Aramex's Guide to Embedding the Shipping Services API

Table of Contents

List of Tables

List of Figures

Version History		
Version	**Change**	**Effective Date**
1	**Document Creation**	**June 2011**
2	**New Sections** - Addition of testing credentials **(page 30)** - Addition of the security certificate details **(page 7)** **New Condition** - In data type element description "**Money**" = Cash on delivery currency must be in USD. **(page 39)** - In data type element description "**Contact**" = Cell Phone field is **Mandatory (page 34)** - In data type element "**Address**" = if a postcode has more than one city then the response SOAP will return the list of cities to be re-entered into the request. **(page 35)** **New Information** - Appendix A, addition of EPX product type **(page 42)**	**1st of January 2013**

Getting Started: Shipping API

The Aramex Shipping API (Application Programing Interface) allows your system to communicate directly with our shipping and tracking systems over the internet. Aramex Shipping API provides you with a wide range of functionalities which enables your system and applications to integrate directly with Aramex's systems in an easy and automated way. The APIs are built based on SOAP (Simple Object Access Protocol) and provide a secure channel of communication, as all web calls are made through secured HTTPS.

A SOAP message is an ordinary XML document containing the following elements:

- An Envelope element that identifies the XML document as a SOAP message (required)
- A Header element containing header information (optional)
- A Body element containing call and response information (required)
- A Fault element containing errors and status information (optional)

Security Certificate

To connect securely through HTTPs to our testing website the certificate in the following link will need to be downloaded, a manual is also present through the below link to guide the user through the download and installation of the certificate:

http://www.aramex.com/PKI/trust.aspx

This certificate should be imported and trusted on the machine or user account used to connect to our testing website.

Testing URL

http://ws.dev.aramex.net/shippingapi/shipping/service_1_0.svc

Live URL

http://ws.aramex.net/shippingapi/shipping/service_1_0.svc

Shipping Services API

Introduction

This document contains a complete guide on how to use the Shipping Services API, which is one of the main functionalities required by customers to start shipping. The Shipping Services Service is part of the Aramex Shipping API allowing you to create shipments, generate labels, create and cancel pick up requests.

Features

The Shipping Services API provides these features:

Security

Two levels of security are provided for each method:

a) Each submitted request should contain a valid email address and password which are obtained by registering your email address on aramex.com. This is used for authorizing the request.

b) Each submitted request should contain a valid account number and a valid PIN code. This is used to authenticate and verify the identity of the customer.

Encryption
By using HTTPS all transmission are insured to be encrypted.

Simple and easy to use
Creating shipments, requesting pickups and other functionalities are easily generated by providing very basic and simple information about the shipper, consignee and shipments

Flexibility
- Users can have different means of providing the same information.
- Pickup request can be generated with detailed shipments information, or just a summary about the shipments. Shipments can be added to a pickup request after the request has been created.
- A printing label can be requested within the shipment creation request or as a separate label printing request by simply providing the Airway bill number to print.

Accuracy and error handling

During the process of shipment or pickup creation, the submitted information such as addresses, payment methods and more, goes through a detailed validation procedure to insure the validity and correctness. In case of errors, detailed descriptive error messages are provided in the generated response.

Main Functionalities

Creating shipments

Allows you to create shipments, providing a wide range of options for customers to provide full details about their shipments, such as:

1. Attaching additional documentation:
   a) Clients can attach Performa Invoices, clearance forms or any other documentation required.
2. Generating a label for the Shipment being created.
3. Providing us with sensitive details such as Operations (Handling) instructions.
4. Adding Shipments to an existing pickup, given that the pickup is un-assigned or pending details.

Printing labels

Allows you to generate shipping labels for an existing shipment. Users will be provided with the report ID used to generate the label. Also, different label formats are available for customers to use and the customer can specify which format by providing the report ID in the request.
Two methods are provided for getting and printing the label from the customer side, a URL to download the PDF file, or a data stream that will be provided in the response message.

Creating pickups

Allows you to create pickups, providing flexible options such as:
1. After a pickup is created, shipments can be added later to it through the Create Shipments function, given that the pickup is un-assigned or pending details.

Cancelling pickups

Allows you to cancel an existing pickup, assuming it has not been assigned to a courier or processed by the dispatcher.

Using Shipping Services API: How does it Work?

•   The Shipping Services API uses a Web Service Definition Language (WSDL) that can be downloaded at http://www.aramex.com/developers/aramex-apis/42194/Shipping-Services-API, enabling developers to add reference to the web service in their code.

•   The user must be registered at http://www.aramex.com with a valid user name and password.

•   Sample Codes are available in VB.NET, C# and PHP, downloadable at http://www.aramex.com/developers/aramex-apis/42194/Shipping-Services-API.

Users are free to use any development tool provided these tools support the WSDL and messages conform to the standards and structure required. However the preferred programming languages for client implementations are:

•   Visual Basic 2005 (with VB.NET framework 2) or later
•   C#
•   PHP

Xml Structure Diagrams:

XML request or reply messages have to be constructed like below. The Tables below show the structure, element, child element, semantics as well as the validation conditions in the Shipping Services API XML.

Shipping Services Service

Table 1: The Shipping Services Service Diagram

Diagram	Description
Fig.1. Shipping WSDL Service	This Service includes several methods as shown in Fig.1. Each method has an Input (Request) and Output (Response), with their designed parameters.

1 Methods

A General outlook on the method diagrams, their overall description and requirements.

1.1 Shipment Creation method:

Table 2: Shipment Creation Request & Response

Diagram	Description
Fig.2. Shipment Creation Structure Request Fig.3. Shipment Creation Structure Response	**Shipment Creation Request:** This method allows users to create shipments on Aramex system. The **required** nodes to be filled are: Client Info and Shipments, Their elements and further description can be found in **Table 6** and **Table 8** **Shipment Creation Response:** Informs the user on the status of their submitted shipment. When created an AWB number is supplied, if not then an error message specifically states the location of the error and its nature. The Transaction Parameter is sent as filled in the request for identification purposes. Their elements and further description can be found in **Table 7 and Table 9**

1.2 Label Printing Method

Table 3: Label Printing Request & Response

Diagram	Description
 Fig.4. Label Printing Structure Request	**Label Printing Request:** This method allows the user to print a label for an existing shipment, whether they created it themselves through the shipping creation method or a previously existing shipment present in aramex system. The **required** nodes to be filled are ClientInfo and ShipmentNumber. If there is a duplicate Shipment Number then the ProductGroup and OriginAddress are **required**. Their elements and further description can be found in. **Fig. 16 – Table 8 and Table 6**
 Fig.5. Label Printing Structure Response	**Label Printing Response:** Returns the created label, if all the required information in the request is inserted and validated correctly. The Transaction and Shipment Number parameters are returned from the request for identification purposes. Their elements and further description can be found in **Fig.30 – Table 12 and Table 7**

1.3 Pickup Creation Method

Table 4: Pickup Creation Request & Response

Diagram	Description
 Fig.6. Pickup Creation Structure Request **Fig.7. Pickup Creation Structure Response**	**Pickup Creation Request:** This method allows users to create a pickup request. The nodes required to be filled are as follows: ClientInfo and Pickup. Their elements and further description can be found in **Table.6. , Fig.16. – Table 8 and Table 10** **Pickup Creation Response:** Informs the user on the status of their pickup, when created a Collection (Pickup) reference is supplied, if not then an error message specifically states the location of the error and its nature. The Transaction Parameter is sent as filled in the request for identification purposes. Their elements and further description can be found in **Table 7 and Table 11**

1.4   Pickup Cancellation Method

Table 5: Pickup Cancelation Request & Response

Diagram	Description
  Fig.8. Pickup Cancelation Structure Request	**Pickup Cancelation Request:** This method allows you to cancel a pickup as long as it is un-assigned or pending details. Their elements and further description can be found in **Table 6.**
Fig.9. Pickup Cancelation Structure Response	**Pick up Cancelation Response:** Informs the user that the pickup was successfully canceled. Their elements and further description can be found in **Table 7.**
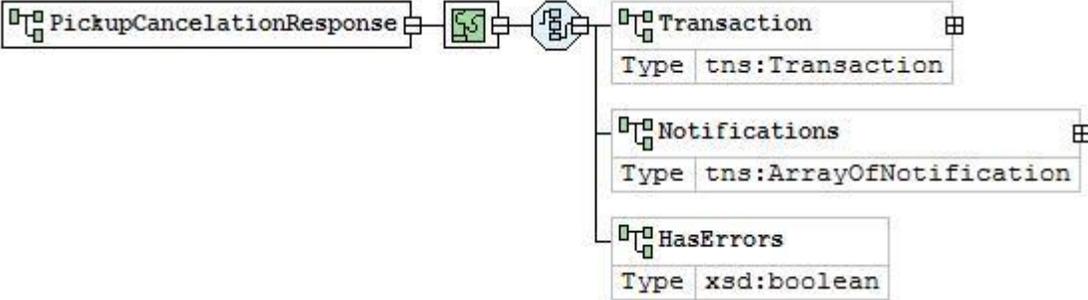
2 Elements Data structure

2.1 General Request Elements

These elements are present in all the methods of Shipping Services API (shipment creation, printing label, pickup creation and pickup cancellation), in addition to other specified elements.

Table 6: General Request Elements - Client Info & Transaction

Diagram	Description
 Fig.10. Client Info Structure Diagram	**Client Info:** The Client Info element is present in all the methods of this service. All its child elements are required to be filled. **The user name and password are validated to allow access to the service.** Version element, is the Version of the API the customer is using, which needs to be specified in the request Account Number, Pin, Entity and Country Code are all needed to verify the users account and obtain vital information from it, such as the ability to create third party shipments among other features provided for each account. For a more detailed description of the elements refer to **Table 13.**

Fig.11. Transaction Structure Diagram

Transaction:

The Transaction element is not validated and is also present in all the method requests and returned in all their responses for identification purposes.

Any type of data can be included by the customer.

For a more detailed description of the elements refer to **Table 14.**
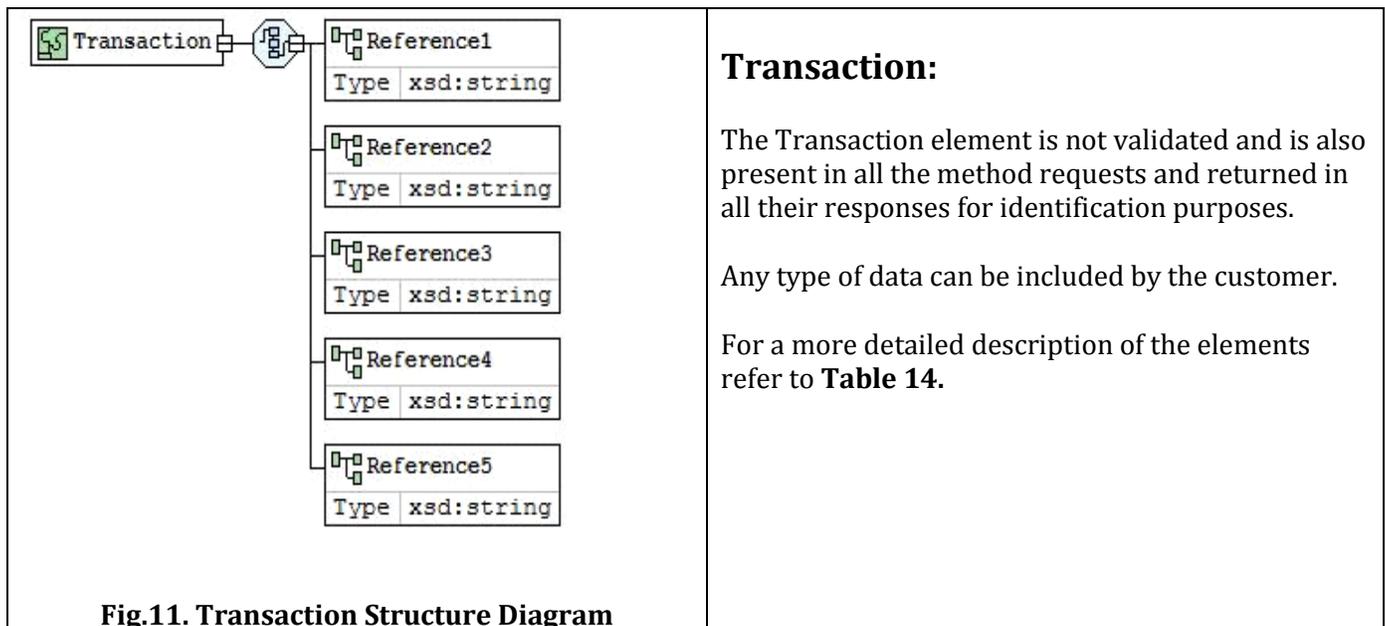
2.2 General Response Elements

The Response of any method has three standard elements (notification, transaction, HasErrors)

<div align="center">Table 7: General Response Elements</div>

Diagram	Description
Fig.12. Notification Structure Diagram	**Notification:** Contains details of the request errors or success. **Code** = To Identify the notification category. **Message** = Deeper description of the Notification.
Fig.13. Transaction Structure Diagram	**Transaction:** Contains the data sent in the request by the user, used mainly for identification purposes.
Fig.14. Has Errors Structure Diagram	**HasErrors:** Returns True if there are errors and false if there aren't.
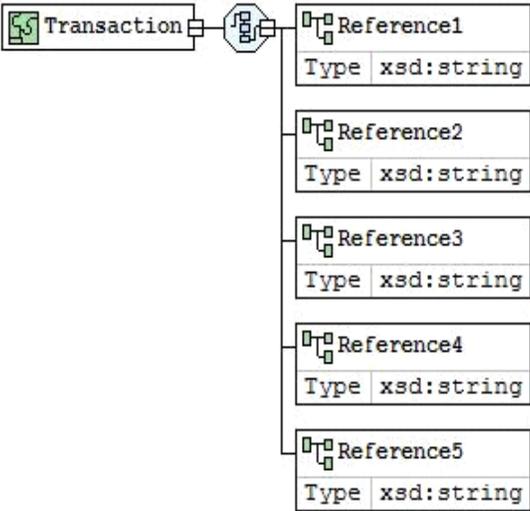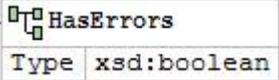
2.3   Shipment Creation Elements

The request and response elements of the Shipment Creation method are described in the tables below:

Table 8: Shipment Creation Request Elements

Diagram	Description
Fig.15. Shipment Structure Diagram	**Shipment:** **Required** – Shipper, Consignee, Shipping Date Time, Due Date and Details. Further details on shipment child elements are shown in **Table 15**
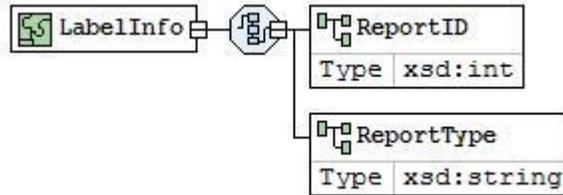
Diagram	Description
Fig.16. Label Info Structure Diagram	**Label Info:** Allows you to be able to generate labels. For further information on the child elements refer to **Table 23**

Table 9: Shipment Creation Response Element

Diagram	Description
Fig.17. Processed Shipment Structure Diagram	**Processed Shipment:** When a request is processed successfully, the elements in processed shipment appear with details on the shipment. **ID** = The AWB ID generated. **Reference** = The reference filled in the Shipment element. **Foreign HAWB** = Filled in the Shipment Element must be unique for every shipment in the system. **HasErrors, Notifications** = Refer to **Table 7** for details on general response elements. **Shipment Label** = if a label was generated then the details would be present in this element, for more details refer to **Fig 30** in **Table 12.**

2.4 Pickup Creation Elements

The elements of the request and response Pickup Creation method are described in the tables below:

Table 10: Pickup Creation Request Elements

Diagram	Description
 Fig.18. Pickup Structure Diagram	**Pickup:** **Required Elements –** Pickup Address, Pickup Contact, Pickup Location, Ready time, Last Pickup time, Closing Time, Reference 1, Pickup Items and Status. Further details on Pickup child elements are shown in **Table 28 and Table 29.**

Fig.19. Pickup Item Details Structure Diagram

Pickup Item Detail:

Required Elements – Product Group, Number of Shipments, Payment.

Further details on Pickup Item Detail child elements are shown in Table 29.

Table 11: Pickup Creation Response Element

Diagram	Description
Fig.20. Shipment Structure Diagram	**Processed Pickup:** When a request is processed successfully, the elements in processed pickup appear with details of the pickup. **ID** = A reference number that has been allocated to the submitted pickup. **GUID** = A unique identifier that gets assigned to the submitted pickup request after being saved. This identifier can be used in the cancelation request at a later stage. **Reference** = The reference filled in the request. **Processed Shipment** = Refer to **Table 9**

3 Complex Data Type Structure

The Structure and Description of the complex data types present in the elements are shown in the table below:

Table 12: Data Type Structure

Diagram	Description
 Fig.21. Address Structure Diagram	**Address** The Address element contains several child elements that are validated before the request can be submitted successfully. For further details on each child element refer to **Table 17**
 Fig.22. Shipment Item Structure Diagram	**Shipment Item** ShipmentItem is a complex element consisting of four child elements. Every Shipment can consist of several items and each item has the following: package type, quantity, weight, comments and reference. **Table 21** contains further details.
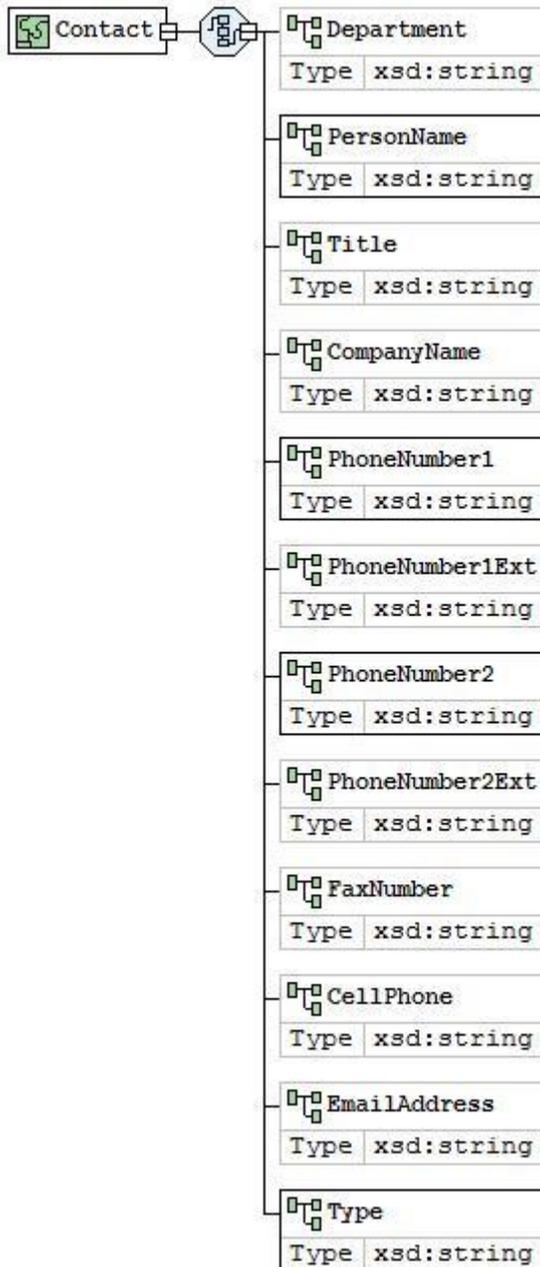
Fig.23. Contact Structure Diagram

Contact

Depending on the method chosen, certain elements are required and others optional.

Shipment Creation:

Required – Person Name, Company Name, Phone Number1, and Email Address.

Pickup Creation:

Required – Person Name, Company Name, Phone Number1, and Cell Phone.

For further details on each child element refer to **Table 18**
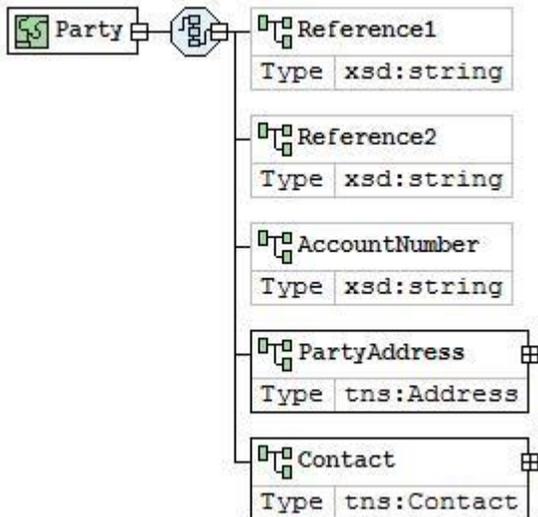
\n\n**Fig.24. Party Structure Diagram**	**Party**\n\nParty is a complex element, consisting of three child elements (Reference 1, Reference 2, and Account Number) and encompasses from its data type level the Address and Contact Elements.\n\nThis data type is applied on the Shipper, Consignee and Third Party Elements as they are considered a party in the transaction.\n\nFor further details on each child element refer to **Table 16**
\n\n**Fig.25. Money Structure Diagram**	**Money**\n\nMoney is a complex element, consisting of two child elements, (Currency Code and Value), which apply to every element that is defined by the Data Type "Money".\nFor Further Details on each child element refer to **Table 26**
\n\n**Fig.26. Weight Structure Diagram**	**Weight**\n\nWeight is a complex element, consisting of two child elements, Unit and Value, which apply to every element that is defined by the Data Type "Weight".\nFor further details on each child element refer to **Table 25**
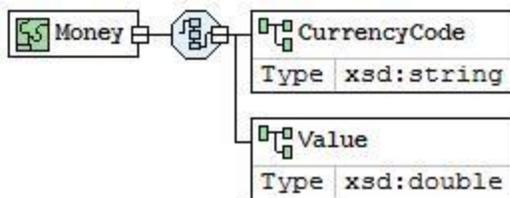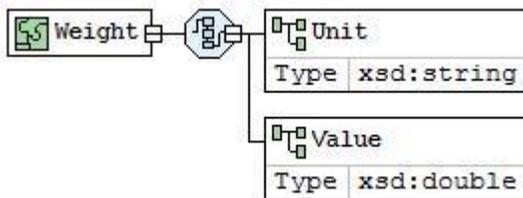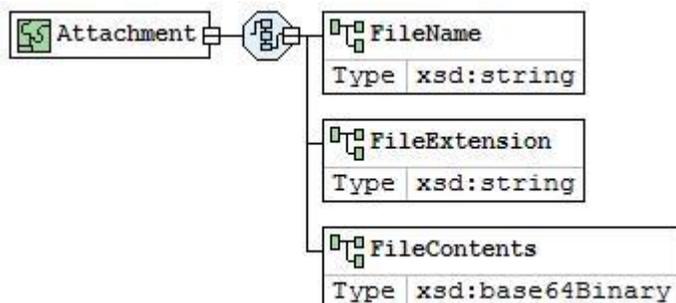
Fig.27. Attachment Structure Diagram

Attachment

Attachment is a complex element, consisting of three child elements, (File Name, File Extension and File Contents) which apply to every element that is defined by the Data Type "Attachment".
File contents has a maximum size of 4 MB
For further details on each child element refer to **Table 22**
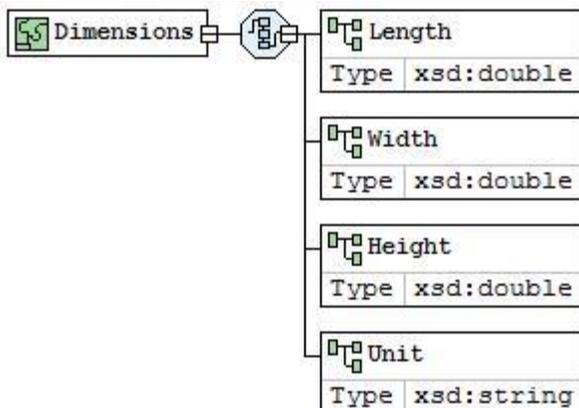
Fig.28. Dimensions Structure Diagram

Dimensions

Dimensions is a complex element, consisting of four child elements, (Unit, Length, Width and Height), which apply to every element that is defined by the Data Type "Dimensions".

For further details on each child element refer to **Table 24**
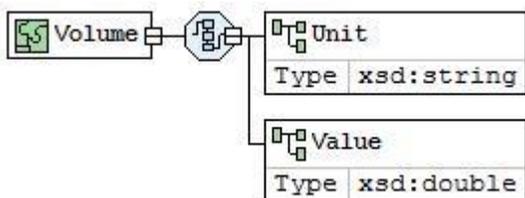
Fig.29. Volume Structure Diagram

Volume

Volume is a complex element, consisting of two child elements, (Unit and Value) which apply to every element that is defined by the Data Type "Volume".

For further details on each child element refer to **Table 27**
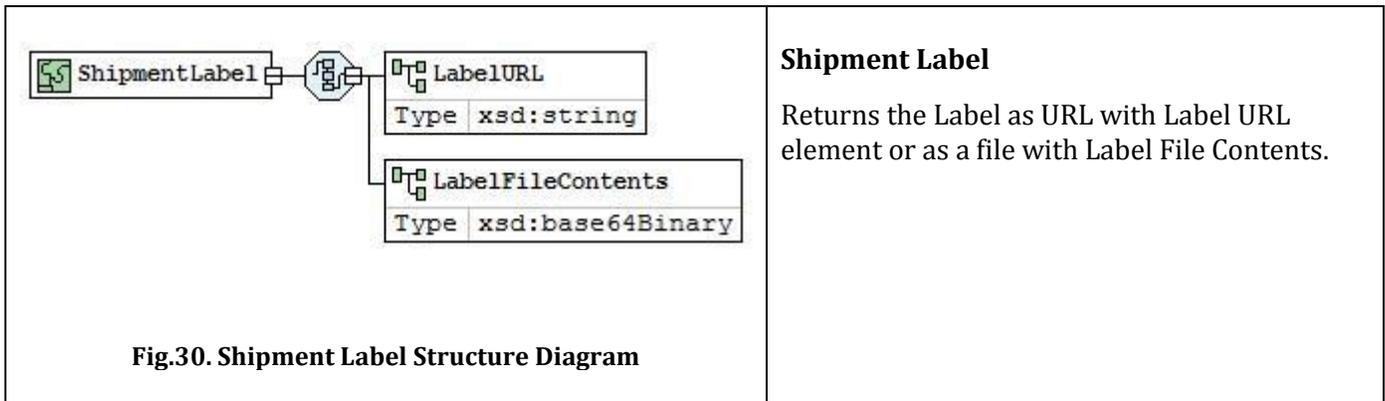
  Fig.30. Shipment Label Structure Diagram	**Shipment Label** Returns the Label as URL with Label URL element or as a file with Label File Contents.

4 Data Type Element Description

Further details on child elements of the Shipping Services API and their attributes can be shown below.

Element: Element Name

Data Type: The type of data that can be inserted into this field.

Required: Specifies three categories

- **M** = Mandatory, This field must be filled in all cases.
- **O** = Optional, This field may or may not be filled.
- **C** = Conditional, This field may or may not be filled depending on another field being filled.

Length: The maximum number of characters allowed in this field.

Allowed Values: Specifies the accepted data by this field.

4.1   Client Info

<div align="center">Table 13: List of Elements present in the Client Structure</div>

Element	Data Type	Required	Length	Allowed Values	Description
User Name	String	M	50		A unique user name sent to the user upon registration with http://www.aramex.com
Password	String	M	50		A unique password to verify the user name, sent to the user upon registration with http://www.aramex.com
Version	String	M	4		Based on the WSDL version the user is using to invoke the web service
Account Entity	String	M	3		Identification Code for Transmitting Party. This code should be provided to you by Aramex.
Account Number	String	M	50		The Customer's Account number provided by Aramex when the contract is signed.
Account PIN	String	M	50		A key that is associated with the account number, so as to validate customer identity.
Account Country Code	String	M	2		Two Letter Code Identifying the Country. Refer to Appendix D

4.1.1 Testing credentials

To be able to test the Shipping Services API on our testing website, the user credentials below can be used:

AccountCountryCode =JO

AccountEntity = AMM

AccountNumber= 20016

AccountPin = 331421

UserName = testingapi@aramex.com

Password = R123456789$r

Version = v1.0

4.2   Transaction

Table 14: List of Elements present in the Transaction Structure

Element	Data Type	Required	Length	Allowed Values	Description
Reference 1	String	0	50		Any details the user would like to add that will be sent back in the response.
Reference 2	String	0	50		Any details the user would like to add that will be sent back in the response.
Reference 3	String	0	50		Any details the user would like to add that will be sent back in the response.
Reference 4	String	0	50		Any details the user would like to add that will be sent back in the response.
Reference 5	String	0	50		Any details the user would like to add that will be sent back in the response.

4.3   Shipment

Table 15: List of Elements present in the Shipment Structure

Element	Data Type	Required	Length	Allowed Values	Description
Reference1	String	O	50		Any general detail the customer would like to add about the shipment
Reference2	String	O	50		Any general detail the customer would like to add about the shipment
Reference3	String	O	50		Any general detail the customer would like to add about the shipment
Foreign HAWB	String	C	50		User's AWB number if present. If filled this field must be unique for each shipment.
Transport Type	Integer	O	1	0 or 1	0 by Default
Shipper	Party	M			Refer to **Table 16** for further details.
Consignee	Party	M			Refer to **Table 16** for further details.
ThirdParty	Party	C			Based on **PaymentType** = "3"
ShippingDateTime	DateTime	M			The date aramex receives the shipment to be shipped out.
DueDate	DateTime	O			The date specified for shipment to be delivered to the consignee.
Comments	String	O			Any comments on the shipment
PickupLocation	String	O			The location from where the shipment should be picked up, such as the reception desk.
OperationsInstructions	String	O			Instructions on how to handle the shipment

AccountsInstructions	String	O			Instructions on how to handle payment specifics.
Details	ShipmentDetails	M			Details on the shipment. Refer to **Table 19** for further details.
Attachments	List(Of Attachments)	O			No files limit. The total size must not exceed 4 MB
Pickup GUID	String	O		A valid GUID value, provided by the Pickup Creation Response	To add Shipments to existing pickups.

4.4   Party

Table 16: List of Elements present in the Party Structure

Element	Data Type	Required	Length	Allowed Values	Description
Reference 1	String	O	50		Any details the user would like to add that will be sent back in the response.
Reference 2	String	O	50		Any details the user would like to add that will be sent back in the response.
Account Number	String	C	50		The Same Account number entered in the Client Info
PartyAddress	Address	O	50		Refer to **Table 17** for further details
Contact	Contact	O	50		Refer to **Table 18** for further details

4.5   Address

Table 17: List of Elements present in the Address Structure

Element	Data Type	Required	Length	Allowed Values	Description
Line1	String	M	50	More than 3 characters	Additional Address information, such as the building number, block, street name.
Line2	String	O	50		Additional Address information.
Line3	String	O	50		Additional Address information.
City	String	C	50		Address City. *Conditional:* Required if the post code is not given.
State Or Province Code	String	C	100		Address State or province code. Required if The country code and city require a State or Province Code
Post Code	String	C	30		Postal Code, if there is a postal code in the country code and city then it must be given. **If there are multiple cities for the same post code, the list of cities will be returned in the SOAP response**
Country Code	String	M	2		2-Letter Standard ISO Country Code. Refer to **Appendix D** for a complete list of Country codes.

4.6 Contact

Table 18: List of Elements present in the Contact Structure

Element	Data Type	Required	Length	Allowed Values	Description
Department	String	O	50		User's Work Department
PersonName	String	M	50		User's Name, Sent By or in the case of the consignee, to the Attention of.
Title	String	O	50		User's Title
CompanyName	String	M	50		Company or Person name.
PhoneNumber1	String	M	30		Valid Phone Number
PhoneNumber1Ext	String	O	20		Valid Extension to the phone number.
PhoneNumber2	String	O	30		Phone Number
PhoneNumber2Ext	String	O	20		Extension to the phone number.
FaxNumber	String	O	30		Fax Number
CellPhone	String	M	30		Cell Phone Number
EmailAddress	String	M	50		Email Address
Type	String	O	50		

4.7 Shipment Details

Table 19: list of Elements present in the Shipment Details Structure

Element	Data Type	Required	Length	Allowed Values	Description
Dimensions	Dimensions	O			Measurements required in calculating the Chargeable Weight, If any of the dimensional values are filled then the rest must be filled.
NumberOfPieces	Integer	M	3	Pieces > 0 MAX = 100	Number of shipment pieces
ActualWeight	Weight	M	6		Total actual shipment weight. If the Dimensions are filled, charging weight is compared to actual and the highest value is filled here.
Product Group	String	M	3	EXP, DOM	EXP = Express DOM = Domestic
Product Type	String	M	3	Product Type: "OND" **For** Product Group: "DOM"	Product Type involves the specification of certain features concerning the delivery of the product such as: Priority, Time Sensitivity, and whether it is a Document or Non-Document. Refer to **Appendix A** for a list of Product Types and their Product Groups
Payment Type	String	M	1	P, C, 3	Method of payment for shipment. Refer to **Appendix B** for more details.
Payment Options	String	C	4	**Payment Type = C** ASCC ARCC **Payment Type = P** CASH ACCT PPST CRDT	*Conditional* - Based on the Payment Type "C" ASCC = Needs Shipper Account Number to be filled. ARCC = Needs Consignee Account Number to be filled. *Optional* - Based on the Payment Type "P" then it is optional to fill. CASH = Cash ACCT = Account

					PPST = Prepaid Stock CRDT = Credit
Services	String	O	25		Additional Services used in shipping the package, Separate by comma when selecting multiple services. Refer to **Appendix C** (Service Codes) for valid codes.
Description of Goods	String	M	100		The Nature of Shipment Contents. Example: Clothes, Electronic Gadgets …..
Goods Origin Country	String	M	2		The Origin of which the product in the shipment came from. Refer to **Appendix D** for a complete list of Country codes.
Customs Value amount	Money	C			Value Charged by Destination Customs. *Conditional* - Based on the **ProductType** "Dutible"
Cash on Delivery	Money	C			Amount of Cash that is paid by the receiver of the package. *Conditional* - Based on the **Services** "COD" being filled.
Insurance Amount	Money	O			Insurance Amount charged on shipment.
Cash Additional Amount	Money	O			Additional Cash that can be required for miscellaneous purposes.
Cash Additional Description	String	C			*Conditional* - Based on the **PaymentType** "3" AND **Cash Additional Amount** is filled
Collect Amount	Money	C			Transportation Charges to be collected from consignee. *Conditional* - Based on the **PaymentType** "C" + **PaymentOptions** "ARCC"
Items	List(Of ShipmentItem)	O			Details of the Items within a shipment. Several items can be added for a single shipment.

4.8   Date Time

Table 20: list of Elements present in the Date Time Structure

Element	Data Type	Required	Length	Allowed Values	Description
Shipping Date	Date	M			The date Aramex receives the shipment to be shipped out.
Due Date	Date	M			The date specified for shipment to be delivered to the consignee.

4.9   Shipment Items

Table 21: list of Elements present in the Shipment Item Structure

Element	Data Type	Required	Length	Allowed Values	Description
Package Type	String	C	50		Type of packaging, for example. Cans, bottles, degradable Plastic. ***Conditional:*** If any of the Item element values are filled then the rest must be filled.
Weight	Weight	C			Total Weight of the Items
Quantity	Integer	C	4	MAX = 100	Number of items
Comments	String	C	1000		Additional Comments or Information about the items

4.10 Attachment

Table 22: list of Elements present in the Attachment Structure

Element	Data Type	Required	Length	Allowed Values	Description
File Name	String	C			The file name without its extension.
File Extension	String	C	6		The extension of the file. Our system accepts any extension
File Contents	Byte()	C	4 MB		Contents of the file.

4.11 Label Info

Table 23: list of Elements present in the Label Info Structure

Element	Data Type	Required	Length	Allowed Values	Description
Report ID	Integer	M		9201	The Template of the report to be generated.
Report Type	String	M		"URL" or "RPT"	Either by URL or a streamed file(RPT). URL by Default

4.12 Dimensions

Table 24: list of Elements present in the Dimensions Structure

Element	Data Type	Required	Length	Allowed Values	Description
Length	Double	C	5	Format: 000.000 MAX = 100	Measurements required in calculating the Chargeable Weight, If any of the Dimensional values are filled then the rest must be filled.
Width	Double	C	5	Format: 000.000 MAX = 100	Measurements required in calculating the Chargeable Weight, If any of the Dimensional values are filled then the rest must be filled.
Height	Double	C	5	Format: 000.000 MAX = 100	Measurements required in calculating the Chargeable Weight, If any of the Dimensional values are filled then the rest must be filled.
Unit	String	C	2	CM, M	Measurement Unit, If any of the Dimensional values are filled then the rest must be filled. CM = Centimeter M = Meter

4.13 Weight

Table 25: list of Elements present in the Weight Structure

Element	Data Type	Required	Length	Allowed Values	Description
Value	Double	M	6	Format: 000.000 Weight > 0 MAX = 100	Shipment weight. If the Data Entity 'Dimensions' are filled, charging weight is compared to actual and the highest value is filled here.
Unit	String	O	2	KG , LB	Unit of the weight

4.14 Money

Table 26: list of Elements present in the Money Structure

Element	Data Type	Required	Length	Allowed Values	Description
Currency Code	String	C	3		3-Letter Standard ISO Currency Code Refer to **Appendix E** for a list of Currency Codes. If **Cash on delivery value** is filled, then its currency must be in USD.
Value	Double	C	5	Format: 000.000 MAX = 100	The Monetary value. For **Cash on delivery**, the currency must be in USD.

4.15 Volume

Table 27: list of Elements present in the Volume Structure

Element	Data Type	Required	Length	Allowed Values	Description
Value	Double	M	6	Format: 000.000 Volume > 0 MAX = 100	Shipment Volume.
Unit	String	O	2	Cm3, Inch3	Unit of the volume

4.16 Pickup Details

Table 28: list of Elements present in the Pickup Details Structure

Element	Data Type	Required	Length	Allowed Values	Description
Reference1	String	O	50		Any general detail the customer would like to add about the shipment
Reference2	String	O	50		Any general detail the customer would like to add about the shipment
Vehicle Type	String	O	50		Type of Vehicle requested to transport the shipments.
Address	Address	M			Pickup Address
Status	String	M	10	Ready or Pending	**Pending:** more information about the pickup needs to be added, **Ready:** no further information is needed and the pickup request is ready to be assigned
Date Time	DateTime	M			Ready time should always be before latest and closing time. Date should not be before the current day or more than seven days in advance of the current date. Refer to **Table 20** for further details.
Contact	Contact	M			Refer to **Table 18** for further details.

4.17 Pickup Item

Table 29: list of Elements present in the Pickup Item Structure

Element	Data Type	Required	Length	Allowed Values	Description
Product Group	String	M	3	EXP, DOM	EXP = Express DOM = Domestic
Product Type	String	O	3	Product Type: "OND" **For** Product Group: "DOM"	**Product Type** involves the specification of certain features concerning the delivery of the product such as: Priority, Time Sensitivity, and whether it is a Document or Non-Document. Refer to **Appendix A** for a list of Product Types and their Product Groups
Payment Type	String	M	1	P, C, 3	Method of payment for shipment. Refer to **Appendix B** for more details.
Number Of Pieces	Integer	M	3	Pieces > 0 MAX = 100	Number of shipment pieces
Shipment Weight	Weight	M	6		Total actual shipment weight. If the Dimensions are filled, charging weight is compared to actual and the highest value is filled here.
Number Of Shipments	Integer	M	3	Pieces > 0 MAX = 100	Number of shipment
Package Type	String	O	50		Type of packaging, for example. Cans, bottles, degradable Plastic.
Shipment Volume	Volume	M	6		Volume of the Shipment
Cash Amount	Money	O			
Extra Charges	Money	O			
Shipment Dimensions	Dimensions	O			Measurements required in calculating the Chargeable Weight, If any of the Dimensional values are filled then the rest must be filled.
Comments	String	O	50		Any Comments on the Item being picked up.

APPENDIX: Aramex and General References

Appendix A – Product Types

Product Type	Name	Dutiable	Full Description	Product Group
PDX	Priority Document Express	No	Urgent, time sensitive consignments containing printed matter or document material	International Express
PPX	Priority Parcel Express	Yes	Urgent, time sensitive consignments containing non-printed matter or non-document material	International Express
PLX	Priority Letter Express	No	Urgent, time sensitive consignments containing printed matter of weight less than 0.5 kg	International Express
DDX	Deferred Document Express	No	2nd Day Delivery consignments containing printed matter or document material	International Express
DPX	Deferred Parcel Express	Yes	2nd Day Delivery consignments containing non-printed matter or non-document material	International Express
GDX	Ground Document Express	No	Ground delivery consignments containing printed matter or document material	International Express
GPX	Ground Parcel Express	Yes	Ground Delivery consignments containing non-printed matter or non-document material	International Express
EPX	Economy Parcel Express	Yes	Non - Document/Printed Matter (Commercial) shipment irrespective of its weight. The word "Economy" represents the action of selling the products and services online, having Aramex arrange the delivery locally and globally	International Express

Appendix B – Shipment Payment Methods

Payment Method	Stands for	Description
P	Prepaid	Transportation Charges payable by shipper
C	Collect	Transportation Charges payable by consignee
3	Third Party	Transportation Charges payable by third party. Note: in case of 3rd Party all third party details must be filled including a valid Aramex Account Number for Billing Party.

Appendix C – Service Codes

Service Code	Description	Full Description
CODS	Cash on Delivery	Receiver pays the cost of the goods
FIRST	First Delivery	Committed delivery time at destination country.
FRDOM	Free Domicile	Sender pays part/or all of the customs charges and the receiver consignee doesn't pay anything of the shipping or handling charges.
HFPU	Hold for pick up	Receiver picks up the consignment from an Aramex/Partner facility
NOON	Noon Delivery	Committed delivery time BEFORE Noon at destination country.
SIG	Signature Required	Physical receiver signature required upon delivery

Appendix D – ISO Country Codes

Country Code	Country Name	Country Code	Country Name
AF	AFGHANISTAN	LY	LIBYA
AL	ALBANIA	LI	LIECHTENSTEIN
DZ	ALGERIA	LT	LITHUANIA
AS	AMERICAN SAMOA	LU	LUXEMBOURG
AD	ANDORRA	MO	MACAU
AO	ANGOLA	MK	MACEDONIA
AI	ANGUILLA	MG	MADAGASCAR
AG	ANTIGUA AND BARBUDA	MW	MALAWI
AR	ARGENTINA	MY	MALAYSIA
AM	ARMENIA	MV	MALDIVES
AW	ARUBA	ML	MALI
AU	AUSTRALIA	MT	MALTA
AT	AUSTRIA	MH	MARSHALL IS
AZ	AZERBAIJAN	MQ	MARTINIQUE
BS	BAHAMAS	MR	MAURITANIA
BH	BAHRAIN	MU	MAURITIUS
BD	BANGLADESH	YT	MAYOTTE
BB	BARBADOS	MX	MEXICO
BY	BELARUS	FM	MICRONESIA
BE	BELGIUM	MD	MOLDOVA
BZ	BELIZE	MC	MONACO
BJ	BENIN	MN	MONGOLIA
BM	BERMUDA	MS	MONTSERRAT
BT	BHUTAN	MA	MOROCCO
BO	BOLIVIA	MZ	MOZAMBIQUE
BA	BOSNIA & HERZEGOVINA	MM	MYANMAR
BW	BOTSWANA	NA	NAMIBIA
IO	BR INDIAN OCEAN TERR	NR	NAURU
BR	BRAZIL	NP	NEPAL
BN	BRUNEI	AN	NETHERLANDS ANTILLES
BG	BULGARIA	NL	NETHERLANDS
BF	BURKINA FASO	NC	NEW CALEDONIA
BI	BURUNDI	NZ	NEW ZEALAND
KH	CAMBODIA	NI	NICARAGUA
CM	CAMEROON	NE	NIGER
CA	CANADA	NG	NIGERIA
RY	CANARY IS	NU	NIUE
CV	CAPE VERDE	NF	NORFOLK ISLAND
KY	CAYMAN IS	MP	NORTHERN MARIANA IS
CF	CENTRAL AFRICAN REP	NO	NORWAY
TD	CHAD	OM	OMAN

JE	CHANNEL ISLANDS	PK	PAKISTAN
CL	CHILE	PW	PALAU
CN	CHINA	PS	PALESTINE
CX	CHRISTMAS IS	PA	PANAMA
CC	COCOS KEELING IS	PG	PAPUA NEW GUINEA
CO	COLOMBIA	PY	PARAGUAY
KM	COMOROS	PE	PERU
CG	CONGO	PH	PHILIPPINES
CK	COOK IS	PN	PITCAIRN IS
CR	COSTA RICA	PL	POLAND
HR	CROATIA	PT	PORTUGAL
CU	CUBA	PR	PUERTO RICO
CY	CYPRUS	QA	QATAR
CZ	CZECH REPUBLIC	RE	REUNION IS
CD	DEM REP OF THE CONGO	RO	ROMANIA
DK	DENMARK	RU	RUSSIA
DJ	DJIBOUTI	RW	RWANDA
DM	DOMINICA	WS	SAMOA
DO	DOMINICAN REPUBLIC	SM	SAN MARINO
TP	EAST TIMOR	ST	SAO TOME & PRINCIPE
EC	ECUADOR	SA	SAUDI ARABIA
EG	EGYPT	SN	SENEGAL
SV	EL SALVADOR	YU	SERBIA & MONTENEGRO
GQ	EQUATORIAL GUINEA	SC	SEYCHELLES
ER	ERITREA	SL	SIERRA LEONE
EE	ESTONIA	SG	SINGAPORE
ET	ETHIOPIA	SK	SLOVAKIA
FK	FALKLAND IS	SI	SLOVENIA
FO	FAROE IS	SB	SOLOMON IS
FJ	FIJI	SO	SOMALIA
FI	FINLAND	ZA	SOUTH AFRICA
FR	FRANCE	ES	SPAIN
GF	FRENCH GUIANA	LK	SRI LANKA
PF	FRENCH POLYNESIA	HL	ST HELENA
GA	GABON	KN	ST KITTS & NEVIS
GM	GAMBIA	LC	ST LUCIA
GE	GEORGIA	PM	ST PIERRE & MIQUELON
DE	GERMANY	VC	ST VINCENT GRENADINE
GH	GHANA	SD	SUDAN
GI	GIBRALTAR	SR	SURINAM
GR	GREECE	SJ	SVALBARD & JAN MAYEN
GL	GREENLAND	SZ	SWAZILAND
GD	GRENADA	SE	SWEDEN
GP	GUADELOUPE	CH	SWITZERLAND

GU	GUAM	SY	SYRIA
GT	GUATEMALA	TW	TAIWAN
GN	GUINEA	TJ	TAJIKISTAN
GW	GUINEA BISSAU	TZ	TANZANIA
GY	GUYANA	TH	THAILAND
HT	HAITI	TL	Timor-Lestev
HM	HEARD & MCDONALD ISLANDS	TG	TOGO
HN	HONDURAS	TK	TOKELAU
HK	HONG KONG	TO	TONGA
HU	HUNGARY	TT	TRINIDAD & TOBAGO
IS	ICELAND	TN	TUNISIA
IN	INDIA	TR	TURKEY
ID	INDONESIA	TM	TURKMENISTAN
IR	IRAN	TC	TURKS & CAICOS IS
IQ	IRAQ	TV	TUVALU
IE	IRELAND	UG	UGANDA
IM	ISLE OF MAN	UA	UKRAINE
IL	ISRAEL	AE	UNITED ARAB EMIRATES
IT	ITALY	GB	UNITED KINGDOM
CI	IVORY COAST	US	UNITED STATES
JM	JAMAICA	UY	URUGUAY
JP	JAPAN	UM	US MINOR OUTLYING IS
JO	JORDAN	UZ	UZBEKISTAN
KZ	KAZAKHSTAN	VU	VANUATU
KE	KENYA	VA	VATICAN CITY
KI	KIRIBATI	VE	VENEZUELA
KP	KOREA NORTH	VN	VIETNAM
KR	KOREA SOUTH	VG	VIRGIN IS - BRITISH
KW	KUWAIT	VI	VIRGIN ISLANDS - US
KG	KYRGYZSTAN	WF	WALLIS & FUTUNA IS
LA	LAOS	EH	WESTERN SAHARA
LV	LATVIA	YE	YEMEN
LB	LEBANON	ZM	ZAMBIA
LS	LESOTHO	ZW	ZIMBABWE
LR	LIBERIA		

Appendix E – Currency Codes

Country Name	Currency Code	Currency Name
AFGHANISTAN	AFA	Afghani
ALGERIA	DZD	Algerian Dinar
NETHERLAND ANTILLES	ANG	Antillean Guilder
ARGENTINA	ARS	Argentine Peso
MADAGASCAR	MGF	Ariary
ARUBA	AWG	Aruban Florin
CHRISTMAS IS	AUD	Australian Dollar
AUSTRALIA	AUD	Australian Dollar
COCOS KEELING IS	AUD	Australian Dollar
KIRIBATI	AUD	Australian Dollar
TUVALU	AUD	Australian Dollar
HEARD & MCDONALD ISLANDS	AUD	Australian Dollar
NORFOLK ISLAND	AUD	Australian Dollar
NAURU	AUD	Australian Dollar
BAHRAIN	BHD	Bahraini Dinar
PANAMA	PAB	Balboa
BARBADOS	BBD	Barbadian Dollar
BELIZE	BZD	Belizean Dollar
BERMUDA	BMD	Bermudian Dollar
ERITREA	ERB	Birr
ETHIOPIA	ETB	Birr
VENEZUELA	VEB	Bolivar
BOLIVIA	BOB	Boliviano
BOSNIA & HERZEGOVINA	BAD	Bosnian Dinar
BR INDIAN OCEAN TERR	GBP	British Pound
ISLE OF MAN	GBP	British Pound
CHANNEL ISLANDS_	GBP	British Pound
UNITED KINGDOM	GBP	British Pound
BRUNEI	BND	Bruneian Dollar
BURUNDI	BIF	Burundi Franc
GABON	XAF	C.F.A. Franc
BURKINA FASO	XOF	C.F.A. Franc
BENIN	XOF	C.F.A. Franc
EQUATORIAL GUINEA	XOF	C.F.A. Franc
CONGO	XOF	C.F.A. Franc
IVORY COAST	XOF	C.F.A. Franc
CENTRAL AFRICAN REP	XOF	C.F.A. Franc
CAMEROON	XOF	C.F.A. Franc
NEW CALEDONIA	XPF	C.F.A. Franc
NIGER	XOF	C.F.A. Franc
SENEGAL	XOF	C.F.A. Franc

MALI	MLF	C.F.A. Franc
TOGO	XOF	C.F.A. Franc
FRENCH POLYNESIA	XPF	C.F.A. Franc
WALLIS & FUTUNA IS	XPF	C.F.A. Franc
CHAD	XOF	C.F.A. Franc
CANADA	CAD	Canadian Dollar
CAPE VERDE	CVE	Cape Verdean Escudo
CANARY IS	CVE	Cape Verdean Escudo
CAYMAN IS	CID	Caymanian Dollar
GHANA	GHC	Cedi
CHILE	CLP	Chilean Peso
COLOMBIA	COP	Colombian Peso
COMOROS	KMF	Comoran Franc
COSTA RICA	CRC	Costa Rican Colon
BRAZIL	BRE	Cruzeiro
CUBA	CUP	Cuban Peso
CYPRUS	CYP	Cypriot Pound
GAMBIA	GMD	Dalasi
GREENLAND	DKK	Danish Krone
DENMARK	DKK	Danish Krone
FAROE IS	DKK	Danish Krone
MACEDONIA	MKD	Denar
UNITED ARAB EMIRATES	AED	Dirham
DJIBOUTI	DJF	Djibouti Franc
SAO TOME & PRINCIPE	STD	Dobra
DOMINICAN REPUBLIC	DOP	Dominican Peso
ARMENIA	AMD	Dram
DOMINICA	XCD	East Caribbean Dollar
ANTIGUA AND BARBUDA	XCD	East Caribbean Dollar
ANGUILLA	XCD	East Caribbean Dollar
GRENADA	XCD	East Caribbean Dollar
ST LUCIA	XCD	East Caribbean Dollar
ST KITTS & NEVIS	XCD	East Caribbean Dollar
MONTSERRAT	XCD	East Caribbean Dollar
ST VINCENT&GRENADINE	XCD	East Caribbean Dollar
EGYPT	EGP	Egyptian Pound
GERMANY	EUR	Euro
AUSTRIA	EUR	Euro
SPAIN	EUR	Euro
BELGIUM	EUR	Euro
IRELAND	EUR	Euro
LUXEMBOURG	EUR	Euro
MONACO	EUR	Euro
ITALY	EUR	Euro

FINLAND	EUR	Euro
FRANCE	EUR	Euro
GREECE	EUR	Euro
MAYOTTE	EUR	Euro
NETHERLANDS	EUR	Euro
PORTUGAL	EUR	Euro
FALKLAND IS	FKP	Falkland Pound
FIJI	FJD	Fijian Dollar
HUNGARY	HUF	Forint
FRENCH GUIANA	FRF	French Franc
GUADELOUPE	FRF	French Franc
REUNION IS	FRF	French Franc
MARTINIQUE	FRF	French Franc
ST PIERRE & MIQUELON	FRF	French Franc
GIBRALTAR	GIP	Gibraltar Pound
NICARAGUA	NIC	Gold Cordoba
HAITI	HTG	Gourde
PARAGUAY	PYG	Guarani
GUINEA BISSAU	GWP	Guinea-Bissauan Peso
GUYANA	GYD	Guyanese Dollar
HONG KONG	HKD	Hong Kong Dollar
UKRAINE	UAH	Hryvnia
INDIA	INR	Indian Rupee
INDONESIA	IDR	Indonesian Rupiah
IRAN	IRR	Iranian Rial
IRAQ	IQD	Iraqi Dinar
SAN MARINO	ITL	Italian Lira
VATICAN CITY	ITL	Italian Lira
JAMAICA	JMD	Jamaican Dollar
JORDAN	JOD	Jordanian Dinar
KENYA	KES	Kenyan Shilling
PAPUA NEW GUINEA	PGK	Kina
CZECH REPUBLIC	CZK	Koruna
SLOVAKIA	SKK	Koruna
ICELAND	ISK	Krona
ESTONIA	EEK	Kroon
CROATIA	HRK	Kuna
KUWAIT	KWD	Kuwaiti Dinar
ANGOLA	AOK	Kwanza
MYANMAR	MMK	Kyat
GEORGIA	GEK	Lari
LATVIA	LVL	Lat
LEBANON	LBP	Lebanese Pound
ALBANIA	ALL	Lek

HONDURAS	HNL	Lempira
SIERRA LEONE	SLL	Leone
ROMANIA	ROL	Leu
MOLDOVA	MDL	Leu
BULGARIA	BGL	Lev
LIBERIA	LRD	Liberian Dollar
LIBYA	LYD	Libyan Dinar
SWAZILAND	SZL	Lilangeni
LITHUANIA	LTL	Litas
LESOTHO	LSL	Loti
MALAWI	MWK	Malawian Kwacha
MALTA	MTL	Maltese Lira
TURKMENISTAN	TMM	Manat
MAURITIUS	MUR	Mauritian Rupee
MOZAMBIQUE	MZM	Metical
WESTERN SAHARA	MAD	Moroccan Dirham
MOROCCO	MAD	Moroccan Dirham
NIGERIA	NGN	Naira
NAMIBIA	NAD	Namibian Dollar
NEPAL	NPR	Nepalese Rupee
SERBIA & MONTENEGRO	YUN	New Dinar
VIETNAM	VND	New Dong
ISRAEL	ILS	New Israeli Shekel
PALESTINE	ILS	New Israeli Shekel
LAOS	LAK	New Kip
TAIWAN	TWD	New Taiwan Dollar
URUGUAY	UYP	New Uruguayan Peso
DEM REP OF THE CONGO	ZRN	New Zaire
PITCAIRN IS	NZD	New Zealand Dollar
COOK IS	NZD	New Zealand Dollar
TOKELAU	NZD	New Zealand Dollar
NEW ZEALAND	NZD	New Zealand Dollar
NIUE	NZD	New Zealand Dollar
POLAND	PLZ	New Zloty
BHUTAN	BTN	Ngultrum
YEMEN	YER	North Yemeni Riyal
SVALBARD & JAN MAYEN	NOK	Norwegian Krone
NORWAY	NOK	Norwegian Krone
MEXICO	MXN	Nuevo Peso
PERU	PEN	Nuevo Sol
OMAN	OMR	Omani Rial
MAURITANIA	MRO	Ouguiya
TONGA	TOP	Pa'anga
PAKISTAN	PKR	Pakistani Rupee

MACAU	MOP	Pataca
PHILIPPINES	PHP	Philippine Peso
ST HELENA	SHP	Pound
BOTSWANA	BWP	Pula
QATAR	QAR	Qatari Riyal
GUATEMALA	GTQ	Quetzal
SOUTH AFRICA	ZAR	Rand
CAMBODIA	KHR	Riel
MALAYSIA	MYR	Ringgit
BELARUS	RUR	Ruble
RUSSIA	RUR	Ruble
TAJIKISTAN	RUR	Ruble
MALDIVES	MVR	Rufiyaa
RWANDA	RWF	Rwandan Franc
EL SALVADOR	SVC	Salvadoran Colon
SAUDI ARABIA	SAR	Saudi Riyal
SEYCHELLES	SCR	Seychelles Rupee
SINGAPORE	SGD	Singapore Dollar
SOLOMON IS	SBD	Solomon Islands Dollar
KYRGYZSTAN	KGS	Som
UZBEKISTAN	KGS	Som
SOMALIA	SOS	Somali Shilling
ANDORRA	SPP	Spanish Peseta
SRI LANKA	LKR	Sri Lankan Rupee
ECUADOR	ECS	Sucre
SUDAN	SDD	Sudanese Dinar
SURINAM	SRG	Surinamese Guilder
SWEDEN	SEK	Swedish Krona
SWITZERLAND	CHF	Swiss Franc
LIECHTENSTEIN	CHF	Swiss Franc
GUINEA	GNS	Syli
SYRIA	SYP	Syrian Pound
SAMOA	SAT	Tala
TANZANIA	TZS	Tanzanian Shilling
KAZAKHSTAN	KZT	Tenge
SLOVENIA	SIT	Tolar
TRINIDAD & TOBAGO	TTD	Trinidad & Tobago Dollar
MONGOLIA	MNT	Tughrik
TUNISIA	TND	Tunisian Dinar
TURKEY	YTL	Turkish Lira
UGANDA	UGX	Ugandan Shilling
AMERICAN SAMOA	USD	United States Dollar
AZERBAIJAN	USD	United States Dollar
BANGLADESH	USD	United States Dollar

BAHAMAS	USD	United States Dollar
GUAM	USD	United States Dollar
US MINOR OUTLYING IS	USD	United States Dollar
MICRONESIA	USD	United States Dollar
UNITED STATES	USD	United States Dollar
Timor-Lestev	USD	United States Dollar
PALAU	USD	United States Dollar
MARSHALL IS	USD	United States Dollar
NORTHERN MARIANA IS	USD	United States Dollar
THAILAND	USD	United States Dollar
EAST TIMOR	USD	United States Dollar
VIRGIN IS - BRITISH	USD	United States Dollar
VIRGIN ISLANDS - US	USD	United States Dollar
PUERTO RICO	USD	United States Dollar
TURKS & CAICOS IS	USD	United States Dollar
VANUATU	VUV	Vatu
KOREA NORTH	KPW	Won
KOREA SOUTH	KRW	Won
JAPAN	JPY	Yen
CHINA	CNY	Yuan
ZAMBIA	ZMK	Zambian Kwacha
ZIMBABWE	ZWD	Zimbabwean Dollar