PACKAGE AND TRANSACTION QUERIES VIA WEB SERVICE

http://ws.ups.com.tr/QueryPackageInfo/wsQueryPackagesInfo.asmx

Terms used:

Package: Single physical object, picked-up from a shipper, delivered to a consignee. A package always have a globally unique barcode label.For tracking purposes, this term may refer both to the physical object and to the barcode label.

Tracking Number: The alphanumeric string of characters on the package barcode, the label.

Shipment: One or more packages, grouped together for practical tracking, picked up from one shipper, delivered to a consignee. One of the packages are choosen (randomly) to be the "main" package. The tracking number of this "main" package is referred as ShipmentNo. The system always keeps an up-to-date list of ShipmentNo's and the tracking numbers of other packages in a Shipment. Usually, queries returning Shipment information return more than one record.

Login to Web Service System

Login_V1 : This method needs to be used prior to other methods that the service supports. A session id is returned. The other methods can only be called by using the session id. If the error code is "0"(zero) in result, the other methods of service can be used with the returned session id.

> **Necessary Parameters to call the Login_VI method :**
>
> **CustomerNumber**: (alphanumeric max. 12) The customer number of your company defined and provided by UPS system. In many cases this is also the account number of the customer.
>
> **UserName:** (alphanumeric max. 20, trailing spaces trimmed)
>
> **Password :** (alphanumeric max. 20, trailing spaces trimmed)
>
> **Result of Login_V1 method :**
>
> **SessionID : (**alphanumeric 36 strict) The other service methods can be used by using this session id.
>
> **ErrorCode :** (integer) If Login_V1 method completes with success, result is "0" (zero).

ErrorDefinition : (alphanumeric 128, trailing spaces trimmed) Ignore if ErrorCode is "0".

After a succesfull login, the system opens a session for you. Timeout for each session is 5 minutes (300 seconds). If any method of the service isn't called, your session will expire. If any method is called again in five minutes after opening session, the sessions extends to 5 minutes again. Every query resets the session timeout counter.

PACKAGE INFORMATION AND TRANSACTION INFORMATION METHODS

Parameters Common to all Methods:

SessionID: (alphanumeric, 36 strict) Obtained through Login_V1 method, must be used in every call to service methods.

InformationLevel: (integer) This parameter determines the amount of information returned by the method. Unless specified, it is always "1" for this service Level.

Additional Parameters:

TrackingNumber : (alphanumeric, max. 20, trailing spaces trimmed) The tracking number of the package.

Referance : (alphanumeric, max. 40, trailing spaces trimmed) Free-style code provided by Shipper.

StartDate : (alphanumeric, 8 strict) Start date for methods quering for periods. Date format is "YYYYMMDD".

EndDate : (alphanumeric, 8 strict) End date for methods quering for periods. Date format is "YYYYMMDD". This parameter is inclusive. All information is included up until 23:59:59 of this date.

RecordId : (integer) Id of a record in the transaction data.

ReferanceType :

```
<referanceType>
      WAYBILL_TYPE or CUSTOMERREFERANS_TYPE
</referanceType>
<referanceList>
      <string>string</string>
    <string>string</string>
</referanceList>
```

TransactionType :

<TransactionType>
      LAST_TRANSACTIONS or
      ALL_TRANSACTIONS or
      DELIVERY_TRANSACTIONS
</TransactionType>

Result Fields Common to all Methods:

InformationLevel: (integer) Returns the information level of the method result.

ErrorCode: (integer) Gives the error code occured while the method called. If the process completed successfuly, the error code result is "0".

ErrorDefinition: (alphanumeric, 128, trailing spaces trimmed) Gives the definition of error occured, if any, while the method is executed. Ignore if ErrorCode is "0"

Service Methods:

PackageInfo Methods:

GetPackageInfoByTrackingNumber_V1 : This method is used to query package information by tracking number.

Parameters: SessionID, InformationLevel, TrackingNumber

GetShipmentInfoByTrackingNumber_V1 : This method is used to query package information for all tracking numbers in a shipment. Any tracking number in a shipment can be sent as a parameter.

Parameters: SessionID, InformationLevel, TrackingNumber

GetPackageInfoByReferance_V1 : This method is used to query package information for all tracking numbers related to reference code provided by shipper.

Parameters: SessionID, InformationLevel, ReferenceNumber

GetPackageInfoByDatePeriod_V1 : This method is used to query all of the packages information, under an account number, in a given date period. As SessionId obtained through Login is specific to a customer account number, account number is not needed as a parameter.

Parameters: SessionID, InformationLevel, Startdate, EndDate

TransactionInfo Methods:

GetTransactionsByTrackingNumber_V1 : This method return all transactions for a tracking number.

Parameters: SessionID, InformationLevel, TrackingNumber

GetLastTransactionByTrackingNumber_V1 : This method return only the last transaction for a tracking number

Parameters: SessionID, InformationLevel, TrackingNumber

GetUnreadTransactionsByTrackingNumber_V1 : This method return all transactions with RecordIds greater than the RecordId supplied as a parameter. RecordIds are returned as part of transaction information.

Parameters: SessionID, InformationLevel, TrackingNumber, RecordId

Transactions with Delivery Details Methods:

GetTransactionsByList_V1 : This method returns requested transactions by provided list. List can be customer referance number and tracking number. Referance type must be set. Results can be set as last transaction, all transaction and delivery transaction.

Parameters: SessionID, InformationLevel, ReferanceList, TransactionType

GetTransactionsByPackagePickupDate_V1 : This method is used to query all of the packages transactions, under an account number, in a given date period. Results can be set as last transaction, all transaction and delivery transaction.

Parameters: SessionID, InformationLevel, StartDate, EndDate, TransactionType

TiNT Methods :

GetTiNTInformationByTrackingNumber_V1 : This method used to query time in transit information for a package. Pickup date also included in dataset.

Parameters: SessionID, InformationLevel, TrackingNumber

RESULT DESCRIPTION OF

PACKAGE INFORMATION QUERY METHODS

TrackingNumber : (alphanumeric max 20, trailing spaces trimmed)

UPSReferance: (alphanumeric max 20, trailing spaces trimmed) Created by UPS system while the package recorded in the system.

ShipperAccountNumber : (alphanumeric max 12, trailing spaces trimmed)

ShipperName : (alphanumeric max 40, trailing spaces trimmed) If the shipper is a company, this is the title.

ShipperContactName : (alphanumeric max 40, trailing spaces trimmed)

ShipperPhoneNumber : (alphanumeric max 16, trailing spaces trimmed)

ShipperPhoneExtension : (alphanumeric max 4, trailing spaces trimmed)

ShipperMobilePhoneNumber : (alphanumeric max 16, trailing spaces trimmed)

ShipperAddress : (alphanumeric max 255, trailing spaces trimmed)

ShipperEMail : (alphanumeric max 64, trailing spaces trimmed)

ShipperAreaCode : (integer) Part of the address. Defined by UPS.

ShipperAreaName : (alphanumeric max 40, trailing spaces trimmed) Part of the address. Textual rep. of AreaCode.

ShipperCityCode : (integer) Part of the address. Defined by UPS. Official number for cities in Turkey. 0 for other countries.

ShipperCityName : (alphanumeric max 40, trailing spaces trimmed) Part of the address. Textual rep. of CityCode.

ShipperPostalCode : (alphanumeric max 10, trailing spaces trimmed)

ShipperCountry : (alphanumeric max 40, trailing spaces trimmed)

ShipperExpenseCode : (alphanumeric max 12, trailing spaces trimmed) **E**expense code provided by shipper. Used in reporting to further classify packages (usually for cost measurement).

ConsigneeAccountNumber : (alphanumeric max 12, trailing spaces trimmed)

ConsigneeName : (alphanumeric max 40, trailing spaces trimmed)

ConsigneeContactName : (alphanumeric max 40, trailing spaces trimmed)

ConsigneePhoneNumber : (alphanumeric max 16, trailing spaces trimmed)

ConsigneePhoneExtension : (alphanumeric max 4, trailing spaces trimmed)

ConsigneeMobilePhoneNumber : (alphanumeric max 16, trailing spaces trimmed)

ConsigneeAddress : (alphanumeric max 255, trailing spaces trimmed)

ConsigneeEMail : (alphanumeric max 64, trailing spaces trimmed)

ConsigneeAreaCode : (integer)

ConsigneeAreaName : (alphanumeric max 40, trailing spaces trimmed)

ConsigneeCityCode : (integer)

ConsigneeCityName : (alphanumeric max 40, trailing spaces trimmed)

ConsigneePostalCode : (alphanumeric max 10, trailing spaces trimmed)

ConsigneeCountry : (alphanumeric max 40, trailing spaces trimmed)

ConsigneeExpenseCode : (alphanumeric max 12, trailing spaces trimmed)

ThirdPartyAccountNumber : (alphanumeric max 12, trailing spaces trimmed) If the freight is paid by a third party this is the UPS customer account number.

ThirdPartyExpenseCode : (alphanumeric max 12, trailing spaces trimmed)

ServiceLevel : (alphanumeric max 24, trailing spaces trimmed)

PackageType : (alphanumeric max 24, trailing spaces trimmed)

ShipmentType : (alphanumeric max 48, trailing spaces trimmed)

NumberOfPackages : (integer)

DescriptionOfGoods : (alphanumeric max 128, trailing spaces trimmed)

ActualWeight : (decimal) Physical weight in kg.

VolumeWeight : (decimal) Volumetric weight in kg.

Dimension1 : (integer) Physical dimension in cm.

Dimension2 : (integer) Physical dimension in cm.

Dimension3 : (integer) Physical dimension in cm.

PaymentType : (alphanumeric max 24, trailing spaces trimmed)

CustomerReference : (alphanumeric max 40, trailing spaces trimmed) Reference supplied by customer. May be unique to each package. May be common to a group of packages or shipments.

CustomerInvoiceNumber : (alphanumeric max 20, trailing spaces trimmed) This invoice number is provided by customer. Usually it's the invoice number of the goods in shipment.

ShipmentNo : (alphanumeric max 20, trailing spaces trimmed) Tracking number of the "main" package, if this package is part of a shipment. May be blank or equal to the tracking number in single package shipments.

InsuranceValue : (decimal) Declared by customer.

InsuranceValueCurrency : (alphanumeric max 4, trailing spaces trimmed) Currect code for insurance value. (USD, EUR, TL etc)

ValueOfGoods : (decimal) Declared by customer.

ValueOfGoodsCurrency : (alphanumeric max 4, trailing spaces trimmed)

Freight : (decimal) Freight calculated by UPS. May change in time (even after delivery) until invoicing.

FreightCurrency : (alphanumeric max 4, trailing spaces trimmed)

DeliveryNotificationEMail : (alphanumeric max 64, trailing spaces trimmed)

IDControlFlag : (integer) "1" if shipper requests a delivery with identification confirmation, "0" otherwise.

PhonePrealertFlag : (integer) "1" if shipper requests the consignee to be alerted by phone before delivery, "0" otherwise.

DeliveryByAppointmentFlag : "1" if shipper requests an appointment be made with consignee before delivery, "0" otherwise.

AppointmentBeginningTime : (alphanumeric 6 strict) Time in HHMMSS.

AppointmentEndingTime : (alphanumeric 6 strict)

InvoiceLabelFlag : (integer) "1" if there is an additional shipment for the paper invoice for the good in this shipment, "0" otherwise.

ReturnServiceFlag : (integer) "1" if there exists a return package for this package, "0" otherwise.

ReturnServiceTrackingNumber: (alphanumeric max 20, trailing spaces trimmed) Tracking number of the return package for this package, valid if previous flag is "1".

ReturnFlag : (integer) "1" if this package is the return package of another package, "0" otherwise.

ReturnServiceShipmentNumber : (alphanumeric max 20, trailing spaces trimmed) Tracking number of the package, this package is the return package for, valid if previous flag is "1".

CreationTimeStamp : (alphanumeric max 15, strict) "YYYYMMDD-HHMMSS" Date time stamp this information is created.

InformationLevel: (integer)

ErrorCode: (integer) "0" is no errors.

ErrorDefinition: (alphanumeric max 128, trailing spaces trimmed)

RESULT DESCRIPTION OF

TRANSACTIONS QUERY METHODS

TrackingNumber : (alphanumeric max 20, trailing spaces trimmed)

ProcessTimeStamp : (alphanumeric 15 strict) Datetime for this "event" YYYYMMDD-HHMMSS.

OperationBranchName : (alphanumeric max 48, trailing spaces trimmed) Physical location of this "event"

StatusCode : (integer) Status code for this event. A status code of 3 means an exception has occured. Details are indicated in exception code.

ExceptionCode : (alphanumeric 2 strict) Gives the exception code for this "event". Ignore if StatusCode is not 3.

ProcessDescription1 : (alphanumeric max 64, trailing spaces trimmed) Textual description for this event.

ProcessDescription2 : (alphanumeric max 64, trailing spaces trimmed) Textual description for this event.

RecordNumber : (integer)

InformationLevel : (integer)

ErrorCode : (integer)

ErrorDefinition: (alphanumeric max 128, trailing spaces trimmed)

RESULT DESCRIPTION OF

TRANSACTIONS WITH DELIVERY DETAIL QUERY METHODS

TrackingNumber : (alphanumeric max 20, trailing spaces trimmed)

CustomerReferanceNumber : (alphanumeric max 40, trailing spaces trimmed)

ProcessTimeStamp : (alphanumeric 15 strict) Datetime for this "event" YYYYMMDD-HHMMSS.

OperationBranchName : (alphanumeric max 48, trailing spaces trimmed) Physical location of this "event"

StatusCode : (integer) Status code for this event. A status code of 3 means an exception has occured. Details are indicated in exception code.

ExceptionCode : (alphanumeric 2 strict) Gives the exception code for this "event". Ignore if StatusCode is not 3.

ProcessDescription1 : (alphanumeric max 64, trailing spaces trimmed) Textual description for this event.

ProcessDescription2 : (alphanumeric max 64, trailing spaces trimmed) Textual description for this event.

SignedPersonName : (alphanumeric max 24, trailing spaces trimmed)

SignedPersonSurname : (alphanumeric max 24, trailing spaces trimmed)

SignedPersonPhoneNumber : (alphanumeric max 16, trailing spaces trimmed)

SignedPersonRelation : (alphanumeric max 20, trailing spaces trimmed)

RecordNumber : (integer)

InformationLevel : (integer)

ErrorCode : (integer)

ErrorDefinition: (alphanumeric max 128, trailing spaces trimmed)

RESULT DESCRIPTION OF

TiNT QUERY METHODS

TrackingNumber : (alphanumeric max 20, trailing spaces trimmed)

TiNTDate : (alphanumeric 8 strict) Datetime for TiNT "event" YYYYMMDD

TiNTStartTime : (alphanumeric 6 strict) Start time HHMMSS.

TiNTEndTime : (alphanumeric 6 strict) End time HHMMSS.

PickupDate : (alphanumeric 8 strict) Pickup date"event" YYYYMMDD

InformationLevel : (integer)

ErrorCode : (integer)

ErrorDefinition: (alphanumeric max 128, trailing spaces trimmed)