Web Service Technical Documentation

Input:

All input data should be formatted in XML and sent via an HTTP POST request (using SSL) to:

https://webservices.artraffic.com/upload/webservice.php

The name of the POST string is: 'datain' and all the data is enclosed is to be enclosed in an element named: 'request'. All elements to be enclosed in 'request' are listed below.

XML Data Requirements:

```
<?xml version="1.0" encoding="UTF-8"?>
<request>
        <user>User Name</user> (3 alphanumeric bytes)
        <password>Password</password> (6 alphanumeric bytes)
        <type>Request Type</type> (1 alphanumeric byte) (See Below)*
        <data>Shipment Data String</data> (see datastring.xls for shipment data string format)
        <carrier>Preferred Carrier SCAC</carrier> (4 alphanumeric bytes)**
        <mode>Shipment Mode (All=Blank, Truckload=T, LTL=L, Parcel=P, Air=A)</mode> (1
                alphanumeric byte)*
        <equipcode>Equipment Code</equipcode> (2 alphanumeric bytes)*
        <days>Transit Level</days> (2 numeric bytes)*
</request>
```

ALL ELEMENTS ARE REQUIRED, BUT THE ONES WITH AN * MAY BE LEFT BLANK

**Carrier must be passed for request type 2

Request Types:

Code	Type	Description
1	Rate Shop Request	Returns rates for all carriers (unless one is specified in 'carrier' element)
2	Ship Request	Records shipment to accrual file
3	Preferred Routing Request	Returns rate for preferred carrier

Output:

All output data is formatted in XML and enclosed in an element named 'response'. There are 2 elements enclosed in 'response': 'code' and 'data'. 'Code' contains a response code that describes the status of the request. The response codes are:

Response Code	HTTP Status Code	Description
0	400 (Bad Request)	Unknown Error
1	200 (OK)	Success
2	403 (Forbidden)	HTTPS Required
3	401 (Unauthorized)	Authentication Required
4	401 (Unauthorized)	Authentication Failed
5	406 (Unacceptable Request)	Invalid Shipment Data String Format

'Data' contains the output of the web service request. If there is an error with the request it contains a description of the error. If there is an error with the data in the request, it returns an error code. See *errormsg.txt* for a listing of error codes.

If the request is successful and the data is valid, the format of the output string ('data') is:
mode|scac|carrier|freight amount|adjusted amount|days|direct/interline$

The end of a record (carrier) is indicated by: $. If there is/are more carrier(s), their data will follow in the same string.