Universal Traffic Service

Tracking Web Service Documentation

Purpose

The purpose of this web service is to allow clients the ability to track shipments in real time as UTS receives updates on them. Aside from the web key, all of the request parameters act as search filters, so more than one can be employed. To ensure that the system isn't overly stressed by broad search parameters, the maximum return count is 100 shipments.

Request

The request must be enclosed in a valid SOAP header. An example can be seen below:

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetTrackingInformation xmlns="http://services.myuts.net/">
      <TrackingRequest>
        <WebKey>string</WebKey>
        <OrderID>string</OrderID>
        <BOLNumber>string</BOLNumber>
        <PONumber>string</PONumber>
        <PRONumber>string</PRONumber>
        <CarrierID>int</CarrierID>
        <CustRefNumber>string</CustRefNumber>
        <PickupStartDate>dateTime</PickupStartDate>
        <PickupEndDate>dateTime</PickupEndDate>
        <DeliveryStartDate>dateTime</DeliveryStartDate>
        <DeliveryEndDate>dateTime</DeliveryEndDate>
        <OriginZip>string</OriginZip>
        <DestinationZip>string</DestinationZip>
      </TrackingRequest>
    </GetTrackingInformation>
  </soap:Body>
</soap:Envelope>
```

Request Header Content

HTTP Method: POST
URL: http://services.myuts.net/Tracking.asmx
SOAP Method: GetTrackingInformation
WSDL: http://services.myuts.net/Tracking.asmx?WSDL

Request Body Content

Parameter (length)	Type	Required	Description
TrackingRequest	N/A	Yes	This is the request's root node.

Parameter (length)	Type	Required	Description
TrackingRequest: WebKey	String	Yes	This is a GUID access key provided by UTS which authorizes use of the web shipment service. One key will be assigned per shipping location.
TrackingRequest: OrderID	String	No	This is a unique identifier that UTS has applied to the shipment. If no shipment is found with this ID, the web service will consider your other tracking request filters when returning tracking information.
TrackingRequest: BOLNumber	String	No	If this filter is assigned, the web service will only return tracking information on shipments with a bill of lading number equal to the value in this filter. It is recommended that the OriginZip and DestinationZip be used with the BOLNumber filter to ensure accuracy. This can be used with other tracking request filters.
TrackingRequest: PONumber	String	No	If this filter is assigned, the web service will only return tracking information on shipments with a purchase order number for the shipment equal to the value in this filter. This can be used with other tracking request filters.
TrackingRequest: PRONumber	String	No	If this filter is assigned, the web service will only return tracking information on shipments with a proof of delivery number equal to the value in this filter. It is recommended that the SCAC filter is used with the PRONumber filter to ensure accuracy. This can be used with other tracking request filters.
TrackingRequest: CarrierID	String	No	If this filter is assigned, the web service will only return tracking information on shipments with a UTS-specific, carrier-unique identifier on the shipment equal to the value in this filter.
TrackingRequest: CustRefNumber	String	No	If this filter is assigned, the web service will only return tracking information on shipments with a client-specified identification number equal to the value in this filter.
TrackingRequest: PickupStartDate	DateTime	No	If this filter is assigned, the web service will only return tracking information on shipments with an actual pickup date (if the shipment has been picked up), or estimated pickup date that is after or equal to the date in this filter.
TrackingRequest: PickupEndDate	DateTime	No	If this filter is assigned, the web service will only return tracking information on shipments with an actual pickup date (if the shipment has been picked up), or estimated pickup date that is before or equal to the date in this filter.
TrackingRequest: DeliveryStartDate	DateTime	No	If this filter is assigned, the web service will only return tracking information on shipments with an actual delivery date (if the shipment has been delivered), or estimated delivery date that is after or equal to the date in this filter.

Parameter (length)	Type	Required	Description
TrackingRequest: DeliveryEndDate	DateTime	No	If this filter is assigned, the web service will only return tracking information on shipments with an actual delivery date (if the shipment has been delivered), or estimated delivery date that is before or equal to the date in this filter.
TrackingRequest: OriginZip	String	No	If this filter is assigned, the web service will only return tracking information on shipments with an origin (shipper) zip code equal to the zip code in this filter.
TrackingRequest: DestinationZip	String	No	If this filter is assigned, the web service will only return tracking information on shipments with a destination (consignee) zip code equal to the zip code in this filter.

Request Body Structure

```xml
<TrackingRequest>
  <WebKey>string</WebKey>
  <OrderID>string</OrderID>
  <BOLNumber>string</BOLNumber>
  <PONumber>string</PONumber>
  <PRONumber>string</PRONumber>
  <SCAC>string</SCAC>
  <CustRefNumber>string</CustRefNumber>
  <PickupStartDate>dateTime</PickupStartDate>
  <PickupEndDate>dateTime</PickupEndDate>
  <DeliveryStartDate>dateTime</DeliveryStartDate>
  <DeliveryEndDate>dateTime</DeliveryEndDate>
  <OriginZip>string</OriginZip>
  <DestinationZip>string</DestinationZip>
</TrackingRequest>
```

Response

Response Body Content

Parameter (length)	Type	Description
TrackingResponse	N/A	This is the response's root node. This node contains all of the individual shipment tracking information nodes. Each individual shipment is represented by a TrackingInformation node
TrackingResponse: TrackingInformation	N/A	This node contains tracking information for an individual shipment.
TrackingInformation: ResponseCode	Integer	0 (zero) represents that the shipment was entered successfully. 1 represents that an error occurred.
TrackingInformation: ResponseMessage	String	This will return a success message when a response code of 0 is returned. Otherwise, this will contain a failure message.
TrackingInformation: Status	String	This is the current status code of the shipment. Options:<table><tr><td>Code</td><td>Description</td></tr><tr><td>NEW</td><td>New shipment</td></tr></table>

Parameter (length)	Type	Description	
		PENDING	Pending shipment
		ASIGN	Assigned to a carrier
		APPT	Appointment
		ARVD	Arrived
		ENRT	Enroute
		OFT	Out for delivery
		DLVD	Delivered
TrackingInformation: OrderID	String	This is a unique identifier that UTS has applied to the shipment.	
TrackingInformation: CustRefNumber	String	This is a client-specified identification number.	
TrackingInformation: BOLNumber	String	This is the bill of lading number for the shipment.	
TrackingInformation: PRONumber	String	This is the proof of delivery number assigned by the carrier for the shipment.	
TrackingInformation: PONumber	String	This is the purchase order number for the shipment.	
TrackingInformation: InvoiceID	String	This is the unique identification number that UTS has applied to the invoice of this shipment.	
TrackingInformation: EnteredOn	DateTime	This is the date that the shipment was created on.	
TrackingInformation: PickupDate	DateTime	If the shipment has been picked up, this is the actual pickup date of the shipment. If it has not been picked up, this is the estimated pickup date of the shipment.	
TrackingInformation: DeliveryDate	DateTime	If the shipment has been delivered, this is the actual delivery date of the shipment. If it has not been delivered, this is the estimated delivery date of the shipment.	
TrackingInformation: Shipper	N/A	This node contains information about the shipper (the origin) of the shipment.	
Shipper: Name	String	This is the name of the shipper on the shipment.	
Shipper: Address	String	This is the street address of the shipper on the shipment.	
Shipper: City	String	This is the city of the shipper on the shipment.	
Shipper: State	String	This is the two letter abbreviation of the state/province of the shipper on the shipment.	
Shipper: Zip	String	This is the zip/postal code of the shipper on the shipment.	
Shipper: Country	String	This is the country of the shipper on the shipment.	
TrackingInformation: Consignee	String	This node contains information about the consignee (the destination) of the shipment.	
Consignee: Name	String	This is the name of the consignee on the shipment.	
Consignee: Address	String	This is the street address of the consignee on the shipment.	
Consignee: City	String	This is the city of the consignee on the shipment.	

Parameter (length)	Type	Description
Consignee: State	String	This is the two letter abbreviation of the state/province of the consignee on the shipment.
Consignee: Zip	String	This is the zip/postal code of the consignee on the shipment.
Consignee: Country	String	This is the country of the consignee on the shipment.
TrackingInformation: Client	N/A	This node contains information about the client of the shipment.
Client: Name	String	This is the name of the client on the shipment.
Client: Address	String	This is the street address of the client on the shipment.
Client: City	String	This is the city of the client on the shipment.
Client: State	String	This is the two letter abbreviation of the state/province of the client on the shipment.
Client: Zip	String	This is the zip/postal code of the client on the shipment.
Client: Country	String	This is the country of the client on the shipment.
TrackingInformation: Carrier	N/A	This node contains information about the carrier of the shipment.
Carrier: Name	String	This is the name of the carrier on the shipment.
Carrier: CarrierID	String	This is the UTS-specific, carrier-unique identifier of the carrier that is on the shipment.
TrackingInformation: TotalWeight	Double	This is the total weight of the line items on the shipment.
TrackingInformation: LineItems	N/A	This node contains all of the individual line items that were applied to the shipment. Each individual line item is represented by a LineItem node.
LineItems: LineItem	N/A	This node contains information about a single line item applied to the shipment.
LineItem: Pieces	Integer	The number of pieces, or quantity of the line item.
LineItem: Weight	Double	The weight of the line item in imperial pounds.
LineItem: Class	Double	The freight class of the line item. Options: 50, 55, 60, 65, 70, 77.5, 85, 92.5, 100, 110, 125, 150, 175, 200, 250, 300, 400, 500
LineItem: PackageType	String	The type of packaging for the line item.
	Package Type Options		
	1: Bag / Sack	2: Basket	3: Blanket Wrap
	4: Box	5: Bulk	6: Bundle
	7: Drum	8: Crate / Rack	9: Hopper
	10: Loose	11: Reel / Roll	**12: Skid / Pallet**
	13: Tote	15: Spindle	16: Keg
	17: Tank	18: Cylinder	19: Carton
	20: Tube	21: Pail	
LineItem: NMFC	String	The National Motor Freight Classification number.

Parameter (length)	Type	Description
LineItem: UNNA	String	The United Nations/North American number.
LineItem: Length	Double	The length dimension of the line item in imperial inches.
LineItem: Width	Double	The width dimension of the line item in imperial inches.
LineItem: Height	Double	The height dimension of the line item in imperial inches.
LineItem: IsStackable	Boolean	If true, this line item can be stacked.
LineItem: IsHazmat	Boolean	If true, this line item is marked as a hazardous material.
LineItem: Description	String	The description of the line item, and what it contains.
TrackingInformation: CurrentNote	N/A	This is the latest tracking note (the note most recently added) on the shipment.
CurrentNote: Note	String	This is the value of the current tracking note.
CurrentNote: Date	DateTime	This is the date that the note was added to the shipment.
TrackingInformation: TrackingNotes	N/A	This node contains all of the individual tracking notes that were applied to the shipment. Each individual tracking note is represented by a TrackingNote node.
TrackingNotes: TrackingNote	N/A	This node contains note information for an individual tracking note.
TrackingNote: Note	String	This is the value of the tracking note.
TrackingNote: Date	DateTime	This is the date that the note was added to the shipment.
TrackingInformation: PaymentType	String	This is the payment type for the shipment. Options: 3rd Party, Collect, Prepaid, Prepaid/Add
TrackingInformation: ProgramType	String	This is the type of pricing that was used on the shipment. Program reflects pricing help by UTS, and Non-Program is pricing held directly by the requesting party.
TrackingInformation: TransitDays	Integer	This is the estimated number of days necessary to deliver the freight.
TrackingInformation: Type	String	This is the type of shipment. Options: LTL, TL, Volume, Air, Boat
TrackingInformation: VehicleType	String	This is the type of vehicle that is/was used on the shipment. Options: CargoVan, CubeVan, CurtainSide, Drayage, Flatbed, Intermodal, Reefer, StepDeck, Straight, Tanker, Van, HeatedTrailer, DropFrameVan, 3PlusAxleTrailer, BTrain, DoubleDrop, Sidekit, RemoveGooseneck, MiniVan, TankerFoodGrade, Tractor
TrackingInformation: AETC	String	This is the shipment's authorized excess transportation cost number.
TrackingInformation: BOLNotes	String	Notes that are printed on the bill of lading.
TrackingInformation: TrackingUrl	String	A URL link that provides this information in a web page.
TrackingInformation: ResponseMessage	String	Displays success and error information.

Response Body Structure

```xml
<TrackingResponse>
  <TrackingInformation>
    <ResponseCode>int</ResponseCode>
    <ResponseMessage>string</ResponseMessage>
    <Status>string</Status>
    <OrderID>string</OrderID>
    <CustRefNumber>string</CustRefNumber>
    <BOLNumber>string</BOLNumber>
    <PRONumber>string</PRONumber>
    <PONumber>string</PONumber>
    <InvoiceID>string</InvoiceID>
    <EnteredOn>dateTime</EnteredOn>
    <PickupDate>dateTime</PickupDate>
    <DeliveryDate>dateTime</DeliveryDate>
    <Shipper>
      <Name>string</Name>
      <Address>string</Address>
      <City>string</City>
      <State>string</State>
      <Zip>string</Zip>
      <Country>string</Country>
    </Shipper>
    <Consignee>
      <Name>string</Name>
      <Address>string</Address>
      <City>string</City>
      <State>string</State>
      <Zip>string</Zip>
      <Country>string</Country>
    </Consignee>
    <Client>
      <Name>string</Name>
      <Address>string</Address>
      <City>string</City>
      <State>string</State>
      <Zip>string</Zip>
      <Country>string</Country>
    </Client>
    <Carrier>
      <Name>string</Name>
      <SCAC>string</SCAC>
    </Carrier>
    <TotalWeight>double</TotalWeight>
    <LineItems>
      <LineItem>
        <Pieces>int</Pieces>
        <Weight>double</Weight>
        <Class>double</Class>
        <PackageType>string</PackageType>
        <NMFC>string</NMFC>
        <UNNA>string</UNNA>
        <Length>double</Length>
        <Width>double</Width>
        <Height>double</Height>
        <IsStackable>boolean</IsStackable>
```

```xml
            <IsHazmat>boolean</IsHazmat>
            <Description>string</Description>
          </LineItem>
          <LineItem>
            <Pieces>int</Pieces>
            <Weight>double</Weight>
            <Class>double</Class>
            <PackageType>string</PackageType>
            <NMFC>string</NMFC>
            <UNNA>string</UNNA>
            <Length>double</Length>
            <Width>double</Width>
            <Height>double</Height>
            <IsStackable>boolean</IsStackable>
            <IsHazmat>boolean</IsHazmat>
            <Description>string</Description>
          </LineItem>
        </LineItems>
        <CurrentNote>
          <Note>string</Note>
          <Date>dateTime</Date>
        </CurrentNote>
        <TrackingNotes>
          <TrackingNote>
            <Note>string</Note>
            <Date>dateTime</Date>
          </TrackingNote>
          <TrackingNote>
            <Note>string</Note>
            <Date>dateTime</Date>
          </TrackingNote>
        </TrackingNotes>
        <PaymentType>string</PaymentType>
        <ProgramType>string</ProgramType>
        <TransitTime>int</TransitTime>
        <Type>string</Type>
        <VehicleType>string</VehicleType>
        <AETC>string</AETC>
        <BOLNotes>string</BOLNotes>
        <TrackingUrl>string</TrackingUrl>
      </TrackingInformation>
      <TrackingInformation>
        <ResponseCode>int</ResponseCode>
        <ResponseMessage>string</ResponseMessage>
        <Status>string</Status>
        <OrderID>string</OrderID>
        <CustRefNumber>string</CustRefNumber>
        <BOLNumber>string</BOLNumber>
        <PRONumber>string</PRONumber>
        <PONumber>string</PONumber>
        <InvoiceID>string</InvoiceID>
        <EnteredOn>dateTime</EnteredOn>
        <PickupDate>dateTime</PickupDate>
        <DeliveryDate>dateTime</DeliveryDate>
        <Shipper>
          <Name>string</Name>
```

```xml
      <Address>string</Address>
      <City>string</City>
      <State>string</State>
      <Zip>string</Zip>
      <Country>string</Country>
  </Shipper>
  <Consignee>
      <Name>string</Name>
      <Address>string</Address>
      <City>string</City>
      <State>string</State>
      <Zip>string</Zip>
      <Country>string</Country>
  </Consignee>
  <Client>
      <Name>string</Name>
      <Address>string</Address>
      <City>string</City>
      <State>string</State>
      <Zip>string</Zip>
      <Country>string</Country>
  </Client>
  <Carrier>
      <Name>string</Name>
      <CarrierID>int</CarrierID>
  </Carrier>
  <TotalWeight>double</TotalWeight>
  <LineItems>
      <LineItem>
        <Pieces>int</Pieces>
        <Weight>double</Weight>
        <Class>double</Class>
        <PackageType>string</PackageType>
        <NMFC>string</NMFC>
        <UNNA>string</UNNA>
        <Length>double</Length>
        <Width>double</Width>
        <Height>double</Height>
        <IsStackable>boolean</IsStackable>
        <IsHazmat>boolean</IsHazmat>
        <Description>string</Description>
      </LineItem>
      <LineItem>
        <Pieces>int</Pieces>
        <Weight>double</Weight>
        <Class>double</Class>
        <PackageType>string</PackageType>
        <NMFC>string</NMFC>
        <UNNA>string</UNNA>
        <Length>double</Length>
        <Width>double</Width>
        <Height>double</Height>
        <IsStackable>boolean</IsStackable>
        <IsHazmat>boolean</IsHazmat>
        <Description>string</Description>
      </LineItem>
```

```xml
      </LineItems>
      <CurrentNote>
        <Note>string</Note>
        <Date>dateTime</Date>
      </CurrentNote>
      <TrackingNotes>
        <TrackingNote>
          <Note>string</Note>
          <Date>dateTime</Date>
        </TrackingNote>
        <TrackingNote>
          <Note>string</Note>
          <Date>dateTime</Date>
        </TrackingNote>
      </TrackingNotes>
      <PaymentType>string</PaymentType>
      <ProgramType>string</ProgramType>
      <TransitTime>int</TransitTime>
      <Type>string</Type>
      <VehicleType>string</VehicleType>
      <AETC>string</AETC>
      <BOLNotes>string</BOLNotes>
      <TrackingUrl>string</TrackingUrl>
    </TrackingInformation>
    <ResponseMessage>string</ResponseMessage>
  </TrackingResponse>
```