



## ***MailXML Version 22.0***

### **Base Simple Types Specification**

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## Abstract

This document describes the messaging protocol for use by mailers and their consignees. The Mail.XML™ Transaction Protocol defines the roles and responsibilities of Shippers and Consignees and defines the format and method for message exchange. This messaging protocol is designed to be XML and Web-Services compliant and to work with FAST.

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## About MailXML™

Mail.XML™ is bringing a paradigm change to the industry by increasing business function specific B2B (Business to Business) communication within the industry that supports automation and in the end enables cost avoidance and higher profits through improved competence and effectiveness of communication. Mail.XML is designed to increase efficiency and lower costs by removing many manual data entry processes and enabling quick near real time communication between business partners. Mail.XML currently supports container based scheduling, pick up and drop off business processes, as well as identifying different business entities responsible for performing different services such as quality of mailing, address correction, and delivery confirmation on a mailing.

The core focus of Mail.XML is communication between industry members and from industry to the final mail processing and delivery organization that delivers the mail to the end consumer, e.g., USPS. In the next few versions of Mail.XML the focus moves across mailing supply chain channels, and includes advanced functions such as payment; automated verification; enabling first, second, and third party communication and incorporating presort planning, printing, and distribution processes.

## What's New in MailXML Version 22.0?

With this release, the Mail.XML Messaging Protocol moves to Version 22.0. In addition to minor cleanup, this release supports Mail.dat modernization and provides a new message for mailers to notify USPS of transportation dispatch details.

Changes supported by MailXML 22.0 include:

- Correct the data type of the Start induction and End induction elements to be an XML dateTime datatype.
- Update transportation messages to reflect modernization of Mail.dat transportation fields.
- Add a new ability for mailers to notify USPS of dispatch details to enable USPS to better plan in order to increase efficiencies and lower costs.

## About MailXML Schema Modularization

Today Mail.XML messages are grouped into 8 message types.

- Transportation Messages (TM)
- Mailing Messages (MM)
- Data Distribution Messages (DD)

- Dynamic Payment Template Messages
- Identification Messages (ID)
- Supply Chain Messages (SC)
- Informed Visibility (IV)
- System Messages
- Base: Shared simple types
- Definitions: Shared complex types and elements

The simple types shared across 2 or more modules are found in the Base schema. Likewise the shared definitions module contains complex type definitions and elements that are shared across 2 or more modules.

## MailXML Module Versioning Rules

The following versioning rules will be followed:

- The MailXML wrapper schema\*.xsd) will always be given the next higher version number (or Errata designation) when any update is made to base, defs or any module. The name of the .xsd file will indicate the new version and the new version number will be used in the namespace and target declarations:  
`xmlns:mailxml="http://Idealliance.org/Specs/mailxml22.0/mailxml"`  
`targetNamespace="http://Idealliance.org/Specs/mailxml22.0/mailxml"`
- When updates are made, only those modules that are updated will be given the next higher version number (or Errata letter designation).
- If updates are made to the base or defs, then the base and defs xsds will be given the next higher version number (or Errata designation) **and** all modules that call to them will also be given the next higher version number (or Errata designation).

For example:

- If the wrapper version is labeled as  
`xmlns:mailxml="http://Idealliance.org/Specs/mailxml15.0A/mailxml"` then at least one of the XSDs is at same version such as filename = 'mailxml\_15.0.A.xsd' <- Errata A
- If the wrapper version is labeled as  
`xmlns:mailxml="http://Idealliance.org/Specs/mailxml15.0B/mailxml"` then at least one of the XSDs is at same version such as filename = 'mailxml\_15.0B.xsd' <- Errata B
- If the wrapper version is labeled as  
`xmlns:mailxml="http://Idealliance.org/Specs/mailxml15.0/mailxml"` then at least one of the XSDs is at same version such as filename = 'mailxml\_15.0.xsd' <- Major Version

## MailXML 22.0 XSD Modules:

The following MailXML XSD modules/namespaces are used:

- **mailxml\_tm.xsd:** This module contains all the transportation (or FAST) messages and the attributes, elements and complex types that are *unique* to these messages. **Namespace=mailxml tm:**
- **mailxml\_mm.xsd:** This module contains all the mailing messages (eDoc) and the attributes, elements and complex types that are *unique* to these messages. **Namespace=mailxml mm:**
- **mailxml\_iv.xsd:** This module contains informed visibility messages and the attributes, elements and complex types that are *unique* to these messages. **Namespace=mailxml iv:**
- **mailxml\_dd.xsd:** This module contains all the data distribution messages and the attributes, elements and complex types that are *unique* to these messages. **Namespace=mailxml dd:**
- **mailxml\_id.xsd:** This module contains all the identification messages and the attributes, elements and complex types that are *unique* to these messages. **Namespace=mailxml id:**
- **mailxml\_sc.xsd:** This module contains all the supply chain messages and the attributes, elements and complex types that are *unique* to these messages. **Namespace=mailxml sc:**
- **mailxml\_defs.xsd:** This module contains all the common definitions of attributes, elements and complex types that are used across two or more message types. **Namespace=mailxml defs:**
- **mailxml\_base.xsd:** This module contains simple types that are shared across two or more modules that make up mailxml. These can be considered a building block for any message group. **Namespace=mailxml base:**
- **mailxml.xsd:** This module contains the system messages of MailXML and is used to build custom profiles for MailXML. **Namespace=mailxml:**

## The MailXML™ 22 Messaging Documentation Set

The Mail.XML Messaging Specification has been organized into a set of documents. This *Schemas Specification* is one document in a set of documents that make up the Mail.XML Specification 22.0. Updates in this Specification are NOT backwardly compatible with previous versions. Other documents in the specification set include:

- *Mail.XML™ 22.0: Transportation Messaging Specification* documents all transportation messages
- *Mail.XML™ 22.0: Mailing Messaging Specification* documents all mailing messages
- *Mail.XML™ 22.0: Informed Visibility Specification* documents all informed visibility messages
- *Mail.XML™ 22.0: Data Distribution Messaging Specification* documents all data distribution messages
- *Mail.XML™ 22.0: Identification Messaging Specification* documents all identification messages
- *Mail.XML™ 22.0: Supply Chain Messaging Specification* documents all supply chain messages
- *Mail.XML™ 22.0: System Messaging Specification* documents all systems and fault messages
- *Mail.XML™ 22.0: Simple Types Specification* documents all simple types used across MailXML messages
- *Mail.XML™ 22.0: Common Definitions Specification* documents all shared elements and complex types.

## MailXML Version 22.0 Identification Specification

- *Mail.XML™ 22.0: Schemas* contains the .XSDs that make up the MailXML Messaging Specification

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<a href="#"><u>mlocrRateType</u></a>	<a href="#"><u>recurringStatusType</u></a>
<a href="#"><u>monthType</u></a>	<a href="#"><u>reservationNumberType</u></a>
<a href="#"><u>moveUpdateMethodType</u></a>	<a href="#"><u>responsibleTransportationPartyType</u></a>
<a href="#"><u>MPUIDType</u></a>	<a href="#"><u>roleType</u></a>
<a href="#"><u>n01</u></a>	<a href="#"><u>RoutingZipCodeType</u></a>
<a href="#"><u>n02</u></a>	<a href="#"><u>s01</u></a>
<a href="#"><u>n03</u></a>	<a href="#"><u>s02</u></a>
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[sackingBasisType](#)

[sAZCaps](#)

[scheduledInductionDateType](#)

[scheduledInductionTimeType](#)

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[serialNumberSevenOrEleven](#)

[serialNumberTenOrFourteen](#)

[serviceCodeType](#)

[serviceLevelIndicatorType](#)

[serviceSubCodeType](#)

[ServiceTypeCodeType](#)

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[uspsPackageUniqueCharacteristicType](#)

[uspsPickupType](#)

[wastedPieceIndicatorType](#)

[weekendHolidayIndexType](#)

[weekFrequencyType](#)

[weightBreakType](#)

[weightUnitType](#)

[yesNo](#)

[zipCodeFiveOrNineDigit](#)

[zipCodeThreeOrFiveDigit](#)

[zoneICType](#)



## 2 Simple Types

### simpleType **actionCodeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	F	
	enumeration	W	
	enumeration	R	
	enumeration	U	
annotation	documentation Action Code for USPS		

### simpleType **additionalInHomeRangeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml base:n01</a>		

### simpleType **approvedPieceDesignTypeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	C	
	enumeration	P	

### simpleType **apptMethodType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Online	
	enumeration	Phone	
	enumeration	Webservices - Detail	
	enumeration	Webservices - No Detail	

### simpleType **apptStateType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Scheduled	
	enumeration	Arrived	
	enumeration	ApptValidated	
	enumeration	WaitingToBeUnloaded	
	enumeration	Unloading	
	enumeration	FinishedUnloading	

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	enumeration	ResolvingProblems
	enumeration	Rejected
	enumeration	Closed

### simpleType **apptStatusType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Open	
	enumeration	Closed	
	enumeration	No Show	
	enumeration	Unscheduled	
	enumeration	Rejected	

### simpleType **apptTypeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Pallet	
	enumeration	DropAndPick	
	enumeration	Speedline	
	enumeration	Bedload	

### simpleType **barcodeRateType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Y	
	enumeration	N	
	enumeration	O	

### simpleType **billReasonCodeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	E	
	enumeration	F	
	enumeration	M	
	enumeration	N	

### simpleType **bundleDetailLevelType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		

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facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	B	
	enumeration	C	
	enumeration	D	
	enumeration	E	
	enumeration	F	
	enumeration	G	
	enumeration	H	
	enumeration	I	
	enumeration	J	
	enumeration	K	
	enumeration	L	
	enumeration	M	
	enumeration	N	
	enumeration	O	
	enumeration	P	
	enumeration	Q	
	enumeration	R	
	enumeration	S	
	enumeration	T	
	enumeration	U	
	enumeration	V	
	enumeration	W	
	enumeration	X	

### simpleType **bundleRecordStatusType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	O	
	enumeration	D	
	enumeration	I	
	enumeration	U	

### simpleType **bundleStatusType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration		
	enumeration	C	

### simpleType **canadaAdMailOnlyType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
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type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	ST	
	enumeration	LG	

### simpleType **cccLevelType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	3	
	enumeration	5	
	enumeration	A	
	enumeration	M	

### simpleType **characteristicContentType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	CT	
	enumeration	RR	
	enumeration	NF	
	enumeration	DC	
	enumeration	PS	
	enumeration	RT	
	enumeration	MI	
	enumeration	NP	
	enumeration	EM	
	enumeration	PM	
	enumeration	0X	
	enumeration	1X	
	enumeration	2X	
	enumeration	3X	
	enumeration	4X	
	enumeration	5X	
	enumeration	6X	
	enumeration	7X	
	enumeration	8X	
	enumeration	9X	

### simpleType **characteristicFeeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	OS	

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	enumeration	GS
	enumeration	PP
	enumeration	EM
	enumeration	PM

### simpleType **characteristicIncentiveType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	SS	
	enumeration	MT	
	enumeration	VV	
	enumeration	VP	
	enumeration	RE	
	enumeration	PI	
	enumeration	PP	
	enumeration	PS	
	enumeration	SB	
	enumeration	CT	
	enumeration	RR	
	enumeration	DC	
	enumeration	RT	
	enumeration	MI	
	enumeration	ME	
	enumeration	IV	
	enumeration	AD	
	enumeration	CP	
	enumeration	EM	
	enumeration	PM	
	enumeration	CO	
	enumeration	HD	

### simpleType **classNotificationType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	B	
	enumeration	C	
	enumeration	D	
	enumeration	F	
	enumeration	E	



simpleType **closeoutIrregularitiesType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	B	
	enumeration	C	
	enumeration	D	
	enumeration	DR	
	enumeration	G	
	enumeration	IA	
	enumeration	IM	
	enumeration	I	
	enumeration	IF	
	enumeration	L	
	enumeration	M	
	enumeration	MI	
	enumeration	NP	
	enumeration	O	
	enumeration	OW	
	enumeration	NM	
	enumeration	P	
	enumeration	VS	
	enumeration	CP	
	enumeration	CM	
	enumeration	SM	
	enumeration	AR	
	enumeration	IO	
	enumeration	MN	
	enumeration	MS	
	enumeration	MF	
	enumeration	MA	
	enumeration	NF	
	enumeration	IP	
	enumeration	PD	

simpleType **closeoutResolutionType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	DCD	
	enumeration	DCO	
	enumeration	DRL	
	enumeration	INR	

simpleType **communicationRoleType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	From	
	enumeration	To	
	enumeration	CC	

simpleType **componentPeriodicalAdPercentStatusType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	N	
	enumeration	P	
	enumeration	F	
	enumeration	M	

simpleType **componentWeightSourceType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	C	
	enumeration	P	
	enumeration	L	

simpleType **componentWeightStatusType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	N	
	enumeration	P	
	enumeration	F	
	enumeration	M	

simpleType **consigneeContentIDType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml base:s09</a>		

simpleType **contactType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		

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facets	Kind	Value	Annotation
	enumeration	AccountManager	
	enumeration	Carrier	
	enumeration	CrossDock	
	enumeration	CustomerService	
	enumeration	HelpDesk	
	enumeration	DropShipCoordinator	
	enumeration	ApptCoordinator	
	enumeration	Plant	
	enumeration	InboundFreightCoordinator	
	enumeration	SalesOffice	
	enumeration	TruckDriver	
	enumeration	Warehouse	
	enumeration	Other	

### simpleType **containerAcceptanceDateType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<b>xs:date</b>

### simpleType **containerGrossWeightType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s05</a>

### simpleType **containerHeightSourceType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	E	

### simpleType **containerHeightType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:n03</a>

### simpleType **containerLevelType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	B	
	enumeration	C	
	enumeration	D	
	enumeration	E	

enumeration	F
enumeration	G
enumeration	H
enumeration	I
enumeration	J
enumeration	K
enumeration	M
enumeration	N
enumeration	P
enumeration	Q
enumeration	R
enumeration	S
enumeration	T
enumeration	U
enumeration	V
enumeration	W
enumeration	X
enumeration	Y
enumeration	Z
enumeration	AA
enumeration	AB
enumeration	AC
enumeration	AD
enumeration	AE
enumeration	AF
enumeration	AG
enumeration	AH
enumeration	AI
enumeration	AJ
enumeration	AK
enumeration	AL
enumeration	AM
enumeration	AN
enumeration	AO
enumeration	AP
enumeration	AQ
enumeration	AR
enumeration	AS
enumeration	AT
enumeration	BA
enumeration	BB
enumeration	BC
enumeration	BD
enumeration	BE
enumeration	BF
enumeration	BG

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	enumeration	BH
	enumeration	BI
	enumeration	BJ
	enumeration	BK
	enumeration	BL
	enumeration	BM

### simpleType containerPickupDateType

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<b>xs:date</b>

### simpleType containerPickupTimeType

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<b>xs:time</b>

### simpleType containerShipDateType

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<b>xs:date</b>

### simpleType containerShipTimeType

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<b>xs:time</b>

### simpleType CQTdatabaseIDType

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:nonNegativeInteger</b>

### simpleType cRIDStatusType

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	New	
	enumeration	Existing	

### simpleType CRIDType

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	([0-9])*	

simpleType **databaseContainerIDType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:nonNegativeInteger</b>

simpleType **dayFrequencyType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Daily	
	enumeration	Monday	
	enumeration	Tuesday	
	enumeration	Wednesday	
	enumeration	Thursday	
	enumeration	Friday	
	enumeration	Saturday	
	enumeration	Sunday	

simpleType **daysOfWeekType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	MON	
	enumeration	TUE	
	enumeration	WED	
	enumeration	THU	
	enumeration	FRI	
	enumeration	SAT	
	enumeration	SUN	
	enumeration	MF	
	enumeration	MS	
	enumeration	ALL	
	enumeration	H	

simpleType **dec18-8**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:decimal</b>

simpleType **deliveryPointZIP**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	[0-9]{5}[0-9]{9}[0-9]{11}	

simpleType **electronicFileType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <a href="#">mailxml base:s01</a>		
facets	Kind	Value	Annotation
	enumeration	1	
	enumeration	2	
	enumeration	3	
	enumeration	4	
	enumeration	5	
	enumeration	C	

simpleType **emailType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<b>xs:string</b>		

simpleType **enclosedByType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	SM	
	enumeration	BP	
	enumeration	PE	
	enumeration	PP	
	enumeration	ML	

simpleType **entryDiscountType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	N	
	enumeration	B	
	enumeration	S	
	enumeration	D	
	enumeration	A	

simpleType **entryFacilityType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	O	
	enumeration	B	
	enumeration	S	
	enumeration	D	

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	enumeration	A
	enumeration	W
	enumeration	H
	enumeration	R

### simpleType **entryPointADLocaleKeyType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s09</a>

### simpleType **entryPointADPostalCodeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s09</a>

### simpleType **entryPointEDFacilityTypeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s01</a>

### simpleType **entryPointEDPostalCodeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s06</a>

### simpleType **es3**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **es4**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **es5**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **exemptionCodeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	APO	
	enumeration	APS	
	enumeration	CAPC	
	enumeration	DUE	



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	enumeration	HC
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### simpleType **FASTSchedulerIDType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s12</a>

### simpleType **feeNotificationType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	E	
	enumeration	1	
	enumeration	2	
	enumeration	3	

### simpleType **flatRateIndicatorType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	B	
	enumeration	E	
	enumeration	L	
	enumeration	M	
	enumeration	O	
	enumeration	P	
	enumeration	S	

### simpleType **formType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	PM	
	enumeration	FC	
	enumeration	SM	
	enumeration	BP	
	enumeration	PE	
	enumeration	PP	
	enumeration	ML	
	enumeration	IM	
	enumeration	PS	

### simpleType **gPSSystemType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
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type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	ECEF	
	enumeration	HAE	
	enumeration	MSL	

### simpleType IDType

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	DriversLicense	
	enumeration	EmployeeID	

### simpleType iMBarcodeIDType

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml base:ns02</a>		
facets	Kind	Value	Annotation
	pattern	[0-9]{2}	

### simpleType iMBLowerSerializationType

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml base:s18</a>		

### simpleType iMBSerialNumber6Type

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml base:ns06</a>		
facets	Kind	Value	Annotation
	pattern	[0-9]{6}	

### simpleType iMBSerialNumber9Type

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml base:ns09</a>		
facets	Kind	Value	Annotation
	pattern	[0-9]{9}	

### simpleType iMBType

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	([0-9])+	

simpleType **IMBUpperSerializationType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s18</a>

simpleType **IMcbType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **IMpbType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **IMtbType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **includedInOtherDocType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	L	
	enumeration	O	
	enumeration	I	

simpleType **inCountyOutCountyIndicatorType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	I	
	enumeration	N	

simpleType **inductionStatusType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	N	

simpleType **internalDateType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<b>xs:date</b>

simpleType **internationalPriceGroupType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	1	
	enumeration	2	
	enumeration	3	
	enumeration	4	
	enumeration	5	
	enumeration	6	
	enumeration	7	
	enumeration	8	
	enumeration	9	
	enumeration	10	
	enumeration	11	
	enumeration	12	
	enumeration	13	
	enumeration	14	
	enumeration	15	

simpleType **jobIDType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		

simpleType **localeKeyType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml_base:s09</a>		

simpleType **logicalPhysicalBundleIndicatorType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	P	
	enumeration	L	

simpleType **logicalPhysicalContainerIndicatorType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	P	
	enumeration	L	

simpleType **mailAgreementType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	B	
	enumeration	C	
	enumeration	D	
	enumeration	E	
	enumeration	F	

simpleType **mailClassType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	1	
	enumeration	2	
	enumeration	3	
	enumeration	4	
	enumeration	6	

simpleType **maildatContainerStatusType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	R	
	enumeration	X	
	enumeration	C	
	enumeration	D	
	enumeration	P	
	enumeration	T	

simpleType **mailerID6Type**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml base:ns06</a>		
facets	Kind	Value	Annotation
	pattern	[0-9]{6}	

simpleType **mailerID9Type**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml base:ns09</a>		
facets	Kind	Value	Annotation
	pattern	[0-9]{9}	

simpleType **mailXMLContainerType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	1	
	enumeration	2	
	enumeration	3	
	enumeration	4	
	enumeration	5	
	enumeration	6	
	enumeration	7	
	enumeration	8	
	enumeration	9	
	enumeration	10	
	enumeration	11	
	enumeration	12	
	enumeration	13	
	enumeration	14	
	enumeration	E	
	enumeration	F	
	enumeration	L	
	enumeration	O	
	enumeration	P	
	enumeration	S	
	enumeration	T	
	enumeration	V	
	enumeration	B	
	enumeration	U	
	enumeration	Z	
	enumeration	X	
	enumeration	H	
	enumeration	A	
	enumeration	G	
	enumeration	D	
	enumeration	R	
	enumeration	C	
	enumeration	CT	
	enumeration	M	
	enumeration	AB	
	enumeration	Y	

simpleType **mailXMLPresentationCategoryType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		

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facets	Kind	Value	Annotation
	enumeration	M	
	enumeration	P	
	enumeration	I	
	enumeration	N	
	enumeration	S	
	enumeration	C	
	enumeration	E	

### simpleType **marketingOrFulfillmentType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Marketing	
	enumeration	NotMarketingParcels	
	enumeration	SampleLarge	
	enumeration	SampleSmall	

### simpleType **meteredAffixedMethodType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	C	
	enumeration	L	
	enumeration	M	

### simpleType **mIDStatusType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	New	
	enumeration	Existing	

### simpleType **mlocrRateType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	N	
	enumeration	R	

### simpleType **monthType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:nonNegativeInteger</b>		

simpleType **moveUpdateMethodType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:integer</b>		
facets	Kind	Value	Annotation
	enumeration	0	
	enumeration	1	
	enumeration	2	
	enumeration	4	
	enumeration	5	
	enumeration	6	
	enumeration	7	
	enumeration	8	

simpleType **MPUIDType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:nonNegativeInteger</b>		

simpleType **n01**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:positiveInteger</b>		
used by	simpleType	<a href="#">additionalInHomeRangeType</a>	

simpleType **n02**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:positiveInteger</b>		

simpleType **n03**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:nonNegativeInteger</b>		
used by	simpleType	<a href="#">containerHeightType</a>	

simpleType **n05**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:nonNegativeInteger</b>		

simpleType **n06**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:nonNegativeInteger</b>		



simpleType **ns01**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	[0-9]{1}	

simpleType **ns02**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
used by	simpleType	<a href="#">iMBarcodeIDType</a>	
facets	Kind	Value	Annotation
	pattern	[0-9]{2}	

simpleType **ns03**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
used by	simpleType	<a href="#">ServiceTypeCodeType</a>	
facets	Kind	Value	Annotation
	pattern	[0-9]{3}	

simpleType **ns04**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	[0-9]{4}	

simpleType **ns05**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	[0-9]{5}	

simpleType **ns06**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
used by	simpleTypes	<a href="#">iMSerialNumber6Type</a> <a href="#">mailerID6Type</a>	
facets	Kind	Value	Annotation
	pattern	[0-9]{6}	

simpleType **ns07**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
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type	restriction of <b>xs:string</b>		
facets	Kind pattern	Value [0-9]{7}	Annotation

### simpleType ns09

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
used by	simpleTypes <a href="#">iMBSerialNumber9Type</a> <a href="#">mailerID9Type</a>		
facets	Kind pattern	Value [0-9]{9}	Annotation

### simpleType ns10

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind pattern	Value [0-9]{10}	Annotation

### simpleType ns11

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind pattern	Value [0-9]{11}	Annotation

### simpleType ns12

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind pattern	Value [0-9]{12}	Annotation

### simpleType ns14

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind pattern	Value [0-9]{12}	Annotation

### simpleType ns22

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind pattern	Value [0-9]{22}	Annotation

simpleType **ns34**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	[0-9]{34}	

simpleType **onePassPlannedOrActualFlagType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	P	

simpleType **operatingModeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	N	
	enumeration	B	

simpleType **packageCountRangeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:integer</b>		
facets	Kind	Value	Annotation
	pattern	[1-9][1-9][0]	

simpleType **packageIDType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml_base:s06</a>		

simpleType **packagingMethodType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	0	
	enumeration	1	
	enumeration	2	

simpleType **palletHandlingUnitType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation

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	enumeration	Airbox	
	enumeration	Sacks	
	enumeration	Bundles	
	enumeration	MixedLengthTrays	
	enumeration	1ft Tray	
	enumeration	2ft Tray	
	enumeration	EMM Tray	
	enumeration	Flat Tub	
	enumeration	Parcels	

### simpleType **palletType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Airbox	
	enumeration	Pallet	
	enumeration	EIRS 61 - Hamper, Large Canvas	
	enumeration	EIRS 61P - Hamper, Large Plastic	
	enumeration	EIRS 66 - General Purpose Mail Container w/Gate	
	enumeration	EIRS 68 - Eastern Region Mail Container w/Web Door	
	enumeration	EIRS 84 - Wire Container Rigid	
	enumeration	EIRS 84C - Collapsible Wire Container	

### simpleType **parentContainerRefIDType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml_base:s06</a>		

### simpleType **percentageType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:decimal</b>		

### simpleType **permitTypeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	PI	
	enumeration	MT	
	enumeration	PC	
	enumeration	BR	
	enumeration	PE	
	enumeration	GH	
	enumeration	OI	
	enumeration	OM	

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	enumeration PP
	enumeration PA

### simpleType **phoneNumberType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **pickupOrDeliveryType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Pickup	
	enumeration	Delivery	

### simpleType **planetCodeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind pattern	Value [0-9]{2}	Annotation

### simpleType **postageGroupingIDType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s08</a>

### simpleType **postagePaymentMethodType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	S	
	enumeration	M	
	enumeration	P	

### simpleType **postageStatementLineNumber1Type**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	E26	
	enumeration	E27	
	enumeration	E28	
	enumeration	E29	
	enumeration	E30	
	enumeration	E31	
	enumeration	E32	

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	enumeration	E33
	enumeration	E34
	enumeration	E35
	enumeration	E36
	enumeration	E37
	enumeration	E38
	enumeration	E39
	enumeration	E40
	enumeration	E41
	enumeration	E42
	enumeration	E43
	enumeration	E44
	enumeration	E45
	enumeration	E46

### simpleType **postageStatementLineNumber2Type**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	E1	
	enumeration	E2	
	enumeration	E3	
	enumeration	E4	
	enumeration	E5	
	enumeration	E6	
	enumeration	E7	
	enumeration	E8	
	enumeration	E9	
	enumeration	E10	
	enumeration	E11	
	enumeration	E12	
	enumeration	E13	
	enumeration	E14	
	enumeration	E15	
	enumeration	E16	
	enumeration	E17	
	enumeration	E18	
	enumeration	E19	
	enumeration	E20	
	enumeration	E21	
	enumeration	E22	
	enumeration	E23	
	enumeration	E24	

simpleType **postageStatementLineNumber3Type**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	D1	
	enumeration	D2	
	enumeration	D3	
	enumeration	D4	
	enumeration	D5	
	enumeration	D6	
	enumeration	D7	
	enumeration	D8	
	enumeration	D9	
	enumeration	D10	
	enumeration	D11	
	enumeration	D12	
	enumeration	D13	
	enumeration	D14	
	enumeration	D15	
	enumeration	D16	
	enumeration	D17	

simpleType **postageStatementStatusType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	UPD	
	enumeration	FIN	
	enumeration	REW	
	enumeration	REV	
	enumeration	CAN	
	enumeration	FAI	
	enumeration	PEN	
	enumeration	PAS	
	enumeration	INC	
	enumeration	NAP	
	enumeration	EST	
	enumeration	CON	
	enumeration	ERR	
	enumeration	COM	
	enumeration	AVW	
	enumeration	PAV	
	enumeration	FPP	

simpleType **priceIncentiveIDType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s10</a>

simpleType **processingCategoryType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	LT	
	enumeration	FL	
	enumeration	CD	
	enumeration	OS	
	enumeration	MP	
	enumeration	IR	
	enumeration	PF	
	enumeration	CM	
	enumeration	NP	
	enumeration	SP	
	enumeration	MB	

simpleType **qualificationReportClassType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	FC	
	enumeration	S	
	enumeration	P	
	enumeration	PM	
	enumeration	PP	
	enumeration	PS	
	enumeration	A	
	enumeration	TBD_1	
	enumeration	TBD_2	
	enumeration	TBD_3	

simpleType **rateLevelIndicatorType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	B	
	enumeration	C	
	enumeration	M	
	enumeration	N	



simpleType **rateLevelType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	SP	
	enumeration	5B	
	enumeration	3B	
	enumeration	AB	
	enumeration	PSRT	
	enumeration	5D	
	enumeration	3D	
	enumeration	NDC	
	enumeration	ONDC	
	enumeration	BP	
	enumeration	MP	
	enumeration	AD	
	enumeration	MD	
	enumeration	WS	
	enumeration	HD	
	enumeration	HDP	
	enumeration	CR	
	enumeration	MB	
	enumeration	FB	
	enumeration	BB	
	enumeration	SCF	
	enumeration	SD	
	enumeration	FS	
	enumeration	FF	
	enumeration	FC	
	enumeration	FN	

simpleType **rateType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	R	
	enumeration	L	
	enumeration	B	
	enumeration	C	
	enumeration	S	
	enumeration	S1	
	enumeration	S2	
	enumeration	S3	
	enumeration	S4	

	enumeration	S5
	enumeration	S6
	enumeration	S7
	enumeration	F
	enumeration	A
	enumeration	N
	enumeration	P
	enumeration	T
	enumeration	D
	enumeration	X
	enumeration	H
	enumeration	M
	enumeration	Z
	enumeration	E
	enumeration	E4
	enumeration	G
	enumeration	1
	enumeration	2
	enumeration	3
	enumeration	4
	enumeration	J
	enumeration	K
	enumeration	V
	enumeration	W
	enumeration	Y
	enumeration	Q

simpleType **recurringStatusType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Active	
	enumeration	Pending	
	enumeration	All	

simpleType **reservationNumberType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml_base:s15</a>		

simpleType **responsibleTransportationPartyType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Shipper	

	enumeration	Consignee
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simpleType **roleType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Data Update Agent	
	enumeration	Owner	
	enumeration	Confirm Subscriber	
	enumeration	Confirm Data Receiver	
	enumeration	ACS Data Receiver	
	enumeration	ACS Subscriber	
	enumeration	List Owner	
	enumeration	Mail Creator	
	enumeration	Addressor	
	enumeration	Comail	
	enumeration	CoMingler	
	enumeration	MLOCR	
	enumeration	Mail Owner	
	enumeration	Mail Agent	
	enumeration	Entry Point Planner	
	enumeration	Shipment Planner	
	enumeration	Consolidator	
	enumeration	Secondary Consolidator	
	enumeration	Appointment Management Receiver	
	enumeration	Consignee/Product Receiver	
	enumeration	Dispatcher	
	enumeration	Tracker CONFIRM-scan	
	enumeration	Tracker CONFIRM-payer	
	enumeration	Tracker Seed Source	
	enumeration	Tracker Piece-level-scan	
	enumeration	Tracker ASN-scan	
	enumeration	Tracker Induction-scan	
	enumeration	Tracker Planet-code	
	enumeration	ACS receiver	
	enumeration	ACS payer	
	enumeration	Seamless Acceptance	
	enumeration	Seamless Verification	
	enumeration	Security	
	enumeration	Logistics Provider	
	enumeration	Carrier	
	enumeration	Data Brokering Agent	
	enumeration	Nixie	
	enumeration	StartTheClock	
	enumeration	ContainerVisibility	

	enumeration	DeliveryPointValidation
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simpleType **RoutingZipCodeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s01**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>
used by	simpleTypes <a href="#">electronicFileType</a> <a href="#">entryPointEDFacilityType</a> <a href="#">weekendHolidayIndexType</a> <a href="#">weightUnitType</a>

simpleType **s02**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>
used by	simpleType <a href="#">stopDesignatorType</a>

simpleType **s03**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s04**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s05**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>
used by	simpleTypes <a href="#">containerGrossWeightType</a> <a href="#">totalWeightType</a> <a href="#">transShipBoLNumberType</a>

simpleType **s06**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>
used by	simpleTypes <a href="#">entryPointEDPostalCodeType</a> <a href="#">packageIDType</a> <a href="#">parentContainerRefIDType</a>

simpleType **s07**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s08**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>
used by	simpleType <a href="#">postageGroupingIDType</a>

simpleType **s09**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>
used by	simpleTypes <a href="#">consigneeContentIDType</a> <a href="#">entryPointADLocaleKeyType</a> <a href="#">entryPointADPostalCodeType</a> <a href="#">localeKeyType</a>

simpleType **s10**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>
used by	simpleTypes <a href="#">priceIncentiveIDType</a> <a href="#">truckDispatchNumberType</a>

simpleType **s1000**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s11**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s12**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>
used by	simpleType <a href="#">fASTSchedulerIDType</a>

simpleType **s14**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s15**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>
used by	simpleType <a href="#">reservationNumberType</a>

simpleType **s16**

namespace	http://idealliance.org/Specs/mailxml22.0/base
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type	restriction of <b>xs:string</b>
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**simpleType s18**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>
used by	simpleTypes <a href="#">iMBLowerSerializationType</a> <a href="#">iMBUpperSerializationType</a>

**simpleType s19**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

**simpleType s20**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

**simpleType s200**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

**simpleType s22**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

**simpleType s24**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

**simpleType s25**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

**simpleType s256**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

**simpleType s26**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s260**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s28**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s30**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s31**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s32**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s34**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s35**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s37**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **s40**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>
used by	simpleTypes <a href="#">userInformationLine1Type</a> <a href="#">userInformationLine2Type</a>

simpleType **s45**

namespace	http://idealliance.org/Specs/mailxml22.0/base
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type	restriction of <b>xs:string</b>
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### simpleType **s48**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **s50**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **s500**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **s60**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **s64**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **s66**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **s80**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **s96**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

### simpleType **sackingBasisType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	0	
	enumeration	1	



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	enumeration	2	
	enumeration	3	
	enumeration	4	

### simpleType **sAZCaps**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	[A-Z]	

### simpleType **scheduledInductionDateType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<b>xs:date</b>		

### simpleType **scheduledInductionTimeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<b>xs:time</b>		

### simpleType **scheduledInHomeDateType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<b>xs:date</b>		

### simpleType **serialNumberSevenOrEleven**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	[0-9]{7}  [0-9]{11}	

### simpleType **serialNumberTenOrFourteen**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	[0-9]{10}  [0-9]{14}	

### simpleType **serviceCodeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	CM	
	enumeration	COD	
	enumeration	CODE	
	enumeration	COM	

	enumeration	DC
	enumeration	IM
	enumeration	PAL
	enumeration	RM
	enumeration	RRE
	enumeration	SC
	enumeration	SH
	enumeration	AS
	enumeration	RAS
	enumeration	DCD
	enumeration	CBM
	enumeration	NP
	enumeration	AA
	enumeration	DP
	enumeration	HZ
	enumeration	PR
	enumeration	PP
	enumeration	CA
	enumeration	CD
	enumeration	C2
	enumeration	J2
	enumeration	IR
	enumeration	R2
	enumeration	SC2
	enumeration	RRM
	enumeration	RR

simpleType **serviceLevelIndicatorType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	F	
	enumeration	B	
	enumeration	P	
	enumeration	O	

simpleType **serviceSubCodeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	N	
	enumeration	E	
	enumeration	R	
	enumeration	T	
	enumeration	B	

simpleType **ServiceTypeCodeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml_base:ns03</a>		
facets	Kind	Value	Annotation
	pattern	[0-9]{3}	

simpleType **severityType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Error	
	enumeration	Warning	
	enumeration	Information	

simpleType **simplifiedAddressType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	M	
	enumeration	R	
	enumeration	B	
	enumeration	Y	
	enumeration	N	

simpleType **sortationLevelType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	CRD	
	enumeration	5DG	
	enumeration	CR5	
	enumeration	5DGS	
	enumeration	CR5S	
	enumeration	M5D	
	enumeration	M5DS	
	enumeration	MET	
	enumeration	3DG	
	enumeration	CR3	
	enumeration	3DGS	
	enumeration	ADC	
	enumeration	AADC	
	enumeration	MADC	
	enumeration	MAAD	

	enumeration	SCF
	enumeration	PSCF
	enumeration	NDC
	enumeration	PNDC
	enumeration	MNDC
	enumeration	ASF
	enumeration	OMX
	enumeration	PADC
	enumeration	MRDC
	enumeration	SP
	enumeration	MXDS
	enumeration	MXDA
	enumeration	WORKING
	enumeration	SINGLEPIECE
	enumeration	SURFACE
	enumeration	AIR
	enumeration	LOCAL

simpleType **standardFlatTypeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Catalog	
	enumeration	NotCatalog	

simpleType **standardParcelTypeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	F	
	enumeration	M	
	enumeration	L	
	enumeration	S	

simpleType **stateCode**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	AA	
	enumeration	AE	
	enumeration	AP	
	enumeration	AL	
	enumeration	AK	
	enumeration	AS	

enumeration	AZ
enumeration	AR
enumeration	CA
enumeration	CO
enumeration	CT
enumeration	DE
enumeration	DC
enumeration	FM
enumeration	FL
enumeration	GA
enumeration	GU
enumeration	HI
enumeration	IL
enumeration	IN
enumeration	IA
enumeration	ID
enumeration	KS
enumeration	KY
enumeration	LA
enumeration	MH
enumeration	MD
enumeration	MA
enumeration	ME
enumeration	MO
enumeration	MI
enumeration	MN
enumeration	MS
enumeration	MT
enumeration	NE
enumeration	NH
enumeration	NV
enumeration	NJ
enumeration	NM
enumeration	NY
enumeration	NC
enumeration	ND
enumeration	MP
enumeration	OH
enumeration	OR
enumeration	OK
enumeration	PW
enumeration	PA
enumeration	PR
enumeration	RI
enumeration	SC
enumeration	SD

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	enumeration	TN
	enumeration	TX
	enumeration	UT
	enumeration	VT
	enumeration	VI
	enumeration	VA
	enumeration	WA
	enumeration	WV
	enumeration	WI
	enumeration	WY

### simpleType **statusType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Accepted	
	enumeration	Amended	
	enumeration	Cancelled	
	enumeration	Counterproposal	
	enumeration	New	
	enumeration	NoAction	
	enumeration	Original	
	enumeration	PartiallyAccepted	
	enumeration	Pending	
	enumeration	Rejected	
	enumeration	Replaced	

### simpleType **stopDesignatorType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml_base:s02</a>		

### simpleType **surchargeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	2	
	enumeration	A	
	enumeration	D	
	enumeration	N	
	enumeration	P	
	enumeration	E	
	enumeration	R	
	enumeration	L	

simpleType **totalWeightType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s05</a>

simpleType **trailerLengthType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	20ft	
	enumeration	40ft	
	enumeration	45ft	
	enumeration	48ft	
	enumeration	53ft	

simpleType **transportationMethodType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	USPS	
	enumeration	Mailer	

simpleType **transportationModeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	0	
	enumeration	1	
	enumeration	2	
	enumeration	3	
	enumeration	4	
	enumeration	9	

simpleType **transShipBoLNumberType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml base:s05</a>		

simpleType **trayDistLabelType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	([0-9])+	

simpleType **trayType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	MixedLengthTrays	
	enumeration	1ft Tray	
	enumeration	2ft Tray	
	enumeration	EMM Tray	
	enumeration	Flat Tub	

simpleType **trayTypeIndicatorType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	F	
	enumeration	M	
	enumeration	E	
	enumeration	H	
	enumeration	U	

simpleType **truckDispatchNumberType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	<a href="#">mailxml_base:s10</a>		

simpleType **uniqueContainerIDType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		

simpleType **unitLoadType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	CrossDockPallets	
	enumeration	WorkingPallets	
	enumeration	Trailers	

simpleType **uOMType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	AirDryMetricTonne	
	enumeration	AirDryPercent	
	enumeration	AirDryShortTon	



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enumeration	Bale
enumeration	BoardFoot
enumeration	BookUnit
enumeration	Box
enumeration	Bundle
enumeration	C-Size
enumeration	Centimeter
enumeration	Cord
enumeration	CubicFoot
enumeration	CubicMeter
enumeration	Cubit
enumeration	Day
enumeration	DotsPerInch
enumeration	Foot
enumeration	Gallon
enumeration	Gram
enumeration	GramsPerSquareMeter
enumeration	Hour
enumeration	HundredBoardFeet
enumeration	HundredLinealFeet
enumeration	HundredPound
enumeration	HundredSquareFeet
enumeration	Inch
enumeration	Kilogram
enumeration	KilogramsPerDay
enumeration	KilogramsPerWeek
enumeration	KnownBreaks
enumeration	Layer
enumeration	Leaves
enumeration	LinearFoot
enumeration	LinesPerInch
enumeration	Load
enumeration	MagazineUnit
enumeration	Megabyte
enumeration	Meter
enumeration	MetricTon
enumeration	MetricTonsPerDay
enumeration	MetricTonsPerWeek
enumeration	Micron
enumeration	Millimeter
enumeration	Minute
enumeration	Month
enumeration	None
enumeration	Package
enumeration	Page
enumeration	PagesPerInch

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enumeration	PalletUnit
enumeration	Percentage
enumeration	PerThousand
enumeration	Picas
enumeration	Piece
enumeration	PixelsPerInch
enumeration	Pound
enumeration	PoundsPerDay
enumeration	PoundsPerHour
enumeration	PoundsPerWeek
enumeration	PulpUnit
enumeration	Ream
enumeration	Reel
enumeration	Set
enumeration	Sheet
enumeration	ShortTon
enumeration	ShortTonsPerDay
enumeration	ShortTonsPerHour
enumeration	ShortTonsPerWeek
enumeration	Signature
enumeration	Skid
enumeration	SquareInch
enumeration	SquareFeet
enumeration	SquareMeter
enumeration	ThousandBoardFeet
enumeration	ThousandLinealFeet
enumeration	ThousandPieces
enumeration	ThousandSquareCentimeters
enumeration	ThousandSquareFeet
enumeration	ThousandSquareInch
enumeration	Ton
enumeration	TonsPerHour
enumeration	Unit
enumeration	UnknownBreaks
enumeration	Week
enumeration	Yard

### simpleType **userInformationLine1Type**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s40</a>

### simpleType **userInformationLine2Type**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<a href="#">mailxml base:s40</a>

simpleType **userLicenseCodeType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	restriction of <b>xs:string</b>

simpleType **uspsPackageUniqueCharacteristicType**

namespace	http://idealliance.org/Specs/mailxml22.0/base
type	<b>xs:string</b>

simpleType **uspsPickupType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Y	
	enumeration	N	

simpleType **wastedPieceIndicatorType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	W	
	enumeration	S	
	enumeration	X	
	enumeration	T	

simpleType **weekendHolidayIndexType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <a href="#">mailxml base:s01</a>		
facets	Kind	Value	Annotation
	enumeration	1	
	enumeration	2	
	enumeration	3	
	enumeration	4	
	enumeration	5	
	enumeration	6	
	enumeration	7	
	enumeration	8	
	enumeration	9	
	enumeration	E	
	enumeration	F	
	enumeration	G	
enumeration	P		

simpleType **weekFrequencyType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Weekly	
	enumeration	Bi-Weekly	
	enumeration	First	
	enumeration	Second	
	enumeration	Third	
	enumeration	Fourth	
	enumeration	Fifth	
	enumeration	Sixth	

simpleType **weightBreakType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	B	
	enumeration	H	
	enumeration	N	

simpleType **weightUnitType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <a href="#">mailxml base:s01</a>		
facets	Kind	Value	Annotation
	enumeration	1	
	enumeration	2	
	enumeration	3	

simpleType **yesNo**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	Yes	
	enumeration	No	

simpleType **zipCodeFiveOrNineDigit**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	[0-9]{5}[[0-9]{9}	

simpleType **zipCodeThreeOrFiveDigit**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	pattern	[0-9]{3}  [0-9]{5}	

simpleType **zoneICType**

namespace	http://idealliance.org/Specs/mailxml22.0/base		
type	restriction of <b>xs:string</b>		
facets	Kind	Value	Annotation
	enumeration	N	
	enumeration	M	
	enumeration	LC	
	enumeration	1	
	enumeration	3	
	enumeration	4	
	enumeration	5	
	enumeration	6	
	enumeration	7	
	enumeration	8	
	enumeration	9	
	enumeration	DDU	
	enumeration	SCF	
	enumeration	ADC	