can't be used for typing elements outside of templates.

11.7.7 Notes

None specified

11.8 PostalRegulationsCompliantAddressLine_Template

11.8.1 Definition

A template that comprises the maximum possible set of attributes and elements for the PostalRegulationsCompliantAddressLines projected from the template.

11.8.1.1 Dictionary Entry Name

Postal Regulations Compliant Address Line _Template. Details

11.8.2 Example

None specified.

11.8.3 Structure

GDT		Cat.	Object Class	Property	Representation	Type	Type Name	Length	Card.	Remarks
PostalRegulationsCompliantAddressLine_Template			Postal Regulations Compliant Address Line_Template		Details					
	ContentTypeCode	E	Postal Regulations Compliant Address Line_Template	Content Type	Code	GDT	PostalRegulationsCompliantAddressLineContentTypeCode		0..1	
	ContentTypeName	E	Postal Regulations Compliant Address Line_Template	Content Type	Name	CDT	LONG_Name		0..1	
	Description	E	Postal Regulations Compliant Address Line_Template	Description	Text	GDT	LANGUAGEINDEPENDENT_MEDIUM_Description		0..1	

11.8.4 Detailed Description and Value Ranges

None specified.

11.8.4.1 Detailed Description of Attributes and Elements

Attribute / Element	Detailed Description
ContentTypeCode	The content type of the line.
ContentTypeName	A name of a content type.
Description	The content of the line.

11.8.5 Integrity Conditions

The field Description may only be empty if the field ContentTypeCode contains the value '16' (Compulsory Empty Line).

11.8.6 Use

A Template GDT has no implementation, it can't be used for typing elements outside of templates.

11.8.7 Notes

None specified.

