

# Universal Traffic Service

## Invoice Web Service Documentation

### Purpose

The purpose of this web service is to allow clients the ability to retrieve the most recent invoice using Universal Traffic Service web services.

### Request

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

```
<?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>
    <GetInvoiceInformation xmlns="http://services.myuts.net/">
      <InvoicingRequest>
        <WebKey>string</WebKey>
      </InvoicingRequest>
    </GetInvoiceInformation>
  </soap:Body>
</soap:Envelope>
```

### Request Header Content

HTTP Method: POST

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

SOAP Method: GetInvoiceInformation

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

### Request Body Content

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

### Request Body Structure

```
<InvoicingRequest>
  <WebKey> string </WebKey>
</InvoicingRequest>
```

## Response

### Response Body Content

Parameter (length)	Type	Description
InvoicingResponse	N/A	This is the response's root node. This node contains the invoiced shipments node, which holds each individual shipment that has been invoiced.
InvoicingResponse: InvoicedShipments	N/A	This node holds individual shipments that have been invoiced.
InvoicedShipments: InvoicedShipment	N/A	This node contains invoiced information for an individual shipment.
InvoicedShipment: ResponseCode	Integer	0 (zero) represents that the shipment was entered successfully. 1 represents that an error occurred.
InvoicedShipment: ResponseMessage	String	This will return a success message when a response code of 0 is returned. Otherwise, this will contain a failure message.
InvoicedShipment: Client	N/A	This node contains information about the client on 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.
InvoicedShipment: CalledInBy	String	This is the person who submitted the shipment.
InvoicedShipment: Routing	String	This field defines who holds the pricing with the carrier on a specific shipment. Program – UTS holds the pricing direct with the carrier. Non-Program – Client holds the pricing with the carrier.
InvoicedShipment: PaymentType	String	This is the payment type for the shipment. Options: 3 <sup>rd</sup> Party, Collect, Prepaid, Prepaid/Add
InvoicedShipment: Type	String	This is the type of shipment. Options: LTL, TL, Volume, Air, Boat
InvoicedShipment: VehicleType	String	This is the type of vehicle 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
InvoicedShipment: LoadStops	Integer	This is the number of load stops for the shipment.
InvoicedShipment: EnteredOn	DateTime	This is the date the shipment was created.

Parameter (length)	Type	Description
InvoicedShipment: 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.
InvoicedShipment: 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.
InvoicedShipment: WeekEndDate	DateTime	This is the date UTS confirmed the shipment charges.
InvoicedShipment: InvoiceDate	DateTime	This is the date the shipment was invoiced.
InvoicedShipment: InvoiceID	String	This is the unique identification number that UTS has applied to the invoice of this shipment.
InvoicedShipment: OrderID	String	This is a unique identifier that UTS has applied to the shipment.
InvoicedShipment: PRONumber	String	This is the proof of delivery number assigned by the carrier for the shipment.
InvoicedShipment: BOLNumber	String	This is the bill of lading number for the shipment.
InvoicedShipment: PONumber	String	This is the purchase order number for the shipment.
InvoicedShipment: CustRefNumber	String	This is a client-specified identification number.
InvoicedShipment: acDept	String	Accounting field to be used by client for specific needs.
InvoicedShipment: acGInum	String	Accounting field to be used by client for specific needs.
InvoicedShipment: acSubLedger	String	Accounting field to be used by client for specific needs.
InvoicedShipment: acMemo	String	Accounting field to be used by client for specific needs.
InvoicedShipment: Shipper	N/A	This node contains information about the shipper (the origin) on 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.
InvoicedShipment: Consignee	String	This node contains information about the consignee (the destination) on 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.

Parameter (length)	Type	Description																					
Consignee: City	String	This is the city of the consignee on the shipment.																					
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.																					
InvoicedShipment: Carrier	N/A	This node contains information about the carrier on 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.																					
Carrier: Scac	String	This is the carrier's SCAC																					
InvoicedShipment: Web	Boolean	This node tells whether the shipment was entered on the web or not.																					
InvoicedShipment: Miles	Double	This node tells how many miles the shipment traveled.																					
InvoicedShipment: Pieces	Integer	This node tells the total number of line items in the shipment description.																					
InvoicedShipment: 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.																					
	<b>Package Type Options</b> <table border="1"> <tbody> <tr> <td>1: Bag / Sack</td> <td>2: Basket</td> <td>3: Blanket Wrap</td> </tr> <tr> <td>4: Box</td> <td>5: Bulk</td> <td>6: Bundle</td> </tr> <tr> <td>7: Drum</td> <td>8: Crate / Rack</td> <td>9: Hopper</td> </tr> <tr> <td>10: Loose</td> <td>11: Reel / Roll</td> <td><b>12: Skid / Pallet</b></td> </tr> <tr> <td>13: Tote</td> <td>15: Spindle</td> <td>16: Keg</td> </tr> <tr> <td>17: Tank</td> <td>18: Cylinder</td> <td>19: Carton</td> </tr> <tr> <td>20: Tube</td> <td>21: Pail</td> <td></td> </tr> </tbody> </table>		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	<b>12: Skid / Pallet</b>	13: Tote	15: Spindle	16: Keg	17: Tank	18: Cylinder	19: Carton	20: Tube	21: Pail	
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20: Tube	21: Pail																						
LineItem: NMFC	String	The National Motor Freight Classification number.																					
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.																					

Parameter (length)	Type	Description
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.
InvoicedShipment: TotalWeight	Double	This is the total weight of the line items on the shipment.
InvoicedShipment: Accessorials	N/A	This node contains all of the individual accessorials on the shipment. Each individual accessory is represented by an accessory node.
Accessorials: Accessorial	N/A	This node contains information for a single accessory.
Accessory: AccessorialID	Integer	This is a numeric code that represents an accessory that applies to the shipment. <b>For a full list of accessory codes, refer to our <i>Accessory Codes</i> documentation.</b>
Accessory: Description	String	This is the description of the accessory.
Accessory: Charge	Decimal	This is the accessory charge.
InvoicedShipment: Stops		This node contains all of the individual load stops on the shipment. Each individual load stop is represented by a Stop node.
Stops: Stop		This node contains information for a single load stop.
Stop: Name	String	This is the name of the company on the load stop.
Stop: City	String	This is the city of the company on the load stop.
Stop: State	String	This is the two letter abbreviation for the load stop company's state/province. For instance - Michigan would be invalid, but MI is valid.
Stop: Zip	String	This is the zip/postal code of the company on the load stop.
Stop: Country	String	This is the country of the company on the load stop.
Stop: Pieces	Integer	This is the number of pieces to pick up or drop off at the stop location.
Stop: Weight	Double	This is the weight of the material to pick up or drop off at the load stop.
InvoicedShipment: Charges		This node contains pricing information for the shipment.
InvoicedShipment: Base	Double	This is the base charge for the shipment.
InvoicedShipment: FuelSurcharge	Double	This is the fuel surcharge for the shipment.
InvoicedShipment: AccessorialSum	Double	This is the sum of all accessory charges on the shipment.
InvoicedShipment: TotalNet	Double	This is the total charge for the shipment including the base charge, fuel surcharge, and accessory charges.

## Response Body Structure

```

<InvoicingResponse>
  <InvoicedShipments>
    <InvoicedShipment>
      <ResponseCode>int</ResponseCode>
      <ResponseMessage>string</ResponseMessage>
      <Client>
        <Name>string</Name>
        <Address>string</Address>

```

```
        <City>string</City>
        <State>string</State>
        <Zip>string</Zip>
    </Client>
    <CalledInBy>string</CalledInBy>
    <Routing>string</Routing>
    <PaymentType>string</PaymentType>
    <Type>string</Type>
    <VehicleType>string</VehicleType>
    <LoadStops>int</LoadStops>
    <EnteredOn>dateTime</EnteredOn>
    <PickupDate>dateTime</PickupDate>
    <DeliveryDate>dateTime</DeliveryDate>
    <WeekEndDate>dateTime</WeekEndDate>
    <InvoiceDate>dateTime</InvoiceDate>
    <InvoiceID>string</InvoiceID>
    <OrderID>string</OrderID>
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    <BOLNumber>string</BOLNumber>
    <PONumber>string</PONumber>
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    <acGlNum>string</acGlNum>
    <acSubLedger>string</acSubLedger>
    <acMemo>string</acMemo>
    <Shipper>
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        <Country>string</Country>
    </Shipper>
    <Consignee>
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        <Address>string</Address>
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        <State>string</State>
        <Zip>string</Zip>
        <Country>string</Country>
    </Consignee>
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        <Scac>string</Scac>
    </Carrier>
    <Web>boolean</Web>
    <Miles>int</Miles>
    <Pieces>int</Pieces>
    <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>
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        <IsStackable>boolean</IsStackable>
        <IsHazardous>boolean</IsHazardous>
        <Description>string</Description>
    </LineItem>
</LineItems>
<ActualWeight>double</ActualWeight>
<Accessorial>
    <Accessorial>
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        <Description>string</Description>
        <Charge>decimal</Charge>
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    </Accessorial>
</Accessorial>
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    <stop>
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        <City>string</City>
        <State>string</State>
        <Zip>string</Zip>
        <Country>string</Country>
        <Pieces>int</Pieces>
        <Weight>double</Weight>
    </stop>
</Stops>
<Charges>
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    <FuelSurcharge>decimal</FuelSurcharge>
    <AccessorialSum>decimal</AccessorialSum>
    <TotalNet>decimal</TotalNet>
</Charges>
</InvoicedShipment>
</InvoicedShipments>
</InvoicingResponse>
```