

**aramex**  
delivery unlimited



# Your Guide to Embedding Aramex's Location API

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## Version History

Version	Change	Effective Date
1	Document Creation	Feb 2014

## Getting Started: Location API

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/Location/Service\\_1\\_0.svc](http://ws.dev.aramex.net/ShippingAPI/Location/Service_1_0.svc)

**Live URL:** [http://ws.aramex.net/ShippingAPI/Location/Service\\_1\\_0.svc](http://ws.aramex.net/ShippingAPI/Location/Service_1_0.svc)

## Location Services API

### Introduction

This document contains a complete guide on how to use the Location API. Location API is part of Aramex APIs, which allows you to validate a certain address, get a list of all countries, get a list of all cities within a certain country, get a list of the available ARAMEX offices within a certain country, and get the details of a certain country.

## Features:

The Location 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 transmissions are insured to be encrypted.

## Simple and easy to use:

The address to be validated is entered and the response states specifically the element in the address that is invalid, otherwise a correct address returns a true value.

## Flexibility:

In certain conditions the response returns suggested addresses to the one sent in the request if invalid.

## Accuracy and error handling

During the process of fetching cities, countries or validate address, the submitted information such as addresses, city name , country code and more, go 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

### □ Address Validation

Allows users to search for certain addresses and make sure that the address structure is correct

- This API may be used to make sure that address structures are correct before they are sent in the shipment creation method request in the Shipping Services API.

### □ Cities Fetching

Allows users to get all the cities within a certain country (country code).

Allows the users to specify city prefix within a certain country code then it fetches all those cities which start with the specified letters.

This feature is limited to 16000 cities.

## □ Countries Fetching

Allows users to get the world countries list.

## □ Country fetching

Allows users to get details of a certain country.

## □ Offices fetching

Allows users to get list of the available Aramex offices within a certain country (country code).

## Using Location Services API: How does it Work?

- The Location Services API uses a Web Service Definition Language (WSDL) that can be downloaded at <http://www.aramex.com/developers/aramex-apis/46790/location-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/46790/location-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

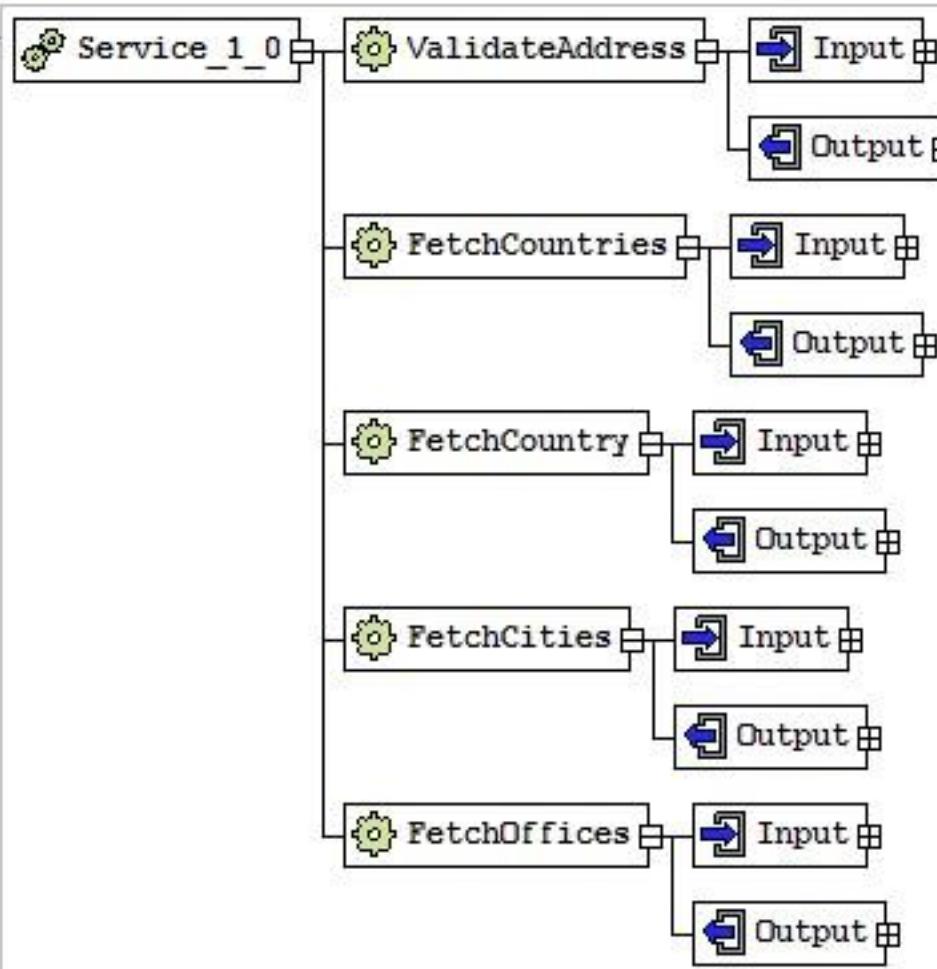
## Xml Structure Diagrams:

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 Location Services API XML.

## Location Services Service

Table 1: The Location Services Service Diagram

Diagram	Description
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This Service includes several methods as shown in **Fig.1**.

Each method has an Input (Request) and Output (Response), with their designed parameters.

**Fig.1. Location WSDL Service**

## 1 Methods

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

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## 1.1 Address Validation method:

Table 2: Address Validation Request & Response

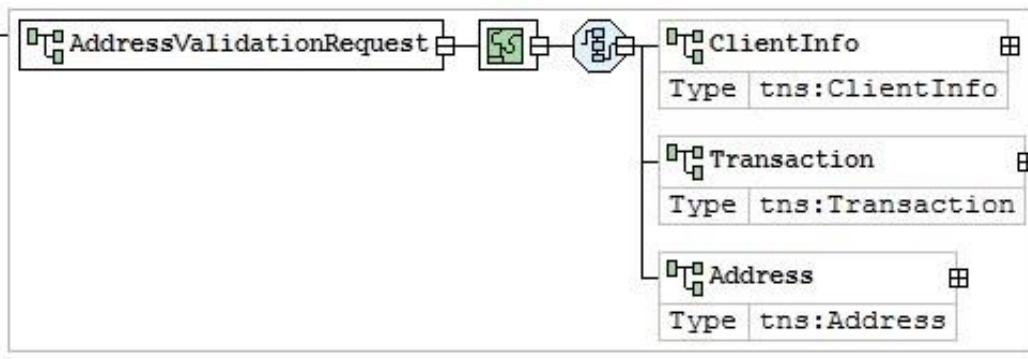
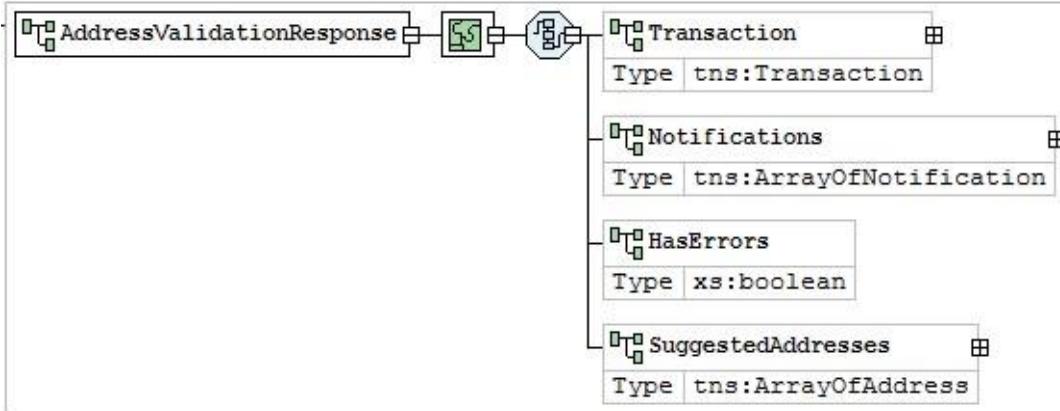
Diagram	Description
	<b>Address Validation Request:</b> This method Allows users to search for certain addresses and make sure that the address structure is correct. The <b>required</b> nodes to be filled are Client Info and Address, Their elements and further description can be found in <b>Table 13 , Table 15 , Fig.12 and Fig.17</b>
	<b>Address Validation Response:</b> Informs the user with the correct suggested Address structure for the address he entered by returning an address parameter. The Transaction Parameter is sent as filled in the request for identification purposes. Their elements and further description can be found in <b>Table 14 , Table 15 and Fig.17</b>

Fig.2. Address Validation Structure Request

Fig.3. Address Validation Structure Response

## 1.2 Cities Fetching Method

Table 18: Cities Fetching Request & Response

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Diagram	Description
<pre>classDiagram     class CitiesFetchingRequest {         ClientInfo         Transaction         CountryCode         State         NameStartsWith     }     class ClientInfo     class Transaction     class CountryCode     class State     class NameStartsWith</pre>	<p><b>Cities Fetching Request:</b></p> <p>This method allows users to get all the cities within a certain country (country code). And allows users to get list of the cities that start with a specific prefix. The <b>required</b> nodes to be filled are Client Info and Country Code. Their elements and further description can be found in <b>Table 13, Fig.12 and Appendix A</b>.</p>
<pre>classDiagram     class CitiesFetchingResponse {         Transaction         Notifications         HasErrors         Cities     }     class Transaction     class Notifications     class HasErrors     class Cities</pre>	<p><b>Cities Fetching Response:</b></p> <p>Informs the user with list of all cities Corresponds to the criteria he entered (country code, state Or city prefix). The Transaction parameters are returned from the request for identification purposes. Their elements and further description can be found in <b>Table 14</b>.</p>

## 1.3 Countries Fetching Method

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Table 3: Counties Fetching Request & Response

Diagram	Description
<p>Fig.6. Countries Fetching Structure Request</p> <pre>sequenceDiagram     participant RF [CountriesFetchingRequest]     participant S [green square]     participant CI [ClientInfo]     participant T [Transaction]     RF-&gt;&gt;S:      activate S     S-&gt;&gt;CI:      activate CI     CI--&gt;&gt;T:      deactivate CI     deactivate S     deactivate T</pre>	<p><b>Countries Fetching Request:</b> This method allows users to get the world countries list. The <b>required</b> node to be filled is Client Info. Its elements and further description can be found in <b>Table 13</b>.</p>
<p>Fig.7. Countries Fetching Structure Response</p> <pre>sequenceDiagram     participant RF [CountriesFetchingResponse]     participant S [green square]     participant CI [ClientInfo]     participant T [Transaction]     participant N [Notifications]     participant HE [HasErrors]     participant C [Countries]     RF-&gt;&gt;S:      activate S     S-&gt;&gt;CI:      activate CI     CI--&gt;&gt;T:      activate T     CI--&gt;&gt;N:      activate N     CI--&gt;&gt;HE:      activate HE     CI--&gt;&gt;C:      activate C     deactivate CI     deactivate S     deactivate T     deactivate N     deactivate HE     deactivate C</pre>	<p><b>Countries Fetching Response:</b> Returns the world countries list as array of country parameter. The Transaction parameters are returned from the request for identification purposes. Their elements and further description can be found in <b>Table 14</b>, <b>Table 16</b> and <b>Fig.18</b></p>

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## 1.4 Country Fetching Method

Table 4: Country Fetching Request & Response

Diagram	Description
<pre>sequenceDiagram     participant RF as CountryFetchingRequest     participant CI as ClientInfo     participant T as Transaction     participant C as Code     RF-&gt;&gt;CI:      activate CI     CI-&gt;&gt;T:      activate T     T-&gt;&gt;C:      activate C     C--&gt;&gt;RF: </pre>	<p><b>Country Fetching Request:</b> This method allows users to get details of a certain country. The <b>required</b> nodes to be filled are Client Info and Code. Their elements and further description can be found in <b>Table 13</b>. And <b>Appendix A</b></p>
<pre>sequenceDiagram     participant RF as CountryFetchingResponse     participant CI as ClientInfo     participant T as Transaction     participant C as Country     RF--&gt;&gt;CI:      activate CI     CI--&gt;&gt;T:      activate T     T--&gt;&gt;C:      activate C     C--&gt;&gt;RF: </pre>	<p><b>Country Fetching Response:</b> Informs the user with country details of a certain country by returning country Parameter. The Transaction Parameter is sent as filled in the request for identification purposes. Their elements and further description can be found in <b>Table 14</b>, <b>Table 16</b> and <b>Fig.18</b></p>

## 1.5 Offices Fetching Method

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Table 5: Offices Fetching Request & Response

Diagram	Description
<pre>classDiagram     class OfficesFetchingRequest {         ClientInfo         Transaction         CountryCode     }     class ClientInfo {         Type tns:ClientInfo     }     class Transaction {         Type tns:Transaction     }     class CountryCode {         Type xs:string     }</pre>	<p><b>Offices Fetching Request:</b></p> <p>This method allows users to get list of the available ARAMEX offices within a certain country. The <b>required</b> nodes to be filled are Client Info and Country Code. Their elements and further description can be found in <b>Table 13</b>. And <b>Appendix A</b></p>
<pre>classDiagram     class OfficesFetchingResponse {         Transaction         Notifications         HasErrors         Offices     }     class Transaction {         Type tns:Transaction     }     class Notifications {         Type tns:ArrayOfNotification     }     class HasErrors {         Type xs:boolean     }     class Offices {         Type tns:ArrayOfOffice     }</pre>	<p><b>Offices Fetching Response:</b></p> <p>Informs the user with ARAMEX offices within a certain country by returning array of Office Parameter. The Transaction Parameter is sent as filled in the request for identification purposes. Their elements and further description can be found in <b>Table 17</b>, <b>Table 14</b> and <b>Fig.20</b></p>

Fig.10. Offices Fetching Structure Request

Fig.11. Offices Fetching Structure Response

## 2 Elements Data structure

### 2.1 General Request Elements

These elements are present in all the methods of Location Services API (Address validation, Cities Fetching, Countries Fetching, Country Fetching and Offices fetching), in addition to other specified elements.

Table 6: General Request Elements - Client Info & Transaction

Diagram	Description
<pre>classDiagram     class ClientInfo {         UserName         Password         Version         AccountNumber         AccountPin         AccountEntity         AccountCountryCode         Source     }     ClientInfo &lt; --&gt; User     ClientInfo &lt; --&gt; Password     ClientInfo &lt; --&gt; Version     ClientInfo &lt; --&gt; AccountNumber     ClientInfo &lt; --&gt; AccountPin     ClientInfo &lt; --&gt; AccountEntity     ClientInfo &lt; --&gt; AccountCountryCode     ClientInfo &lt; --&gt; Source</pre>	<p><b>Client Info:</b></p> <p>The Client Info element is present in all the methods of this service.</p> <p>All its child elements are required to be filled.</p> <p><b>The user name and password are validated to allow access to the service.</b></p> <p>Version element, is the Version of the API the customer is using, which needs to be specified in the request</p> <p>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.</p> <p>Source, used for data mining purposes.</p> <p>For a more detailed description of the elements refer to <b>Table 13</b>.</p>

Fig.12. Client Info Structure Diagram

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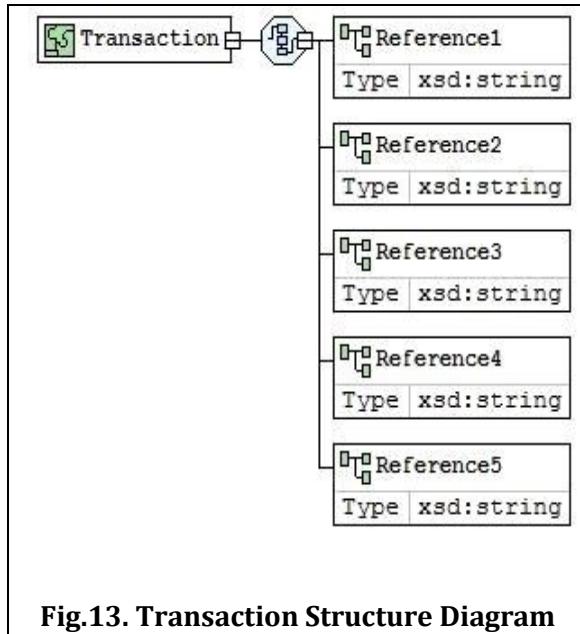


Fig.13. Transaction Structure Diagram

## 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)

**Table 7: General Response Elements**

Diagram	Description
 <b>Fig.14. Notification Structure Diagram</b>	<p><b>Notification:</b></p> <p>Contains details of the request errors or success.</p> <p><b>Code</b> = To Identify the notification category.  <b>Message</b> = Deeper description of the Notification.</p>
 <b>Fig.15. Transaction Structure Diagram</b>	<p><b>Transaction:</b></p> <p>Contains the data sent in the request by the user, used mainly for identification purposes.</p>

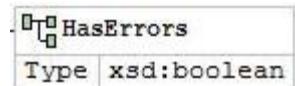


Fig.16. Has Errors Structure Diagram

## HasErrors:

Returns True if there are errors and false if there aren't.

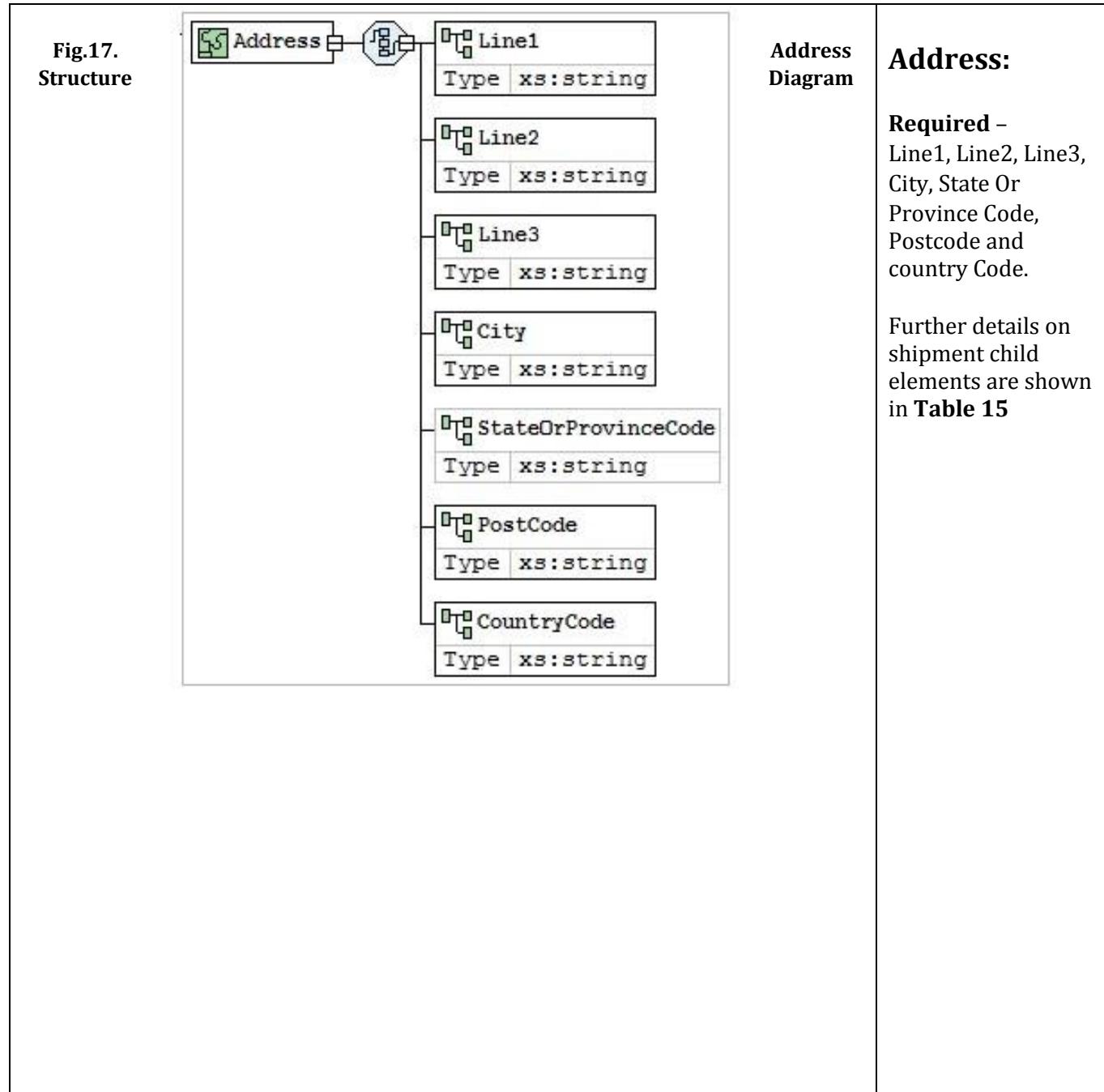
### 2.3 Address validation Elements

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

Table 8: Address Validation Request & Response Elements

Diagram	Description
---------	-------------

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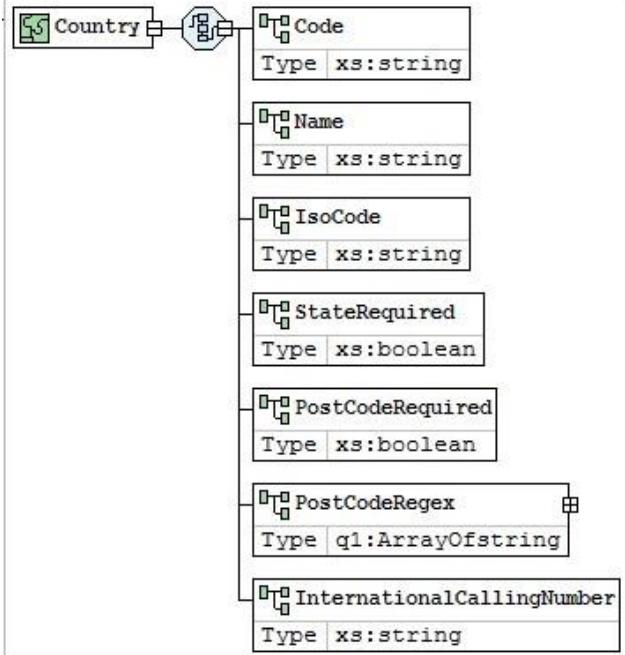
## 2.4 Countries Fetching Elements

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The request and response elements of the Countries Fetching method are described in the tables below:

**Table 9: Countries Fetching Response Elements**

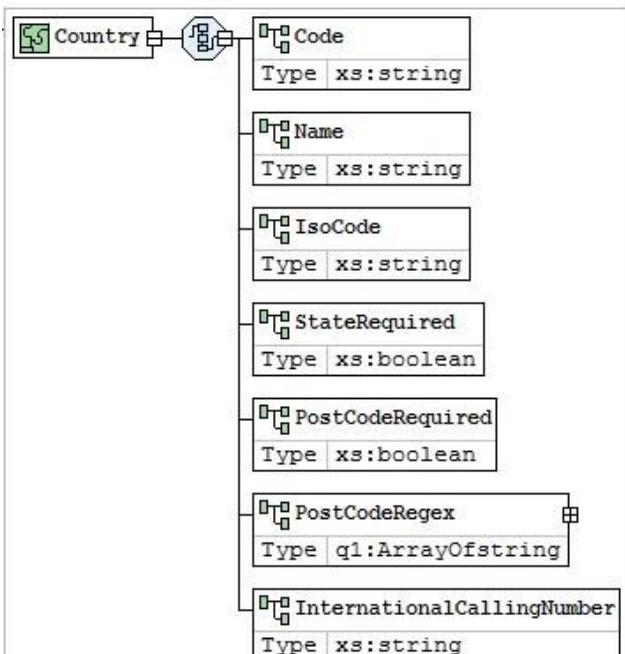
Diagram	Description
	<p><b>Country:</b> <b>Required –</b> None.</p> <p>Further details on Country child elements are shown in <b>Table 16</b></p>

**Fig.18. Countries Fetching Structure Diagram**

## 2.5 Country Fetching Elements

The request and response elements of the Country Fetching method are described in the tables below:

**Table 10: Country Fetching Response Elements**

Diagram	Description
	<p><b>Country:</b></p> <p><b>Required –</b> Country Code.</p> <p>Further details on Country child elements are shown in <b>Table 16</b></p>

**Fig.19. Country Fetching Structure Diagram**

## 2.6 Offices Fetching Elements

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The request and response elements of the Offices Fetching method are described in the tables below:

Table 11: Offices Fetching Response Elements

Diagram	Description
	<p><b>Office:</b></p> <p><b>Fields</b> – Entity, Entity Description, Office Type, Address, Telephone, Working Hours, Working Days, Longitude, Latitude.</p> <p>Further details on Office child elements are shown in <b>Table 17</b></p>

Fig.20. Offices Fetching Structure Diagram

## 3 Data Type Element Description

Further details on child elements of the Location 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.

### 3.1 Client Info

**Table 13: List of Elements present in the Client Structure**

Element	Data Type	Required	Length	Allowed Values	Description
User Name	String	M	50		A unique user name sent to the user upon registration with <a href="http://www.aramex.com">http://www.aramex.com</a>
Password	String	M	50		A unique password to verify the user name, sent to the user upon registration with <a href="http://www.aramex.com">http://www.aramex.com</a>
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.

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Account Country Code	String	M	2		Two Letter Code Identifying the Country. Refer to Appendix D
Source	Integer	M		Default = 24	This field may be customized for data mining purposes, if so then a value will be provided by Aramex.

## 4.1.1 Testing credentials

To be able to test the Location 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

## 3.2 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.

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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.

## 3.3 Address

Table 15: List of Elements present in the Address Structure

Element	Data Type	Required	Length	Allowed Values	Description
Line1	String	0	50	More than 3 characters	Additional Address information, such as the building number, block, street name.
Line2	String	0	50		Additional Address information.
Line3	String	0	50		Additional Address information.
City	String	C	50		Address City. <b>Conditional:</b> 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	M	30		Postal Code, if there is a postal code in the country code and city then it must be given.  <b>If there are multiple cities for the same post code, the list of cities will be returned in the SOAP response</b>
Country Code	String	M	2		2-Letter Standard ISO Country Code. Refer to <b>Appendix D</b> for a complete list of Country codes.

## 3.4 Country

Table 16: List of Elements present in the Country Structure

Element	Data Type	Required	Length	Allowed Values	Description
---------	-----------	----------	--------	----------------	-------------

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Name	String	M	25		Country Name.
Country Code	String	M	2		2-Letter Standard ISO Country Code. Refer to <b>Appendix A</b> for a complete list of Country codes.
State	String	M	50		Address State or province code. Required if The country code and city require a State or Province Code
Post Code	String	M	50		Postal Code, if there is a postal code in the country code and city then it must be given.
IsoCode	String	M	30		Standard ISO Country Code. Refer to <b>Appendix A</b>
State Required	Boolean	M	1		Flag holds (T/F) value to show if state is required or not for this country.
Post Code Required	Boolean	M	1		Flag holds (T/F) value to show if Post Code is required or not for this country.
International Calling Number	String	M	30		International Calling Numbers

## 3.5 Office

Table 17: List of Elements present in the Office Structure

Element	Data Type	Required	Length	Allowed Values	Description
Entity	String	M	3	3 characters	Identification Code for the Aramex office.
Entity Description	String	M	250		Additional information for Aramex office Entity.
Office Type	String	M	50		Additional information to show if it's a main or Branch Office.
Address	String	M	250		Full Office Address.

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Telephone	String	M	50		Telephone Number for Aramex's Office.
Working Days	String	M	100		Working days for Aramex's Office.
Working Hours	String	M	100		Working hours for Aramex's Office
Longitude	Decimal	M	50		Office's Longitude on the map
Latitude	Decimal	M	50		Office's Latitude distance on the map

## Appendix A – 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

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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

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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

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GN	GUINEA	TJ	TAJIKISTAN
GW	GUINEA BISSAU	TZ	TANZANIA
GY	GUYANA	TH	THAILAND
HT	HAITI	TL	Timor-Leste
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		

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## Appendix B – 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
COCONUT 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

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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

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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

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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

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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

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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

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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-Leste	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

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KOREA SOUTH	KRW	Won
JAPAN	JPY	Yen
CHINA	CNY	Yuan
ZAMBIA	ZMK	Zambian Kwacha
ZIMBABWE	ZWD	Zimbabwean Dollar