



Time In Transit

RESTful API Developer Guide

February 16, 2022



Important Information

UPS Developer Kit APIs

Your development of an application using UPS Developer Kit APIs is governed by the UPS Technology Agreement you entered into with UPS. The following are key legal requirements from these agreements for the UPS Developer Kit APIs. For more information on all requirements for the UPS Developer Kit APIs, please refer to the UPS Technology Agreement.

Defined terms used but not defined in this document have the meaning set forth in the UPS Technology Agreement.

Key Legal Requirements for UPS Developer APIs

Permitted Territories

This document can only be used in the countries of the Permitted Territory as defined in the UPS Technology Agreement, as applicable.

Use

The application must not be designed to allow distribution of information received through the UPS Developer Kit APIs to third parties, other than to persons having a bona fide interest in such information (e.g., the shipper, receiver, or the third party payer, or to your service providers authorized by UPS).

Consent to Use of UPS Mark

- All screens or forms generated by your application including information received through the UPS Developer Kit APIs must include (1) the UPS Mark positioned in reasonable proximity to the Information and of an appropriate size to readily identify the source of the Information as UPS and (2) the following language at the bottom of every screen that displays the UPS Mark: "UPS, the UPS brand mark, and the Color Brown are trademarks of United Parcel Service of America, Inc. All Rights Reserved." Except as set forth in the preceding sentence, you have no right to use the UPS Mark without the prior written approval of UPS.
- You shall not use the UPS Mark in association with any third party trademarks in a manner that might suggest co-branding or otherwise create potential confusion as to source or sponsorship of the application, or ownership of the UPS Mark.
- The UPS Mark shall be used only as provided by UPS electronically or in 400 copy form. The UPS Mark may not be altered in any manner, including proportions, colors, elements, etc., or animated, morphed or otherwise distorted in perspective or dimensional appearance.
- The UPS Mark may not be combined with any other symbols, including words, logos, icons, graphics, photos, slogans, numbers, or other design elements. A minimum amount of empty space must surround the UPS Mark separating it from any other object, such as type, photography, borders, edges, etc. The required area of empty space around the UPS Mark must be $\frac{1}{3}x$, where x equals the height of the UPS Mark.

Copyright and Proprietary Notice

In your application and any POD Letters you prepare, you must include a prominent reproduction of UPS's copyright and proprietary notices in a form and format specified by UPS (See the [Copyright](#) section of this document).

Display of Information

The application must not display information concerning any other provider of shipping services or such other shipping services on any page, whether comprising one or more frames, displaying information your application receives from the UPS Developer Kit APIs. Your application must present all data within each field received through the UPS Developer Kit APIs without amendment, deletion, or modification of any type.

Notice

In all communications with UPS concerning this document, please refer to the document date located on the cover.

Copyright

© 2022 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

The use, disclosure, reproduction, modification, transfer, or transmittal of this work for any purpose in any form or by any means without the written permission of United Parcel Service is strictly prohibited.

Trademarks

Some of the UPS corporate applications use United States city, state, and postal code information obtained by United Parcel Service of America, Inc. under a non-exclusive license from the United States Postal Service.

Table of Contents

Chapter 1: Introduction	5
Chapter 2: Understanding the Time In Transit RESTful API.....	6
Business Processes and Rules	6
Saturday Delivery	6
Chapter 3: Customer Integration Environment (CIE)	7
System Availability	7
Integration Testing and Production URLs	7
Chapter 4: Time In Transit RESTful API Elements and Details	8
Element Constraints.....	8
Header.....	9
URL.....	9
Request.....	10
Response.....	14
API Sample Scenario.....	25
Scenario:	25
Chapter 5: Time In Transit RESTful API FAQs	34
Appendices	35
Error Codes.....	35
HTTP Status Codes	35
Time In Transit RESTful API Error Codes	35
Country or Territory Codes	37
Currency Codes.....	45
Service Codes	54
Puerto Rico	54
Canada.....	55
Mexico.....	56
Poland.....	56
European Union	56
Other Countries or Territories	57
All	57

Chapter 1: Introduction

This document contains implementation instructions for integrating the Time In Transit RESTful API into your application, service, or system.

In this guide, you will find:

- Time In Transit functionality and business rules
- Header, URL, request and response elements
- Error response code descriptions

Intended Audience

- This guide is intended for developers who will be integrating the Time In Transit RESTful API into their application, service, or system.

Required Knowledge & Skills

This guide assumes you have a basic understanding of the following:

- Concepts and instructions in the *Introduction to the UPS Developer Kit* guide.
- Web APIs
- Software development

How to Use this Guide

- If this is your first time working with the UPS Developer Kit, begin with the Introduction to the UPS Developer Kit guide. This guide serves as the foundation for all API-specific developer guides.
- Chapter 3: Customer Integration Environment (CIE) contains information on UPS integration environments.
- Chapter 4: Time In Transit RESTful API Elements and Details contains Header, Request and Response details along with examples.
- Reference tables and error codes are located in the [Appendices](#).

Technical Specifications

The application creating the return is a Java REST Web Service providing Interface to client applications in Support of Chapter 3: Customer Integration Environment (CIE)

Chapter 2: Understanding the Time In Transit RESTful API

The Time In Transit RESTful API is used to determine the length of time required to ship a particular package, and compare delivery times for various UPS services.

When an application makes a Time in Transit request, it must provide the:

- Origin and destination address.
- Type of shipment.
- Anticipated shipping date.

The TimeInTransit response returns all available UPS services and an indication of the business days in transit.

- Document shipments within the United States require:
 - Origin and destination postal code.
 - Anticipated shipping date.
- Shipments that include more than documents, and international shipments require:
 - Shipment weight and value.
 - Indication of whether or not the destination is a private residence.

If a developer application specifies an address that UPS does not recognize, the Time In Transit RESTful API responds with a list of candidate addresses that appear to be close matches to the original address. The client application can limit the length of this list by specifying a maximum list size in its original request.

Business Processes and Rules

- UPS expects schema as defined in the request structure i.e., no spelling or structural deviations. Elements that are not defined in the data request will result in request being rejected.
- Only users that plan to ship packages manifested, tendered, and delivered by UPS can use the API.
- Any customers/developers abusing or data mining the API will have their access revoked.
- To access RESTful API documentation the user must have or create a My UPS profile.
- To access testing and production sites the user must have an Access Key. To get an Access Key you must have a My UPS profile and an associated shipping account. For additional information, refer to the [UPS Developer Kit User Guide](#).

Saturday Delivery

UPS offers Saturday Delivery options, for an additional charge, for many service levels. When requesting Time In Transit, services that are eligible for Saturday Delivery may be returned. Services that are available for Saturday Delivery will have an Estimated Delivery day of week as "SAT" (Saturday). In addition, if there is a charge for the service, there will be a Saturday Delivery indicator with a value of "1", along with a disclaimer that the service is available for an additional charge.



Three Day Select and Ground services are now available for Saturday Delivery in some cities at no additional charge. To determine if either of these services are available for your transit lane you must include the ResidentialAddressIndicator in your Request. In this case, the Saturday Delivery indicator will have a value of "0" and no disclaimer will show. However, the Estimated Delivery day of week will still be "SAT".

Chapter 3: Customer Integration Environment (CIE)

The Customer Integration Environment allows customers to test their application prior to launch. This environment is intended for integration testing of customer applications with the UPS servers.

Once your application has been thoroughly tested, you should redirect the application to the UPS Production Environment.



No stress testing should ever be performed by customers against any UPS systems.

To access testing and production sites the user must have an Access Key. You can request an Access Key after establishing a UPS profile and associating your shipping account.

Test your Rate and Service selections using valid and invalid data elements including postal codes, weights, and package types. This will ensure that your application has the ability to process success and error responses correctly.

System Availability

The Customer Integration Environment is available 24 hours a day, 7 days a week. Note the system is occasionally down for server maintenance.

Integration Testing and Production URLs

Testing:	https://wwwcie.ups.com/ship/v1/shipments/transittimes
Production:	https://onlinetools.ups.com/ship/v1/shipments/transittimes

Chapter 4: Time In Transit RESTful API Elements and Details

Element Constraints

The Header, URL, Parameters, Request and Response tables contain the full hierarchy of the API elements.

Element constraints are defined as follows:

Name

The element or container name.

Constraints

Required

- Yes - indicates the element must be present in the request or response.
- Yes* - indicates the element must be present in the request if the parent container is present in the request.
- No - indicates the element is optional and may be used if it applies to the request.
- Cond – indicates the element is required under certain conditions.

Type

- Container - holds a group of related elements.
- String - consists of alphanumeric characters, spaces, and decimals.
- Array - collection of values that allows to provide a list of values. An array begins with [(left bracket) and ends with] (right bracket). Its values are separated by , (comma).
- Header – header parameter
- Path – URL path parameter
- Query – URL query parameter

Length

- The maximum number of characters that can be present in a String. Length is not applicable (N/A) to Containers.

Max Allowed

- The maximum number of elements or containers that can be present in the parent container.

Description

A description of the element or container. Also any validation rules associated with the element/container.

Header

Name	Constraint	Description
transId	Required: Yes Type: String Length: 32	An identifier unique to the request.
transactionSrc	Required: Yes Type: String Length: 215	An identifier of the client/source application that is making the request
AccessLicenseNumber	Required: Yes Type: String Length: 16	The UPS Access Key associated with the UPS account.
Username	Required: Yes Type: String Length: 16	The username associated with your My UPS account.
Password	Required: Yes Type: String Length: 26	The password associated with your My UPS account.

URL

<https://onlinetools.ups.com/ship/v1/shipments/transittimes>

Request

Name	Constraint	Description
{ "originCountryCode" : "" }		
originCountryCode	Required: Yes Type: String Max Allowed: 1 Length: 2	Origin Country Code. Two letter country or territory code. For a list of valid values, refer to the Country or Territory Code table in the Appendix.
{ "originStateProvince" : "" }		
originStateProvince	Required: No Type: String Max Allowed: 1 Length: 50	Origin State/Province. Required for Domestic requests. For U.S. addresses, the value must be a valid 2-character value (per U.S. Mail standards). For non-U.S. addresses the full State or Province name should be provided.
{ "originCityName" : "" }		
originCityName	Required: Cond Type: String Max Allowed: 1 Length: 50	Origin city. Required for International requests for those countries that do not utilize postal codes.
{ "originTownName" : "" }		
originTownName	Required: No Type: String Max Allowed: 1 Length: 50	Origin town; This is also known as urbanization. Town is a subdivision of city.
{ "originPostalCode" : "" }		
originPostalCode	Required: Cond Type: String Max Allowed: 1 Length: 10	Origin Postal Code. Required for Domestic requests. Either 5- or 9-digit US zip codes must be used for U.S. addresses. For non-U.S. addresses, this is recommended for all countries that utilize postal codes.
{ "destinationCountryCode" : "" }		
destinationCountryCode	Required: Yes Type: String Max Allowed: 1 Length: 2	Destination Country code. Two letter country or territory code. For a list of valid values, refer to the Country or Territory Code table in the Appendix.
{ "destinationStateProvince" : "" }		
destinationStateProvince	Required: No Type: String Max Allowed: 1 Length: 50	Destination State/Province. Required for Domestic requests. For U.S. addresses, the value must be a valid 2-character value (per U.S. Mail standards). For non-U.S. addresses the full State or Province name should be provided.

Name	Constraint	Description
{ "destinationCityName" : "" }		
destinationCityName	Required: Cond Type: String Max Allowed: 1 Length: 50	Destination City. Required for International requests for those countries that do not utilize postal codes.
{ "destinationTownName" : "" }		
destinationTownName	Required: No Type: String Max Allowed: 1 Length: 50	Destination Town; This is also known as urbanization. Town is a subdivision of city.
{ "destinationPostalCode" : "" }		
destinationPostalCode	Required: Cond Type: String Max Allowed: 1 Length: 10	Destination Postal Code. Required for Domestic requests. Either 5- or 9-digit US zip codes must be used for U.S. addresses. For non-U.S. addresses, this is recommended for all countries that utilize postal codes.
{ "residentialIndicator" : "" }		
residentialIndicator	Required: Cond Type: String Max Allowed: 1 Length: 2	Required for Domestic requests. Valid values are: 01 = Residential 02 = Commercial.
{ "shipDate" : "" }		
shipDate	Required: Yes Type: String Max Allowed: 1 Length: 10	The date the shipment is tendered to UPS for shipping (can be dropped off at UPS or picked up by UPS). This date may or may not be the UPS business date. The user is allowed to query up to 35 days into the past and 60 days into the future. Format: yyyy-MM-dd
{ "shipTime" : "" }		
shipTime	Required: No Type: String Max Allowed: 1 Length: 8	The time the shipment is tendered to UPS for shipping (can be dropped off at UPS or picked up by UPS). Default is the current time, if it is not provided. Format: HH:MM:SS
{ "weight" : "" }		
weight	Required: Cond Type: String Max Allowed: 1 Length: 6.1	Weight. Required for international requests. Note: If decimal values are used, valid values will be rounded to the tenths. Note: Maximum value is 70 kilograms or 150 pounds.

Name	Constraint	Description
{ "weightUnitOfMeasure" : "" }		
weightUnitOfMeasure	Required: Cond Type: String Max Allowed: 1 Length: 3	Weight Unit Of Measure. Required for International requests. Unit of measure, such as LBS or KGS.
{ "shipmentContentsValue" : "" }		
shipmentContentsValue	Required: Cond Type: String Max Allowed: 1 Length: 9.2	Monetary value of shipment contents. Required for international requests. Required when origin country does not equal destination country and BillType is 03 (non-document) or 04 (WWEF) Required when origin country does not equal destination country, and destination country = CA, and BillType = 02 (document). Cannot exceed more than 9 whole numbers and 2 decimal places. Maximum value: 999999999.99
{ "shipmentContentsCurrencyCode" : "" }		
shipmentContentsCurrencyCode	Required: Cond Type: String Max Allowed: 1 Length: 3	The unit of currency used for values. Required for International requests. Must conform to ISO standards ("USD" for U.S. dollars, for example).
{ "billType" : "" }		
billType	Required: Cond Type: String Max Allowed: 1 Length: 2	Required for International requests. Valid values are: 02 - Document 03 - Non Document 04 - WWEF 07 – Pallet
{ "numberOfPackages" : "" }		
numberOfPackages	Required: No Type: Integer Max Allowed: 1 Length: 1..10	Total number of packages in shipment. Default: 1
{ "dropOffAtFacilityIndicator" : }		
dropOffAtFacilityIndicator	Required: No Type: Integer Max Allowed: 1 Length: 1	This is valid for WWEF (Bill Type code = '04') 0 = Pick up pallet(s) at shipper location 1 = Shipper will bring pallet(s) to UPS Facility
{ "holdForPickupIndicator" : }		
holdForPickupIndicator	Required: No Type: Integer Max Allowed: 1 Length: 1	This is valid for WWEF (Bill Type code = '04') 0 = Deliver to Consignee Address 1 = Consignee will pick up pallet(s) at UPS Facility

Name	Constraint	Description
{ "maxList" : "" }		
maxList	Required: No Type: String Max Allowed: 1 Length: N/A	Sets the limit for the number of candidates returned in a candidate list. Default value is 200.

Response

Name	Constraint	Description
{ "emsResponse" : {} }		
emsResponse	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Container for emsResponse details. Will be returned if the address information is adequate to provide a Time-in-Transit.
{ "emsResponse" : { "shipDate" : "" } }		
shipDate	Required: Yes* Type: String Max Allowed: 1 Length: 10	The date the user requests UPS to pick up the package from the origin. Format: YYYY-MM-DD
{ "emsResponse" : { "shipTime" : "" } }		
shipTime	Required: Yes* Type: String Max Allowed: 1 Length: 8	The time the shipment is tendered to UPS for shipping (can be dropped off at UPS or picked up by UPS). If it is not provided, it will be defaulted to current time. Format: HH:MM:SS
{ "emsResponse" : { "serviceLevel" : "" } }		
serviceLevel	Required: Yes Type: String Max Allowed: 1 Length: 1...3	Service Levels being returned. A = all service levels. Blank is the default for All Service Level values.
{ "emsResponse" : { "billType" : "" } }		
billType	Required: Yes* Type: String Max Allowed: 1 Length: 2	Bill Type to be returned. Valid values are: 02 - Document 03 - Non Document 04 - WVEF 07 – Pallet
{emsResponse: { dutyType: "" } }		
dutyType	Required: Yes* Type: String Max Allowed: 1 Length: 2	Populated with valid duty types for international transaction only. Valid duty types: "01", "02", "03", "04", "05", "06", "07", "08", "09" 01 – Dutiable 02 – Non Dutiable 03 – Low Value 04 – Courier Remission 05 – Gift 06 – Military 07 – Exception 08 – Line Release 09 – Low Value

Name	Constraint	Description
{ "emsResponse" : { "residentialIndicator" : "" } }		
residentialIndicator	Required: Yes* Type: String Max Allowed: 1 Length: 2	The Residential Indicator shows address is residential, otherwise commercial. Valid values are: 01 = Residential 02 = Commercial
{ "emsResponse" : { "destinationCityName" : "" } }		
destinationCityName	Required: Yes* Type: String Max Allowed: 1 Length: 50	Destination City.
{ "emsResponse" : { "destinationCountryName" : "" } }		
destinationCountryName	Required: Yes* Type: String Max Allowed: 1 Length: 1...30	Destination Country or Territory Name. If the country or territory Code in request is valid, then the corresponding country or territory name will be returned.
{ "emsResponse" : { "destinationCountryCode" : "" } }		
destinationCountryCode	Required: Yes* Type: String Max Allowed: 1 Length: 2	Destination country or territory code. For a list of valid values, refer to the Country or Territory Code table in the Appendix.
{ "emsResponse" : { "destinationPostalCode" : "" } }		
destinationPostalCode	Required: Cond Type: String Max Allowed: 1 Length: 1...10	Destination Postal Code. Will be returned for countries or territories with Postal Codes.
{ "emsResponse" : { "destinationPostalCodeLow" : "" } }		
destinationPostalCodeLow	Required: No Type: String Max Allowed: 1 Length: 1..10	The shipment destination postal code low range. Value may or may not differ from destinationPostalCode. Either 5- or 9-digit US zip codes must be used for U.S. addresses. For non-U.S. addresses, this is recommended for all countries that utilize postal codes.
{ "emsResponse" : { "destinationPostalCodeHigh" : "" } }		
destinationPostalCodeHigh	Required: No Type: String Max Allowed: 1 Length: 1..10	The shipment destination postal code high range. Value may or may not differ from destinationPostalCode. Either 5- or 9-digit US zip codes must be used for U.S. addresses. For non-U.S. addresses, this is recommended for all countries that utilize postal codes.

Name	Constraint	Description
{ "emsResponse" : { "destinationStateProvince" : "" } }		
destinationStateProvince	Required: No Type: String Max Allowed: 1 Length: 1...30	Destination State/Province. For International: returned if user enters valid country or territory code, and City/postal code and it has a match. For Domestic addresses, the value must be a valid 2-character value (per US Mail standards). For International the full State or Province name will be returned.
{ "emsResponse" : { "originCityName" : "" } }		
originCityName	Required: Yes* Type: String Max Allowed: 1 Length: 1...30	Origin City.
{ "emsResponse" : { "originCountryName" : "" } }		
originCountryName	Required: Yes* Type: String Max Allowed: 1 Length: 1...30	Origin Country or Territory Name. If the country or territory code in the request is valid, then the corresponding country or territory name will be returned.
{ "emsResponse" : { "originCountryCode" : "" } }		
originCountryCode	Required: Yes* Type: String Max Allowed: 1 Length: 1...2	Origin country or territory code. For a list of valid values, refer to the Country or Territory Code table in the Appendix.
{ "emsResponse" : { "originPostalCode" : "" } }		
originPostalCode	Required: Cond Type: String Max Allowed: 1 Length: 1...10	Origin Postal Code. Will be returned for countries or territories with Postal Codes.
{ "emsResponse": { "originPostalCodeLow" : "" } }		
originPostalCodeLow	Required: No Type: String Max Allowed: 1 Length: 1..10	The shipment origin postal code low range. Value may or may not differ from originPostalCode. Either 5- or 9-digit US zip codes must be used for U.S. addresses. For non-U.S. addresses, this is recommended for all countries that utilize postal codes.
{ "emsResponse" : { "originPostalCodeHigh" : "" } }		
originPostalCodeHigh	Required: No Type: String Max Allowed: 1 Length: 1..10	The shipment origin postal code high range. Value may or may not differ from originPostalCode. Either 5- or 9-digit US zip codes must be used for U.S. addresses. For non-U.S. addresses, this is recommended for all countries that utilize postal codes.

Name	Constraint	Description
{ "emsResponse" : { "originStateProvince" : "" } }		
originStateProvince	Required: Cond Type: String Max Allowed: 1 Length: 1...30	Origin State/Province. For International: returned if user enters valid country or territory code, and City/postal code and it has a match. For Domestic addresses, the value must be a valid 2-character value (per US Mail standards). For International the full State or Province name will be returned.
{ "emsResponse" : { "weightUnitOfMeasure" : "" } }		
weightUnitOfMeasure	Required: Yes* Type: String Max Allowed: 1 Length: 3	Weight Unit Of Measure. The unit of measurement supplied by the user is returned. Valid values: LBS = Pounds KGS = Kilograms
{ "emsResponse" : { "weight" : "" } }		
weight	Required: Yes* Type: String Max Allowed: 1 Length: 1...9	Weight of the package. Will return the Weight if supplied by user. Allows for only one decimal point and one decimal place.
{ "emsResponse" : { "shipmentContentsValue" : "" } }		
shipmentContentsValue	Required: Yes* Type: String Max Allowed: 1 Length: 1...12	Shipment Contents Value. Will return the Monetary Value supplied in the request document.
{ "emsResponse" : { "shipmentContentsCurrencyCode" : "" } }		
shipmentContentsCurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 1...3	Shipment Contents Currency Code. Will return the currency code supplied in the request document.
{ "emsResponse" : { "guaranteeSuspended" : "" } }		
guaranteeSuspended	Required: Yes* Type: Boolean Max Allowed: 1 Length: N/A	Indicates whether the guarantees are in effect. Valid values: true, false
{ "emsResponse" : { "numberOfServices" : "" } }		
numberOfServices	Required: Cond Type: Integer Max Allowed: 1 Length: N/A	Number of services being returned in the services array.
{ "emsResponse" : { "services" : [{}] } }		
services	Required: Cond Type: Container Max Allowed: Many Length: N/A	Container that provides the Service and indication of the service is guaranteed and Estimated Arrival information.

Name	Constraint	Description
{ "emsResponse" : { "services" : [{ "serviceLevel" : "" }] } }		
serviceLevel	Required: Yes* Type: String Max Allowed: 1 Length: 1...4	Alphanumeric service code being returned. For a list of valid values, refer to the Service Codes in the Appendix.
{ "emsResponse" : { "services" : [{ "serviceLevelDescription" : "" }] } }		
serviceLevelDescription	Required: Yes* Type: String Max Allowed: 1 Length: 1..35	Description of service. Example, UPS Next Day Air, UPS Ground etc, as referenced by the Service Code.
{ "emsResponse" : { "services" : { "shipDate" : "" } } }		
shipDate	Required: Yes* Type: String Max Allowed: 1 Length: 10	The date the user requests UPS to pickup the package from the origin. Format: YYYY-MM-DD
{ "emsResponse" : { "services" : { "deliveryDate" : "" } } }		
deliveryDate	Required: Yes* Type: String Max Allowed: 1 Length: 10	Scheduled Local Delivery Date. Format: YYYY-MM-DD
{ "emsResponse" : { "services" : { "commitTime" : "" } } }		
commitTime	Required: Yes* Type: String Max Allowed: 1 Length: 8	Last available time that UPS can pickup the shipment. Format is HH:MM:SS.
{ "emsResponse" : { "services" : { "deliveryTime" : "" } } }		
deliveryTime	Required: Yes* Type: String Max Allowed: 1 Length: 8	The time UPS will pick up the shipment. This is commit Time. Military time format: HH:MM:SS
{ "emsResponse" : { "services" : { "deliveryDayOfWeek" : "" } } }		
deliveryDayOfWeek	Required: Yes* Type: String Max Allowed: 1 Length: 9	Day of week.
{ "emsResponse" : { "services" : { "nextDayPickupIndicator" : "" } } }		
nextDayPickupIndicator	Required: Yes* Type: String Max Allowed: 1 Length: 1	Next day pickup available. Required for International requests. Valid values are: 1 = Yes 0 = No
{ "emsResponse" : { "services" : { "saturdayPickupIndicator" : "" } } }		

Name	Constraint	Description
saturdayPickupIndicator	Required: Yes* Type: String Max Allowed: 1 Length: 1	Required for International requests. Valid values are: 1 = Yes 0 = No
{ "emsResponse" : { "services" : { "saturdayDeliveryIndicator" : "" } } }		
saturdayDeliveryIndicator	Required: Yes* Type: String Max Allowed: 1 Length: 1	Required for International requests. Valid values are: 1 = Yes 0 = No
{ "emsResponse" : { "services" : { "saturdayDeliveryDate" : "" } } }		
saturdayDeliveryDate	Required: Cond Type: String Max Allowed: 1 Length: 10	Delivery date of Saturday Delivery. It will be returned when SaturdayDeliveryIndicator = 1. Format is YYYY-MM-DD.
{ "emsResponse" : { "services" : { "saturdayDeliveryTime" : "" } } }		
saturdayDeliveryTime	Required: Cond Type: String Max Allowed: 1 Length: 8	Delivery time of Saturday delivery. It will be returned when SaturdayPickupIndicator = 1. Format is HH:MM:SS.
{ "emsResponse" : { "services" : { "serviceRemarksText" : "" } } }		
serviceRemarksText	Required: No Type: String Max Allowed: 1 Length: 0..50	Service remarks text. The contents of this field will represent text that the back end application/function needs to display to clarify the time in transit calculation.
{ "emsResponse" : { "services" : { "guaranteeIndicator" : "" } } }		
guaranteeIndicator	Required: Yes* Type: String Max Allowed: 1 Length: 1	Indicates whether the service will be guaranteed or not. Valid values are: 1 = Yes 0 = No
{ "emsResponse" : { "services" : { "totalTransitDays" : "" } } }		
totalTransitDays	Required: Yes* Type: Integer Max Allowed: 1 Length: 5	Required for International requests. Number of calendar days from Origin Location to Destination Location. TotalTransitDays = BusinessTransitDays + RestDaysCount + HolidayCount
{ "emsResponse" : { "services" : { "businessTransitDays" : "" } } }		
businessTransitDays	Required: Yes* Type: Integer Max Allowed: 1 Length: 5	Number of UPS business days from Origin Location to Destination Location.

Name	Constraint	Description
{ "emsResponse" : { "services" : { "restDaysCount" : "" } } }		
restDaysCount	Required: Yes* Type: Integer Max Allowed: 1 Length: 2	Number of rest days (ie: non movement).
{ "emsResponse" : { "services" : { "holidayCount" : "" } } }		
holidayCount	Required: Yes* Type: Integer Max Allowed: 1 Length: 2	Number of National holidays during transit.
{ "emsResponse" : { "services" : { "delayCount" : "" } } }		
delayCount	Required: Yes* Type: Integer Max Allowed: 1 Length: 2	Number of days delayed at customs.
{ "emsResponse" : { "services" : { "pickupDate" : "" } } }		
pickupDate	Required: Yes* Type: String Max Allowed: 1 Length: 10	The date that UPS picks up your shipment from your location. Format is YYYY-MM-DD.
{ "emsResponse" : { "services" : { "pickupTime" : "" } } }		
pickupTime	Required: Yes Type: String Max Allowed: 1 Length: 8	The time that UPS picks up the shipment from the location. Format is HH:MM:SS.
{ "emsResponse" : { "services" : { "cstccutoffTime" : "" } } }		
cstccutoffTime	Required: Yes* Type: String Max Allowed: 1 Length: 8	Last available time that UPS can pick up the shipment. Format is HH:MM:SS.
{ "emsResponse" : { "services" : { "poddate" : "" } } }		
poddate	Required: No Type: String Max Allowed: 1 Length: 10	Date POD (Proof Of Delivery) information will be available. Required for International requests. Format is YYYY-MM-DD.
{ "emsResponse" : { "services" : { "poddays" : "" } } }		
poddays	Required: No Type: Integer Max Allowed: 1 Length: 1..2	Number of days until POD (Proof Of Delivery) information is available. Required for International requests.
{ "validationList" : {} }		
validationList	Required: Cond Type: Container Max Allowed: 1 Length: N/A	This container is returned when the request is not eligible for returning services and eligible for candidate list.

Name	Constraint	Description
{ "validationList" : { "invalidFieldList" : [] } }		
invalidFieldList	Required: Yes* Type: Array Max Allowed: 1 Length: N/A	This is a list of request element names which failed validation. The corresponding validation error codes are returned in the invalidFieldListCodes array. Example: invalidFieldList": ["OriginCityName", "WeightUnitOfMeasure", "DestinationCityName"]
{ "validationList" : { "invalidFieldListCodes" : [] } }		
invalidFieldListCodes	Required: Yes* Type: Array Max Allowed: 1 Length: Many	This is a list of validation error codes for the request elements which failed validation. The corresponding validation element names are returned in the invalidFieldList array. Example: invalidFieldListCodes": ["1030", "1110", "1070"]
{ "validationList" : { "destinationAmbiguous" : "" } }		
destinationAmbiguous	Required: Yes* Type: Boolean Max Allowed: 1 Length: N/A	This indicates whether the destination have a candidate list returned. Valid values: true or false
{ "validationList" : { "originAmbiguous" : {} } }		
originAmbiguous	Required: Yes* Type: Boolean Max Allowed: 1 Length: N/A	This indicates whether the origin have a candidate list returned. Valid values: true or false
{ "originPickList" : [{ }] }		
originPickList	Required: Cond Type: Container Max Allowed: UNB Length: N/A	This is a container for Origin candidate list.
{ "originPickList" : [{ "countryName" : "" }] }		
countryName	Required: Yes* Type: String Max Allowed: 1 Length: 1...50	CountryName.

Name	Constraint	Description
{ "originPickList" : [{ "countryCode" : "" }] }		
countryCode	Required: Yes* Type: String Max Allowed: 1 Length: 1...2	A country or territory code.
{ "originPickList" : [{ "stateProvince" : "" }] }		
stateProvince	Required: Yes* Type: String Max Allowed: 1 Length: 1...30	State/Province.
{ "originPickList" : [{ "city" : "" }] }		
city	Required: Yes* Type: String Max Allowed: 1 Length: 1...30	City.
{ "originPickList" : [{ "town" : "" }] }		
town	Required: Yes* Type: String Max Allowed: 1 Length: 1...30	Town.
{ "originPickList" : [{ "postalCode" : "" }] }		
postalCode	Required: Yes* Type: String Max Allowed: 1 Length: 1...10	Postal Code.
{ "originPickList" : [{ "postalCodeLow" : "" }] }		
postalCodeLow	Required: Yes* Type: String Max Allowed: 1 Length: 1..10	<p>Low-end Postal Code. (May be used to return a range).</p> <p>If it is returning a range, this field is validating the low end.</p> <p>For example, if the input combination is Atlanta, GA 30300, the evaluator would recognize that 30300 is not a valid postal code and would return up to 10 valid candidates that closely match the input combination.</p> <p>Some matches include a postal code range (e.g., 30301-30371), however, some only have one associated postal code.</p> <p>In this example, 30301 would be the Low-end Postal Code Match and 30371 would be the High-end Postal Code Match.</p> <p>Therefore, there are 71 postal codes associated with this particular match.</p> <p>Returned based the postal code the user supplied as the low end range.</p>
{ "originPickList" : [{ "postalCodeHigh" : "" }] }		
postalCodeHigh	Required: Yes* Type: String Max Allowed: 1 Length: 1..10	<p>High-end Postal Code used to submit a range. May be used to return a range.</p> <p>Returned if a range of postal codes is available for the candidate.</p>

Name	Constraint	Description
{ "destinationPickList" : [{ }] }		
destinationPickList	Required: Cond Type: Container Max Allowed: UNB Length: N/A	This is a container for destination candidate list.
{ "destinationPickList" : [{ "countryName" : "" }] }		
countryName	Required: Yes* Type: String Max Allowed: 1 Length: 1...30	Country Name.
{ "destinationPickList" : [{ "countryCode" : "" }] }		
countryCode	Required: Yes* Type: String Max Allowed: 1 Length: 1...2	Country Code.
{ "destinationPickList" : [{ "stateProvince" : "" }] }		
stateProvince	Required: Yes* Type: String Max Allowed: 1 Length: 1...30	State or Province.
{ "destinationPickList" : [{ "city" : "" }] }		
city	Required: Yes* Type: String Max Allowed: 1 Length: 1...30	City.
{ "destinationPickList" : [{ "town" : "" }] }		
town	Required: Yes* Type: String Max Allowed: 1 Length: 1...10	Town.
{ "destinationPickList" : [{ "postalCode" : "" }] }		
postalCode	Required: Yes* Type: String Max Allowed: 1 Length: 1..10	Postal Code.
{ "destinationPickList" : [{ "postalCodeLow" : "" }] }		

Name	Constraint	Description
postalCodeLow	Required: Yes* Type: String Max Allowed: 1 Length: 1..10	<p>Low-end Postal Code. (Used to return a range).</p> <p>This field is validating the low end.</p> <p>For example, if the input combination is Atlanta, GA 30300, the evaluator would recognize that 30300 is not a valid postal code and would return up to 10 valid candidates that closely match the input combination.</p> <p>Some matches include a postal code range (e.g., 30301-30371), however, some only have one associated postal code.</p> <p>In this example, 30301 would be the Low-end Postal Code Match and 30371 would be the High-end Postal Code Match.</p> <p>Therefore, there are 71 postal codes associated with this particular match.</p> <p>Returned based the postal code the user supplied as the low end range.</p>
<pre>{ "destinationPickList" : [{"postalCodeHigh" : ""}] }</pre>		
postalCodeHigh	Required: Yes* Type: String Max Allowed:1 Length: 1..10	<p>High-end Postal Code used to submit a range. Used to return a range.</p> <p>Returned if a range of postal codes is available for the candidate.</p>

API Sample Scenario

Scenario:

Client application is requesting a TimeInTransit request.

Method	POST
Header Elements	Content-Type: application/json Accept: application/json Username: username Password: password AccessLicenseNumber: accesslicensenum transId: transaction id transactionSrc: transaction source
Example URL	https://onlinetools.ups.com/ship/v1/shipments/transittimes
Example Request	<pre>{ "originCountryCode":"US", "originStateProvince":"", "originCityName":"", "originTownName":"", "originPostalCode":"10001", "destinationCountryCode":"US", "destinationStateProvince":"", "destinationCityName":"", "destinationTownName":"", "destinationPostalCode":"10001", "weight":"10.0", "weightUnitOfMeasure":"kgs", "shipmentContentsValue":"10", "shipmentContentsCurrencyCode":"EUR", "billType":"03", "requestType":"D", "shipDate":"2019-03-29", "shipTime":"17:00:00", "residentialIndicator":"01", "numberOfPackages":"1", "returnUnfilteredServices": false, "returnHeavyGoodsServices": true, "dropOffAtFacilityIndicator": 1, "holdForPickupIndicator": 1 }</pre>

**Example
Response****// SUCCESS RESPONSE**

```
{
  "emsResponse": {
    "shipDate": "2019-03-29",
    "shipTime": "11:25:17",
    "dangerousGoods": "0",
    "serviceLevel": "A",
    "deliveryDateType": "L",
    "billType": "03",
    "residentialIndicator": "01",
    "destinationCityName": "NEW YORK",
    "destinationCountryName": "UNITED STATES",
    "destinationCountryCode": "US",
    "destinationPostalCode": "10001",
    "destinationStateProvince": "NY",
    "originCityName": "NEW YORK",
    "originCountryName": "UNITED STATES",
    "originCountryCode": "US",
    "originPostalCode": "10001",
    "originStateProvince": "NY",
    "shipmentContentsCurrencyCode": "EUR",
    "weightUnitOfMeasure": "KGS",
    "weight": "10.0",
    "shipmentContentsValue": "10.00",
    "heartbeatIndicator": 0,
    "dropOffAtFacilityIndicator": 0,
    "holdForPickupIndicator": 0,
    "guaranteeSuspended": false,
    "returnUnfilteredServices": false,
    "returnHeavyGoodsServices": false,
    "numberOfServices": 4,
    "services": [
      {
        "deliveryTimeStamp": "2019-03-30 09:00:00.200021000",
        "serviceLevel": "1DMS",
        "serviceLevelDescription": "UPS Next Day Air® Early",
        "serviceErrorCode": "00000000",
        "serviceErrorText": null,
        "businessTransitDays": 1,
        "totalTransitDays": 0,
        "deliveryDate": "2019-03-30",
```

```
"deliveryTime": "12:00:00",
"deliveryDayOfWeek": "SAT",
"nextDayPickupIndicator": "0",
"saturdayPickupIndicator": "0",
"saturdayDeliveryIndicator": "1",
"saturdayDeliveryDate": null,
"saturdayDeliveryTime": null,
"guaranteeIndicator": "1",
"restDaysCount": 0,
"holidayCount": 0,
"delayCount": 0,
"commitTime": "09:00:00",
"serviceRemarksText": null,
"shipDate": "2019-03-29",
"pickupTime": "21:00:00",
"pickupDate": "2019-03-29",
"poddate": null,
"poddays": 0,
"tttsdate": null,
"tttsdays": 0,
"stccutoffTime": "20:00:00"
},
{
  "deliveryTimeStamp": "2019-03-30 12:00:01.200021000",
  "serviceLevel": "1DAS",
  "serviceLevelDescription": "UPS Next Day Air®",
  "serviceErrorCode": "00000000",
  "serviceErrorText": null,
  "businessTransitDays": 1,
  "totalTransitDays": 0,
  "deliveryDate": "2019-03-30",
  "deliveryTime": "12:00:00",
  "deliveryDayOfWeek": "SAT",
  "nextDayPickupIndicator": "0",
  "saturdayPickupIndicator": "0",
  "saturdayDeliveryIndicator": "1",
  "saturdayDeliveryDate": null,
  "saturdayDeliveryTime": null,
  "guaranteeIndicator": "1",
  "restDaysCount": 0,
  "holidayCount": 0,
```

```
"delayCount": 0,
"commitTime": "12:00:00",
"serviceRemarksText": null,
"shipDate": "2019-03-29",
"pickupTime": "21:00:00",
"pickupDate": "2019-03-29",
"poddate": null,
"poddays": 0,
"ttssdate": null,
"ttssdays": 0,
"csccutoffTime": "20:00:00"
},
{
  "deliveryTimeStamp": "2019-03-30 23:00:10.200021000",
  "serviceLevel": "GND",
  "serviceLevelDescription": "UPS Ground",
  "serviceErrorCode": "00000000",
  "serviceErrorText": null,
  "businessTransitDays": 1,
  "totalTransitDays": 0,
  "deliveryDate": "2019-03-30",
  "deliveryTime": "23:00:00",
  "deliveryDayOfWeek": "SAT",
  "nextDayPickupIndicator": "0",
  "saturdayPickupIndicator": "0",
  "saturdayDeliveryIndicator": "0",
  "saturdayDeliveryDate": null,
  "saturdayDeliveryTime": null,
  "guaranteeIndicator": "1",
  "restDaysCount": 0,
  "holidayCount": 0,
  "delayCount": 0,
  "commitTime": "23:00:00",
  "serviceRemarksText": null,
  "shipDate": "2019-03-29",
  "pickupTime": "21:00:00",
  "pickupDate": "2019-03-29",
  "poddate": null,
  "poddays": 0,
  "ttssdate": null,
  "ttssdays": 0,
```

	<pre> "cstccutoffTime": "20:00:00" }, { "deliveryTimeStamp": "2019-04-01 23:00:00.000000000", "serviceLevel": "HGG", "serviceLevelDescription": "Heavy Goods", "serviceErrorCode": "00000000", "serviceErrorText": null, "businessTransitDays": 1, "totalTransitDays": 0, "deliveryDate": "2019-04-01", "deliveryTime": "23:00:00", "deliveryDayOfWeek": "MON", "nextDayPickupIndicator": "0", "saturdayPickupIndicator": "0", "saturdayDeliveryIndicator": "0", "saturdayDeliveryDate": null, "saturdayDeliveryTime": null, "guaranteeIndicator": "1", "restDaysCount": 0, "holidayCount": 0, "delayCount": 0, "commitTime": "23:00:00", "serviceRemarksText": null, "shipDate": "2019-03-29", "pickupTime": "00:00:00", "pickupDate": "2019-03-29", "poddate": null, "poddays": 0, "ttsdate": null, "ttssdays": 0, "cstccutoffTime": "00:00:00" }] } } </pre>
Example validationList Response	<pre> { "validationList": { "invalidFieldList": ["OriginCityName"], </pre>

```
"destinationAmbiguous": false,
"originAmbiguous": true,
"invalidFieldListCodes": [
  "1030"
],
"invalidFieldListEmpty": false
},
"originPickList": [
  {
    "countryName": "UNITED STATES",
    "countryCode": "US",
    "stateProvince": "CA",
    "city": "BEVERLY HILLS",
    "town": "",
    "postalCode": "90210",
    "postalCodeLow": "90210",
    "postalCodeHigh": "90210"
  },
  {
    "countryName": "UNITED STATES",
    "countryCode": "US",
    "stateProvince": "CA",
    "city": "BEVERLY HILLS",
    "town": "",
    "postalCode": "90211",
    "postalCodeLow": "90211",
    "postalCodeHigh": "90211"
  },
  {
    "countryName": "UNITED STATES",
    "countryCode": "US",
    "stateProvince": "CA",
    "city": "BEVERLY HILLS",
    "town": "",
    "postalCode": "90212",
    "postalCodeLow": "90212",
    "postalCodeHigh": "90212"
  },
  {
    "countryName": "UNITED STATES",
    "countryCode": "US",
```

```
"stateProvince": "CA",
"city": "BEVERLY HILLS",
"town": "",
"postalCode": "90213",
"postalCodeLow": "90213",
"postalCodeHigh": "90213"
}
],
"destinationPickList": [
{
"countryName": "UNITED STATES",
"countryCode": "US",
"stateProvince": "NY",
"city": "NEW YORK",
"town": "",
"postalCode": "10001",
"postalCodeLow": "10001",
"postalCodeHigh": "10001"
},
{
"countryName": "UNITED STATES",
"countryCode": "US",
"stateProvince": "NY",
"city": "EMPIRE STATE",
"town": "",
"postalCode": "10001",
"postalCodeLow": "10001",
"postalCodeHigh": "10001"
},
{
"countryName": "UNITED STATES",
"countryCode": "US",
"stateProvince": "NY",
"city": "GPO",
"town": "",
"postalCode": "10001",
"postalCodeLow": "10001",
"postalCodeHigh": "10001"
},
{
"countryName": "UNITED STATES",
```

```
"countryCode": "US",
"stateProvince": "NY",
"city": "GREELEY SQUARE",
"town": "",
"postalCode": "10001",
"postalCodeLow": "10001",
"postalCodeHigh": "10001"
},
{
  "countryName": "UNITED STATES",
  "countryCode": "US",
  "stateProvince": "NY",
  "city": "MACYS FINANCE",
  "town": "",
  "postalCode": "10001",
  "postalCodeLow": "10001",
  "postalCodeHigh": "10001"
},
{
  "countryName": "UNITED STATES",
  "countryCode": "US",
  "stateProvince": "NY",
  "city": "MANHATTAN",
  "town": "",
  "postalCode": "10001",
  "postalCodeLow": "10001",
  "postalCodeHigh": "10001"
},
{
  "countryName": "UNITED STATES",
  "countryCode": "US",
  "stateProvince": "NY",
  "city": "NEW YORK CITY",
  "town": "",
  "postalCode": "10001",
  "postalCodeLow": "10001",
  "postalCodeHigh": "10001"
},
{
  "countryName": "UNITED STATES",
  "countryCode": "US",
```



```
"stateProvince": "NY",
"city": "NY",
"town": "",
"postalCode": "10001",
"postalCodeLow": "10001",
"postalCodeHigh": "10001"
},
{
  "countryName": "UNITED STATES",
  "countryCode": "US",
  "stateProvince": "NY",
  "city": "NY CITY",
  "town": "",
  "postalCode": "10001",
  "postalCodeLow": "10001",
  "postalCodeHigh": "10001"
},
{
  "countryName": "UNITED STATES",
  "countryCode": "US",
  "stateProvince": "NY",
  "city": "NYC",
  "town": "",
  "postalCode": "10001",
  "postalCodeLow": "10001",
  "postalCodeHigh": "10001"
}
]
```

**Example Error
Response**

```
"response": {
  "errors": [
    {
      "code": "200003",
      "message": "originCountryCode must be 2 character."
    }
  ]
}
```

Chapter 5: Time In Transit RESTful API FAQs

Category	Question	Answer
Holidays	Does the Time in Transit RESTful API account for holidays?	Yes. The Time in Transit RESTful API takes into account UPS Holidays.
LTL Freight	Does the Time in Transit RESTful API include LTL or Air Freight?	No. Time in Transit Package does not support LTL or Air Freight.
Resi/Comm Indicator	Does Time in Transit (TNT) RESTful API have residential/commercial indicator domestically or internationally?	<p>Time in Transit RESTful API allows the customer to specify whether the address is residential or commercial.</p> <p>The Time in Transit RESTful API does not validate whether the address is residential or commercial.</p> <p>Additionally, the API does not provide international residential/commercial validation.</p>
Multiple City Candidates	What should you do if you receive multiple city candidates for a postal code in your response?	If you receive multiple city candidates in a response, please choose the city name you prefer, and enter it in your request and resubmit.

Appendices

Error Codes

When the UPS system is unable to respond to a request, be it from a malformed request, an illegal or invalid value, or other issues, the API generates an error response.

HTTP Status Codes

Code	Message	Description
200	OK	Success: Everything is working
400	Bad Request	The request was invalid or cannot be served. The exact error should be explained in the error payload. E.g. The JSON is not valid"
401	Unauthorized	The request requires authentication
404	Not found	URL does not exist or resource not found
405	Method not allowed	Method not allowed
417	Expectation failed	Returned when there is an issue with the data – it passes initial validation but fails further downstream
500	An internal server error occurred	An internal server error occurred; API developers should avoid this error. If an error occurs in the global catch block, the stacktrace should be logged and not returned as response.
503	Internal Server Error	The service/resource is not available. There are external component DOWN issues that the client will not be able to resolve

Common Error Codes

Code	HTTP Status	Description
100001	400	Missing transId in the request header
100002	400	Missing transactionSrc in the request header
250002	401	Invalid Authentication Information.
250003	401	Invalid Access License number.
250050	500	License system not available.
10004	500	Service Temporarily Unavailable.

Time In Transit RESTful API Error Codes

Error Code	HTTP Status	Description
1009	417	INVALID DATE
1026	417	INVALID ORIGIN POSTAL CODE
1027	417	INVALID TNT SLIC CODE
1034	417	INVALID DEST POSTAL CODE

Error Code	HTTP Status	Description
1162	417	INVALID APP REQ VER NR
1173	417	DUPLICATE EXPORT ZIP
1175	417	DUPLICATE IMPORT ZIP
1177	417	DUPLICATE EXPORT CITY
1179	417	DUPLICATE IMPORT CITY
1305	417	MISSING ORIGIN POSTAL CODE
1312	417	MISSING DEST POSTAL CODE
1706	417	INVALID ORIG DEST PAIR
1707	417	INVALID CMWORK OPTION
1708	417	INVALID CMWORK COUNTRY CODE
4250	417	INVALID POSTAL OR ZIP CODE
4273	417	MISSING OR INVALID EXPORT ZIP CODE
4274	417	MISSING OR INVALID IMPORT ZIP CODE
4276	417	MISSING OR INVALID EXPORT CITY
4277	417	MISSING OR INVALID IMPORT CITY
4278	417	INVALID ORIGIN WEIGHT
4279	417	INVALID ORIGIN WEIGHT UNIT CD
4280	417	INVALID ORIGIN VALUE
4281	417	INVALID ORIGIN CURRENCY
4282	417	INVALID DEST WEIGHT
4283	417	INVALID DEST WEIGHT UNIT CODE
4284	417	INVALID DEST VALUE
4285	417	INVALID DEST CURRENCY
4323	417	INVALID ORIG-DEST COUNTRY PAIR
4337	417	INVALID DATE
4338	417	MISSING OR INVALID EXPORT CITY OR ZIP CODE
4339	417	MISSING OR INVALID IMPORT CITY OR ZIP CODE
4341	417	MISSING OR INVALID CURRENCY CODE
4344	417	MISSING OR INVALID WEIGHT
4344	417	MISSING OR INVALID WEIGHT UNIT
590	500	CMS transaction failed after 3 configured attempt(s)
591	500	class path resource [config/city/CITYNAME.**] cannot be opened because it does not exist

Country or Territory Codes

Time in Transit API Supported Countries or Territories

UPS country or territory code abbreviations generally follow the recommendations of the International Standards Organization (ISO), which publishes a list of country or territory abbreviations in ISO Standard 3166.

The following table lists the country or territory codes defined by ISO at the time of this publication. The latest information is available from the ISO web site: <http://www.iso.org/>.



NOTE: Not all UPS services are available in every country or territory. Refer to the [UPS Rate and Service Guide](#) at UPS.com for more information on UPS services.

Destination Country or Territory Name	Country or Territory Code
Afghanistan	AF
Aland Islands	AX
Albania	AL
Algeria	DZ
American Samoa	AS
Andorra	AD
Angola	AO
Anguilla	AI
Antigua and Barbuda	AG
Argentina	AR
Armenia	AM
Aruba	AW
Australia	AU
Austria	AT
Azerbaijan	AZ
Bahamas	BS
Bahrain	BH
Bangladesh	BD
Barbados	BB
Belarus	BY
Belgium	BE
Belize	BZ
Benin	BJ
Bermuda	BM
Bhutan	BT
Bolivia	BO

Destination Country or Territory Name	Country or Territory Code
Bonaire, St. Eustatius, Saba	BQ
Bosnia	BA
Botswana	BW
Brazil	BR
British Virgin Islands	VG
Brunei	BN
Bulgaria	BG
Burkina Faso	BF
Burundi	BI
Cambodia	KH
Cameroon	CM
Canada	CA
Canary Islands	IC
Cape Verde Island	CV
Cayman Islands	KY
Central African Republic	CF
Ceuta	XC
Chad	TD
Chile	CL
China Mainland	CN
Colombia	CO
Comoros	KM
Congo	CG
Congo, The Democratic Republic of	CD
Cook Islands	CK
Costa Rica	CR
Cote d' Ivoire (Ivory Coast)	CI
Croatia	HR
Curacao	CW
Cyprus	CY
Czech Republic	CZ
Denmark	DK
Djibouti	DJ

Destination Country or Territory Name	Country or Territory Code
Dominica	DM
Dominican Republic	DO
Ecuador	EC
Egypt	EG
El Salvador	SV
England	EN
Equatorial Guinea	GQ
Eritrea	ER
Estonia	EE
Ethiopia	ET
Faeroe Islands	FO
Fiji	FJ
Finland	FI
France	FR
French Guiana	GF
French Polynesia	PF
Gabon	GA
Gambia	GM
Georgia	GE
Germany	DE
Ghana	GH
Gibraltar	GI
Greece	GR
Greenland	GL
Grenada	GD
Guadeloupe	GP
Guam	GU
Guatemala	GT
Guernsey	GG
Guinea	GN
Guinea-Bissau	GW
Guyana	GY
Haiti	HT

Destination Country or Territory Name	Country or Territory Code
Holland	HO
Honduras	HN
Hong Kong SAR, China	HK
Hungary	HU
Iceland	IS
India	IN
Indonesia	ID
Iraq	IQ
Ireland, Republic of	IE
Israel	IL
Italy	IT
Jamaica	JM
Japan	JP
Jersey	JE
Jordan	JO
Kazakhstan	KZ
Kenya	KE
Kiribati	KI
Korea, South	KR
Kosrae	KO
Kuwait	KW
Kyrgyzstan	KG
Laos	LA
Latvia	LV
Lebanon	LB
Lesotho	LS
Liberia	LR
Libya	LY
Liechtenstein	LI
Lithuania	LT
Luxembourg	LU
Macau (Macao) SAR, China	MO
Macedonia (FYROM)	MK

Destination Country or Territory Name	Country or Territory Code
Madagascar	MG
Malawi	MW
Malaysia	MY
Maldives	MV
Mali	ML
Malta	MT
Marshall Islands	MH
Martinique	MQ
Mauritania	MR
Mauritius	MU
Mayotte	YT
Melilla	XL
Mexico	MX
Micronesia, Federated States of	FM
Moldova	MD
Monaco	MC
Mongolia	MN
Montenegro	ME
Montserrat	MS
Morocco	MA
Mozambique	MZ
Namibia	NA
Nepal	NP
Netherlands	NL
New Caledonia	NC
New Zealand	NZ
Nicaragua	NI
Niger	NE
Nigeria	NG
Norfolk Island	NF
Northern Ireland	NB
Northern Mariana Islands	MP
Norway	NO

Destination Country or Territory Name	Country or Territory Code
Oman	OM
Pakistan	PK
Palau	PW
Panama	PA
Papua New Guinea	PG
Paraguay	PY
Peru	PE
Philippines	PH
Poland	PL
Ponape	PO
Portugal	PT
Puerto Rico	PR
Qatar	QA
Reunion	RE
Romania	RO
Rota	RT
Russia	RU
Rwanda	RW
Saipan	SP
Samoa	WS
San Marino	SM
Sao Tome and Principe	ST
Saudi Arabia	SA
Scotland	SF
Senegal	SN
Serbia	RS
Seychelles	SC
Sierra Leone	SL
Singapore	SG
Slovakia	SK
Slovenia	SI
Solomon Islands	SB
South Africa	ZA

Destination Country or Territory Name	Country or Territory Code
Spain	ES
Sri Lanka	LK
St. Barthelemy	BL
St. Christopher	SW
St. John	UV
St. Kitts and Nevis	KN
St. Lucia	LC
St. Maarten and St. Martin	SX
St. Thomas	VL
St. Vincent and the Grenadines	VC
Suriname	SR
Swaziland	SZ
Sweden	SE
Switzerland	CH
Tahiti	TA
Taiwan, China	TW
Tajikistan	TJ
Tanzania	TZ
Thailand	TH
Timor Leste	TL
Tinian	TI
Togo	TG
Tonga	TO
Tortola	ZZ
Trinidad and Tobago	TT
Truk	TU
Tunisia	TN
Turkey	TR
Turkmenistan	TM
Turks and Caicos Islands	TC
Tuvalu	TV
U.S. Virgin Islands	VI
Uganda	UG

Destination Country or Territory Name	Country or Territory Code
Ukraine	UA
Union Island	UI
United Arab Emirates	AE
United Kingdom	GB
United States	US
Uruguay	UY
Uzbekistan	UZ
Vanuatu	VU
Vatican City State	VA
Venezuela	VE
Vietnam	VN
Virgin Gorda	VR
Wales	WL
Wallis and Futuna Islands	WF
Yap	YA
Yemen	YE
Zambia	ZM
Zimbabwe	ZW

Currency Codes

UPS currency code abbreviations generally follow the recommendations of the International Standards Organization (ISO), which publishes a list of currency abbreviations in ISO Standard 4217. The following table lists the currency codes defined by ISO at the time of this publication. The latest information is available from the ISO web site: <http://www.iso.org/>.

Countries or Territories may sometimes change their official currency. UPS does require time after the introduction of a new currency before it can fully support that currency. In addition, UPS may continue to support the older currency for an interim period in order to provide backwards compatibility.

UPS may also require the use of currencies other than the official currency for some countries or territories.

Country or Territory or Region	Currency Name	Currency Code
Afghanistan	Afghani	AFN
Albania	Lek	ALL
Algeria	Algerian Dinar	DZD
American Samoa	US Dollar	USD
Andorra	Euro	EUR
Angola	Kwanza	AOA
Anguilla	East Caribbean Dollar	XCD
Antigua And Barbuda	East Caribbean Dollar	XCD
Argentina	Argentine Peso	ARS
Armenia	Armenian Dram	AMD
Aruba	Aruban Guilder	AWG
Australia	Australian Dollar	AUD
Austria	Euro	EUR
Azerbaijan	Azerbaijani Manat	AZN
Bahamas	Bahamian Dollar	BSD
Bahrain	Bahraini Dinar	BHD
Bangladesh	Taka	BDT
Barbados	Barbados Dollar	BBD
Belarus	Belarussian Ruble	BYR
Belgium	Euro	EUR
Belize	Belize Dollar	BZD
Benin	CFA Franc BCEAO	XOF
Bermuda	Bermudian Dollar	BMD
Bhutan	Indian Rupee	INR
Bhutan	Ngultrum	BTN

Country or Territory or Region	Currency Name	Currency Code
Bolivia	Boliviano	BOB
Bolivia	Mvdol	BOV
Bosnia and Herzegovina	Convertible Marks	BAM
Botswana	Pula	BWP
Bouvet Island	Norwegian Krone	NOK
Brazil	Brazilian Real	BRL
British Indian Ocean Territory	US Dollar	USD
Brunei Darussalam	Brunei Dollar	BND
Bulgaria	Bulgarian Lev	BGN
Burkina Faso	CFA Franc BCEAO	XOF
Burundi	Burundi Franc	BIF
Cambodia	Riel	KHR
Cameroon	US Dollar	USD
Canada	Canadian Dollar	CAD
Cape Verde	Cape Verde Escudo	CVE
Cayman Islands	Cayman Islands Dollar	KYD
Central African Republic	CFA Franc BEAC	XAF
Chad	CFA Franc BEAC	XAF
Chile	Chilean Peso	CLP
Chile	Unidades de formento	CLF
China Mainland	Yuan Renminbi	RMB
Christmas Island	Australian Dollar	AUD
Cocos (Keeling) Islands	Australian Dollar	AUD
Colombia	Colombian Peso	COP
Colombia	Unidad de Valor Real	COU
Comoros	Comoro Franc	KMF
Congo	CFA Franc BEAC	XAF
Congo, The Democratic Republic of	Franc Congolais	CDF
Cook Islands	New Zealand Dollar	NZD
Costa Rica	Costa Rican Colon	CRC

Country or Territory or Region	Currency Name	Currency Code
Côte Divoire	CFA Franc BCEAO	XOF
Croatia	Croatian Kuna	HRK
Cuba	Cuban Peso	CUP
Cyprus	Euro	EUR
Czech Republic	Czech Koruna	CZK
Denmark	Danish Krone	DKK
Djibouti	Djibouti Franc	DJF
Dominica	East Caribbean Dollar	XCD
Dominican Republic	Dominican Peso	DOP
Ecuador	US Dollar	USD
Egypt	Egyptian Pound	EGP
El Salvador	El Salvador Colon	SVC
El Salvador	US Dollar	USD
Equatorial Guinea	CFA Franc BEAC	XAF
Eritrea	Nakfa	ERN
Estonia	Euro	EUR
Ethiopia	Ethiopian Birr	ETB
Falkland Islands (Malvinas)	Falkland Islands Pound	FKP
Faroe Islands	Danish Krone	DKK
Fiji	Fiji Dollar	FJD
Finland	Euro	EUR
France	Euro	EUR
French Guiana	Euro	EUR
French Polynesia	CFP Franc	XPF
French Southern Territories	Euro	EUR
Gabon	CFA Franc BEAC	XAF
Gambia	Dalasi	GMD
Georgia	Lari	GEL
Germany	Euro	EUR
Ghana	Cedi	GHS

Country or Territory or Region	Currency Name	Currency Code
Gibraltar	Gibraltar Pound	GIP
Greece	Euro	EUR
Greenland	Danish Krone	DKK
Grenada	East Caribbean Dollar	XCD
Guadeloupe	Euro	EUR
Guam	US Dollar	USD
Guatemala	Quetzal	GTQ
Guernsey	Pound Sterling	GBP
Guinea	Guinea Franc	GNF
Guinea-Bissau	Guinea-Bissau Peso	GWP
Guinea-Bissau	CFA Franc BCEAO	XOF
Guyana	Guyana Dollar	GYD
Haiti	Gourde	HTG
Haiti	US Dollar	USD
Heard Island and McDonald Islands	Australian Dollar	AUD
Holy See (Vatican City State)	Euro	EUR
Honduras	Lempira	HNL
Hong Kong SAR, China	Hong Kong Dollar	HKD
Hungary	Forint	HUF
Iceland	Iceland Krona	ISK
India	Indian Rupee	INR
Indonesia	Rupiah	IDR
Iran (Islamic Republic of)	Iranian Rial	IRR
Iraq	Iraqi Dinar	IQD
Ireland	Euro	EUR
Israel	New Israeli Sheqel	ILS
Italy	Euro	EUR
Jamaica	Jamaican Dollar	JMD
Japan	Yen	JPY
Jersey	Pound Sterling	GBP

Country or Territory or Region	Currency Name	Currency Code
Jordan	Jordanian Dinar	JOD
Kazakhstan	Tenge	KZT
Kenya	Kenyan Shilling	KES
Kiribati	Australian Dollar	AUD
Korea, Democratic Peoples Republic of	North Korean Won	KPW
Korea, Republic of	Won	KRW
Kuwait	Kuwaiti Dinar	KWD
Kyrgyzstan	Som	KGS
Lao Peoples Democratic Republic	Kip	LAK
Latvia	Euro	EUR
Lebanon	Lebanese Pound	LBP
Lesotho	Rand	ZAR
Lesotho	Loti	LSL
Liberia	Liberian Dollar	LRD
Libyan Arab Jamahiriya	Libyan Dinar	LYD
Liechtenstein	Swiss Franc	CHF
Lithuania	Euro	EUR
Luxembourg	Euro	EUR
Macau (Macao) SAR, China	Pataca	MOP
Macedonia, The Former Yugoslav Republic of	Denar	MKD
Madagascar	Malagascy Ariary	MGA
Malawi	Kwacha	MWK
Malaysia	Malaysian Ringgit	MYR
Maldives	Rufiyaa	MVR
Mali	CFA Franc BCEAO	XOF
Malta	Euro	EUR
Marshall Islands	US Dollar	USD
Martinique	Euro	EUR
Mauritania	Ouguiya	MRO
Mauritius	Mauritius Rupee	MUR

Country or Territory or Region	Currency Name	Currency Code
Mayotte	Euro	EUR
Mexico	Mexican Peso	MXN
Mexico	Mexican Unidad de Inversion (UID)	MXV
Micronesia (Federated States of)	US Dollar	USD
Moldova, Republic of	Moldovan Leu	MDL
Monaco	Euro	EUR
Mongolia	Tugrik	MNT
Montenegro	Euro	EUR
Montserrat	East Caribbean Dollar	XCD
Morocco	Moroccan Dirham	MAD
Mozambique	Metical	MZN
Myanmar	Kyat	MMK
Namibia	Rand	ZAR
Namibia	Namibian Dollar	NAD
Nauru	Australian Dollar	AUD
Nepal	Nepalese Rupee	NPR
Netherlands	Euro	EUR
Netherlands Antilles	Netherlands Antillian Guilder	ANG
New Caledonia	CFP Franc	XPF
New Zealand	New Zealand Dollar	NZD
Nicaragua	Cordoba Oro	NIO
Niger	CFA Franc BCEAO	XOF
Nigeria	Naira	NGN
Niue	New Zealand Dollar	NZD
Norfolk Island	Australian Dollar	AUD
Northern Mariana Islands	US Dollar	USD
Norway	Norwegian Krone	NOK
Oman	Rial Omani	OMR
Pakistan	Pakistan Rupee	PKR
Palau	US Dollar	USD

Country or Territory or Region	Currency Name	Currency Code
Panama	Balboa	PAB
Panama	US Dollar	USD
Papua New Guinea	Kina	PGK
Paraguay	Guarani	PYG
Peru	Nuevo Sol	PEN
Philippines	Philippine Peso	PHP
Pitcairn	New Zealand Dollar	NZD
Poland	Zloty	PLN
Portugal	Euro	EUR
Puerto Rico	US Dollar	USD
Qatar	Qatari Rial	QAR
Réunion	Euro	EUR
Romania	New Leu	RON
Russian Federation	Russian Ruble	RUB
Rwanda	Rwanda Franc	RWF
Saint Helena	Saint Helena Pound	SHP
Saint Kitts and Nevis	East Caribbean Dollar	XCD
Saint Lucia	East Caribbean Dollar	XCD
Saint Pierre and Miquelon	Euro	EUR
Saint Vincent and The Grenadines	East Caribbean Dollar	XCD
Samoa	Tala	WST
San Marino	Euro	EUR
São Tome and Principe	Dobra	STD
Saudi Arabia	Saudi Riyal	SAR
Senegal	CFA Franc BCEAO	XOF
Serbia	Serbian Dinar	RSD
Seychelles	Seychelles Rupee	SCR
Sierra Leone	Leone	SLL
Singapore	Singapore Dollar	SGD
Slovakia	Euro	EUR

Country or Territory or Region	Currency Name	Currency Code
Slovenia	Euro	EUR
Solomon Islands	Solomon Islands Dollar	SBD
Somalia	Somali Shilling	SOS
South Africa	Rand	ZAR
Spain	Euro	EUR
Sri Lanka	Sri Lanka Rupee	LKR
Sudan	Sudanese Dinar	SDD
Suriname	Surinam Dollar	SRD
Svalbard and Jan Mayen	Norwegian Krone	NOK
Swaziland	Lilangeni	SZL
Sweden	Swedish Krona	SEK
Switzerland	Swiss Franc	CHF
Switzerland	WIR Franc	CHW
Switzerland	WIR Euro	CHE
Syrian Arab Republic	Syrian Pound	SYF
Taiwan, China	New Taiwan Dollar	TWD
Tajikistan	Somoni	TJS
Tanzania, United Republic of	Tanzanian Shilling	TZS
Thailand	Baht	THB
Timor-Leste	US Dollar	USD
Togo	CFA Franc BCEAO	XOF
Tokelau	New Zealand Dollar	NZD
Tonga	Paanga	TOP
Trinidad And Tobago	Trinidad and Tobago Dollar	TTD
Tunisia	Tunisian Dinar	TND
Turkey	New Turkish Lira	TRY
Turkmenistan	Manat	TMM
Turks And Caicos Islands	US Dollar	USD
Tuvalu	Australian Dollar	AUD
Uganda	Uganda Shilling	UGX

Country or Territory or Region	Currency Name	Currency Code
Ukraine	Hryvnia	UAH
United Arab Emirates	UAE Dirham	AED
United Kingdom	Pound Sterling	GBP
United States	US Dollar	USD
United States Minor Outlying Islands	US Dollar	USD
Uruguay	Peso Uruguayo	UYU
Uruguay	Uruguay Peso en Unidades Indexadas	UYI
Uzbekistan	Uzbekistan Sum	UZS
Vanuatu	Vatu	VUV
Venezuela	Bolivar	VEB
Viet Nam	Dong	VND
Virgin Islands (British)	US Dollar	USD
Virgin Islands (US)	US Dollar	USD
Wallis And Futuna	CFP Franc	XPF
Western Sahara	Moroccan Dirham	MAD
Yemen	Yemeni Rial	YER
Zambia	Kwacha	ZMK
Zimbabwe	Zimbabwe Dollar	ZWD

Service Codes

UPS offers a wide variety of package delivery services. The following tables list the service code values for these services; they are ordered by the origin of the shipment.

For more information on UPS services, refer to the latest [UPS Rate and Service Guide](http://www.ups.com) available at <http://www.ups.com>.

United States

Description	Service Code
UPS 2nd Day Air	2DA
UPS 2nd Day Air (Saturday Delivery)	2DAS
UPS 2nd Day Air A.M.	2DM
UPS 3 Day Select	3DS
UPS Ground	GND
UPS Next Day Air	1DA
UPS Next Day Air (Saturday Delivery)	1DAS
UPS Next Day Air Early	1DM
UPS Next Day Air Early (Saturday Delivery)	1DMS
UPS Next Day Air Saver	1DP
Heavy Goods	HGG
Heavy Goods Delivery Installation	HGI

Other shipments originating in United States

Description	Service Code
UPS Standard	03
UPS Worldwide Expedited	05
UPS Worldwide Express	01
UPS Worldwide Express Plus	21
UPS Worldwide Saver	28

Puerto Rico

Description	Category	Service Code
UPS 2nd Day Air	Puerto Rico to United States	2DA
UPS 2nd Day Air (Saturday Delivery)	Puerto Rico to United States	2DAS
UPS 2nd Day Air A.M.	Puerto Rico to United States	2DM
UPS 3 Day Select	Puerto Rico to United States	3DS
UPS Ground	Puerto Rico to United States	GND

Description	Category	Service Code
UPS Next Day Air	Puerto Rico to United States	1DA
UPS Next Day Air (Saturday Delivery)	Puerto Rico to United States	1DAS
UPS Next Day Air Early	Puerto Rico to United States	1DM
UPS Next Day Air Early (Saturday Delivery)	Puerto Rico to United States	1DMS
UPS Next Day Air Saver	Puerto Rico to United States	1DP
UPS Next Day Air	United States to Puerto Rico	01
UPS 2 nd Day Air	United States to Puerto Rico	02
UPS Ground	United States to Puerto Rico	G
UPS 2nd Day Air Intra	Puerto Rico Domestic	01
UPS Worldwide Expedited	Other shipments originating in Puerto Rico	05
UPS Worldwide Express	Other shipments originating in Puerto Rico	01
UPS Worldwide Express Plus	Other shipments originating in Puerto Rico	21
UPS Worldwide Saver	Other shipments originating in Puerto Rico	28

Canada

Domestic shipments

Description	Service Code
UPS Expedited	19
UPS Express	24
UPS Express Early	23
UPS Express Saver	20
UPS Standard	25

Canada to the United States

Description	Service Code
UPS 3 Day Select	33
UPS Express Early	21
UPS Express Saver	28
UPS Standard	03
UPS Worldwide Expedited	05
UPS Worldwide Express	01

Other shipments originating in Canada

Description	Service Code
UPS Express Saver	28
UPS Worldwide Expedited	05
UPS Worldwide Express	01
UPS Worldwide Express Plus	21

Mexico

Description	Service Code
UPS Expedited	05
UPS Express	01
UPS Express Plus	21
UPS Express Saver	28
UPS National Express	24

Poland**Domestic shipments**

Description	Service Code
UPS Express	24
UPS Express Plus	23
UPS Express Saver	26
UPS Standard	25
UPS Today Dedicated Courier	35
UPS Today Express	37
UPS Today Express Saver	38
UPS Today Intercity	36
UPS Today Standard	34

European Union**Destination within the origin Country or Territory**

Description	Service Code
UPS Express	24
UPS Express Plus	23
UPS Express Saver	26
UPS Standard	25

Description	Service Code
UPS Express 12:00 (Germany Domestic)	42

Destination within the European Union

Description	Service Code
UPS Express	10
UPS Express Plus	22
UPS Express Saver	18
UPS Standard	08

Destination outside the European Union

Description	Service Code
UPS Expedited	05
UPS Express	01
UPS Express NA 1	11
UPS Express Saver	28
UPS Standard	68
UPS Worldwide Express Plus	21

Other Countries or Territories

Use for all countries or territories other than United States, Canada, European Union, Mexico, Poland, and Puerto Rico

Description	Service Code
UPS Express Saver	28
UPS Standard	68
UPS Worldwide Expedited	05
UPS Worldwide Express	01
UPS Worldwide Express Freight	29
UPS Worldwide Express Plus	21
UPS Worldwide Express Freight Midday	40

All

Description	Service Code
UPS Access Point Economy	39