

Universal Traffic Service

Rate Estimate Web Service Documentation

Purpose

The purpose of this web service is to allow clients to obtain rate estimates from Universal Traffic Service. They can then use the RateQuoteID returned from estimates in this web service with the Shipment Entry web service.

Request

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

```
<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>
    <GetRateEstimate xmlns="http://services.myuts.net/">
      <rateEstimateRequest>xml</rateEstimateRequest>
    </GetRateEstimate>
  </soap:Body>
</soap:Envelope>
```

Request Header Content

HTTP Method: POST

URL: <http://services.myuts.net/rateestimateservice.asmx>

SOAP Method: GetRateEstimate

WSDL: <http://services.myuts.net/rateestimateservice.asmx?WSDL>

Request Body Content

| Parameter (length) | Type | Required | Description |
|--------------------------|--------|----------|---|
| UTS | N/A | Yes | This is the request's root node. |
| UTS: WebKey | String | Yes | This is a GUID access key provided by UTS which authorizes use of the rate estimate service. |
| UTS: OriginZip (12) | String | Yes | This is the zip code of the estimate's origin. |
| UTS: DestinationZip (12) | String | Yes | This is the zip code of the estimate's destination. |
| UTS: Weight | String | Yes | This is the weight of the line items. This string can be comma delimited to accommodate the weights of multiple line items. Note: The number of comma delimited weight values must be equal to the number of comma delimited class values. |

| Parameter (length) | Type | Required | Description |
|---------------------|---------|----------|--|
| UTS: Class | String | Yes | This is the freight class of the line items. This string can be comma delimited to accommodate the freight classes of multiple line items. Note: The number of comma delimited class values must be equal to the number of comma delimited weight values. Options: 50, 55, 60, 65, 70, 77.5, 85, 92.5, 100, 110, 125, 150, 175, 200, 250, 300, 400, 500 |
| UTS: ShipmentLength | Integer | Yes | This is the total length of the shipment in imperial feet. This defines the number of feet of a trailer the freight will occupy. |
| UTS: IsStackable | Boolean | Yes | (true/false) If true, line items can be stacked. |
| UTS: IsHazmat | Boolean | Yes | (true/false) If true, line items are marked as a hazardous material. |
| UTS: IsTest | Boolean | Yes | (true/false) If true, you will still receive a response but your rate estimate will not be saved for later use. |

Request Body Structure

```

<UTS>
  <WebKey>String</WebKey>
  <OriginZip>String</OriginZip>
  <DestinationZip>String</DestinationZip>
  <Weight>String </Weight>
  <Class>String</Class>
  <ShipmentLength>Int</ShipmentLength>
  <IsStackable>Boolean</IsStackable>
  <IsHazmat>Boolean</IsHazmat>
  <IsTest>String</IsTest>
</UTS>

```

Response

Response Body Content

| Parameter (length) | Type | Description |
|-------------------------------|--------|---|
| RateEstimate | N/A | This is the response's root node. |
| RateEstimate: ResponseMessage | String | This will return a success or error message. |
| RateEstimate: RateQuoteID | String | This is a unique identifier that UTS has applied to the rate estimate. This identifier can be used to assign this rate estimate to a shipment being entered on myUTS or the Shipment Entry web service. |
| RateEstimate: Origin | N/A | This node contains information about the rate estimate's origin location. |

| Parameter (length) | Type | Description |
|---------------------------|---------|--|
| Origin: Name | String | This is the name of the origin location. |
| Origin: Address | N/A | This node contains information about the rate estimate origin location's address. |
| Address: Address | String | This is the street address of the origin location. |
| Address: City | String | This is the city of the origin location. |
| Address: State | String | This is the state/province of the origin location. |
| Address: Zip | String | This is the zip/postal code of the origin location. |
| Address: Country | String | This is the country of the origin location. |
| RateEstimate: Destination | N/A | This node contains information about the rate estimate's destination location. |
| Destination: Name | String | This is the name of the origin location. |
| Destination: Address | N/A | This node contains information about the rate estimate destination location's address. |
| Address: Address | String | This is the street address of the destination location. |
| Address: City | String | This is the city of the destination location. |
| Address: State | String | This is the state/province of the destination location. |
| Address: Zip | String | This is the zip/postal code of the destination location. |
| Address: Country | String | This is the country of the destination location. |
| RateEstimate: CarrierName | String | This is the name of the carrier that was used to calculate the rate of the estimate. |
| RateEstimate: CarrierID | Integer | This is a UTS-specific, unique identifier for the carrier. |
| RateEstimate: TransitDays | Integer | This is the estimated number of days necessary to deliver the freight. |
| RateEstimate: Base | Decimal | This is the cost of the shipment before the fuel surcharge is added. |
| RateEstimate: FSC | Decimal | This is the estimated cost of the fuel (fuel surcharge). |
| RateEstimate: Net | Decimal | This is the estimated total cost of the shipment. |
| RateEstimate: Disclaimer | String | This is a message detailing the terms of our rate estimate system. |
| Shipment: Warnings | N/A | This node contains all of the individual warnings for the shipment. Each individual warning is represented by a Warning node. |
| Warnings: Warning | String | This is a single warning message for the shipment. Warning messages contain additional information about the request or the shipment. For instance, in some circumstances UTS cannot return pricing for a shipment. A warning would tell you the reason. |

Response Body Structure

```

<RateEstimate>
  <ResponseMessage>string</ResponseMessage>
  <RateQuotedId>string</RateQuotedId>
  <Origin>
    <Name>String</Name>
    <Address>

```

```
<Address>String</Address>
<City>String</City>
<State> String</State>
<Zip>String</Zip>
<Country>String</Country>
</Address>
</Origin>
<Destination>
<Name>String</Name>
<Address>
<Address>String</Address>
<City>String</City>
<State>String</State>
<Zip>String</Zip>
<Country>String</Country>
</Address>
</Destination>
<CarrierName>String</CarrierName>
<CarrierID>Int</CarrierID>
<TransitDays>Int</TransitDays>
<Base>Decimal</Base>
<FSC>Decimal</FSC>
<Net>Decimal</Net>
<Disclaimer>String</Disclaimer>
<Warnings>
<Warning>String</Warning>
<Warning>String</Warning>
</Warnings>
</RateEstimate>
```