



ACI Web Services

Developer Guide v1.1

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1. Suggestive Rates Web Services

1.1 Introduction

Suggestive Rates Services offers facility for users to view various rates for their cargo.

This section provides an overview on implementing and interfacing with the web services.

1.2 Protocol

The Suggestive Rates System is deployed as a XML web service. Users provide a properly formatted XML request to the web application will receive XML responses.

1.2.1 Connection Strings

The following table list URL needed to connect to the Suggestive Rates System.

- https://www.aircargocommunities.com/ACI_suggestive_rates_server.php

1.2.2 Process Steps

The following steps should be followed to get details from the web service.

Step # 1: Send request to the Suggestive Rates Web Service

Simply send your request in complete XML to URL specified in Section 2.1 to begin making requests to the application. Please refer to Appendix A for information on what to pass for the request.

Step # 2: Consume Suggestive Rates Web Service response

Once the request is processed an xml-formatted response will be returned. Please refer to Appendix B for details of the XML response format.

If the request failed or an error encountered then an xml error will be generated indicating the cause of the failure or error. Please refer Appendix C for error response. (Please see Appendix D for error details).

Appendix A: Ordering XML string

The following is a sample suggestive rates request string

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns6307:GetSuggestiveRates xmlns:ns6307="http://tempuri.org">
      <LoginDetails>
        <username xsi:type="xsd:string">aircargotest</username>
        <password xsi:type="xsd:string">aircargotest </password>
      </LoginDetails>
    </ns6307:GetSuggestiveRates>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```

    <zipcode xsi:type="xsd:string">08865</zipcode>
    <city_state xsi:type="xsd:string"> alpha,nj</city_state>
  </ns6307:GetSuggestiveRates>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Note: While posting xml request please ensure you pass username and password and atleast one among city_state,zipcode

Please specify content-type as text/xml while posting xml request.

| Name | DD XML Mapping | Description text | Mandatory? |
|------------|-----------------------|-------------------------|------------|
| username | LoginDetails/username | Username | Y |
| password | LoginDetails/password | Password | Y |
| city_state | city_state | City,State Abbreviation | N |
| zipcode | zipcode | Zipcode | N |

Appendix B: Result XML

After a successful request has been made, the XML response will return string representing the Rates details. A sample Suggestive Rates Web Service response is below. Schemas are available upon request.

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="Array"
xmlns:SOAP-ENV=http://schemas.xmlsoap.org/soap/envelope/
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
<SOAP-ENV:Body>
<ACIroot>
  <SuggestiveRatesDetail>
    <Zip>08865</Zip>
    <City>alpha</City>
    <State>nj</State>
  </SuggestiveRatesDetail>

  <SuggestiveRatesCount>1</SuggestiveRatesCount>
  <SuggestiveRates>
    <row>
      <State>NJ</State>
      <Statename>NEW JERSEY</Statename>
      <Country>United States</Country>
      <City_place>Alpha</City_place>
      <Zip_code>08865</Zip_code>
      <Airlp_code>ABE</Airlp_code>
      <Carrier></Carrier>
      <Area>C</Area>
    </row>
  </SuggestiveRates>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```

        <Next_day>0</Next_day>
        <Rate_min>37.00</Rate_min>
        <Rate_100>9.75</Rate_100>
        <Rate_1000>9.00</Rate_1000>
        <Rate_2000>8.50</Rate_2000>
        <Rate_5000>7.40</Rate_5000>
    </row>
</SuggestiveRates>
</ACIroot>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Appendix C: XMLException

If a failure occurs, either system or validation, an XMLException response is returned.

```

<?xml version="1.0" encoding="UTF-8"?>
<ACIroot>
    <faultcode>
        <Error> Please enter valid Username and Password.</Error>
        <Error> Please enter either zipCode or City,State Abbreviation. </Error>
    </faultcode>
</ACIroot>

```

Appendix D: General Errors

1. Enter valid Username and Password.
2. Enter either zipCode or City , State Abbreviation.

2. ACI Search Line hauler Services

2.1.0 Introduction

ACI Search Line Hauler Services offers facility for users to view various Line Haulers available between given origin and destination airport codes.

This section provides an overview on implementing and interfacing with the web services.

2.2.0 Protocol

ACI Search Line Hauler System is deployed as a XML web service. Users provide a properly formatted XML request to the web application will receive XML responses.

2.2.1 Connection Strings

The following table list URL needed to connect to the ACI Search Line Hauler System.

- https://www.aircargocommunities.com/ACI_search_line_hauler_server.php

2.2.2 Process Steps

The following steps should be followed to get details from the web service.

Step # 1: Send request to the ACI Search Line Hauler Service

Simply send your request in complete XML to URL specified in Section 2.1 to begin making requests to the application. Please refer to Appendix A for information on what to pass for the request.

Step # 2: Consume ACI Search Line Hauler Service response

Once the request is processed an xml-formatted response will be returned. Please refer to Appendix B for details of the XML response format.

If the request failed or an error encountered then an xml error will be generated indicating the cause of the failure or error. Please refer Appendix C for error response. (Please see Appendix D for error details).

Appendix A: Ordering XML string

The following is a sample ACI Search Line Hauler request string

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns6307:GetSearchLineHauler xmlns:ns6307="http://tempuri.org">
      <LoginDetails>
        <username xsi:type="xsd:string">aircargotest</username>
        <password xsi:type="xsd:string">aircargotest</password>
```



```

    </LoginDetails>
    <origin_airport_code xsi:type="xsd:string">EWR</origin_airport_code>
    <destination_airport_code xsi:type="xsd:string">JFK</destination_airport_code>
  </ns6307:GetSearchLineHauler>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Note: Please specify content-type as text/xml while posting xml request.

| Name | DD XML Mapping | Description text | Mandatory? |
|--------------------------|--------------------------|--------------------------|------------|
| username | LoginDetails/username | Username | Y |
| password | LoginDetails/password | Password | Y |
| origin_airport_code | origin_airport_code | Origin Airport Code | Y |
| destination_airport_code | destination_airport_code | Destination Airport Code | Y |

Appendix B: Result XML

After a successful request has been made, the XML response will return string representing the Agent details. A sample ACI Search Line Hauler Service response is below. Schemas are available upon request.

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="Array"
xmlns:SOAP-ENV=http://schemas.xmlsoap.org/soap/envelope/
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
<SOAP-ENV:Body>
<ACIroot>
  <SearchCount>36</SearchCount>
  <SearchLineHauler>
    <row>
      <Name>American Linehaul Corporation</Name>
      <Address> 1 Slater Drive Elizabeth NJ 7206</Address>
      <Phone>908-353-2239</Phone>
      <Fax>908-353-2296</Fax>
      <Email>stumminia@americanlc.com</Email>
      <Website>www.americanlc.com</Website>
    </row>
    <row>
      <Name>Forward Air Inc</Name>
      <Address>888 Doremus Ave., Suite C , Newark NJ 07114</Address>
      <Phone>973-690-5767</Phone>
      <Fax>973-690-5337</Fax>
      <Email>fac@forwardair.com</Email>
      <Website></Website>
    </row>
  </SearchLineHauler>
</ACIroot>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```
</SearchLineHauler>
```

```
</ACIroot>
```

```
</SOAP-ENV:Body>
```

```
</SOAP-ENV:Envelope>
```

Appendix C: XMLException

If a failure occurs, either system or validation, an XMLException response is returned.

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<ACIroot>
```

```
  <faultcode>
```

```
    <Error> Please enter valid Username and Password.</Error>
```

```
    <Error> Please enter Origin Airport Code and Destination Airport Code.</Error>
```

```
  </faultcode>
```

```
</ACIroot>
```

Appendix D: General Errors

1. Enter valid Username and Password.
2. Enter Origin Airport Code and Destination Airport Code.

3. ACI Search Web Services

3.1.0 Introduction

ACI Search Services offers facility for users to view various airport details according to given zip codes.

This section provides an overview on implementing and interfacing with the web services.

3.2.0 Protocol

ACI Search System is deployed as a XML web service. Users provide a properly formatted XML request to the web application will receive XML responses.

3.2.1 Connection Strings

The following table list URL needed to connect to the ACI Search System.

- https://www.aircargocommunities.com/ACI_search_server.php

3.2.2 Process Steps

The following steps should be followed to get details from the web service.

Step # 1: Send request to the ACI Search Web Service

Simply send your request in complete XML to URL specified in Section 2.1 to begin making requests to the application. Please refer to Appendix A for information on what to pass for the request.

Step # 2: Consume ACI Search Web Service response

Once the request is processed an xml-formatted response will be returned. Please refer to Appendix B for details of the XML response format.

If the request failed or an error encountered then an xml error will be generated indicating the cause of the failure or error. Please refer Appendix C for error response. (Please see Appendix D for error details).

Appendix A: Ordering XML string

The following is a sample ACI Search request string

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns6307:GetSearch xmlns:ns6307="http://tempuri.org">
      <LoginDetails>
        <username xsi:type="xsd:string">aircargotest</username>
        <password xsi:type="xsd:string">aircargotest </password>
      </LoginDetails>
    </ns6307:GetSearch>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```

    <zip xsi:type="xsd:string">10001</zip>
    <endzip xsi:type="xsd:string">10002</endzip >
  </ns6307:GetSearch>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Note: While posting xml request please ensure you pass username and password and atleast one among zip,endzip Please specify content-type as text/xml while posting xml request.

| Name | DD XML Mapping | Description text | Mandatory? |
|----------|-----------------------|---------------------|------------|
| username | LoginDetails/username | Username | Y |
| password | LoginDetails/password | Password | Y |
| zip | zip | Source Zipcode | N |
| endzip | endzip | Destination Zipcode | N |

Appendix B: Result XML

After a successful request has been made, the XML response will return string representing the Airport details. A sample ACI Search Service response is below. Schemas are available upon request.

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="Array"
xmlns:SOAP-ENV=http://schemas.xmlsoap.org/soap/envelope/
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
<SOAP-ENV:Body>
<ACIroot>
  <SearchCount>36</SearchCount>
  <Search>
    <row>
      <Point>Empire State, NY</Point>
      <Zipcode>10001</Zipcode>
      <Airport>NEWARK / EWR</Airport>
      <Drivingmiles>14.97</Drivingmiles>
      <MCArea>G</MCArea>
      <AirportType>Major</ AirportType>
    </row>
    <row>
      <Point>Empire State, NY</Point>
      <Zipcode>10001</Zipcode>
      <Airport>NEW YORK / JFK</Airport>
      <Drivingmiles>16.44</Drivingmiles>
      <MCArea>A</MCArea>
      <AirportType>Regional</ AirportType>
    </row>
  </Search>
</ACIroot>

```

```
        </Search>
</ACIroot>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Appendix C: XMLException

If a failure occurs, either system or validation, an XMLException response is returned.

```
<?xml version="1.0" encoding="UTF-8"?>
<ACIroot>
  <faultcode>
    <Error> Please enter valid Username and Password.</Error>
    <Error>Please enter either zip or endzip.</Error>
  </faultcode>
</ACIroot>
```

Appendix D: General Errors

1. Enter valid Username and Password.
2. Enter either zip or endzip.

4. Charters Details Web Services

4.1.0 Introduction

Charters Details Services offers facility for viewing available Charters.

This section provides an overview on implementing and interfacing with the web services.

4.2.0 Protocol

The Charters Details System is deployed as a XML web service. Users will receive XML responses.

4.2.1 Connection Strings

The following table list URL needed to connect to the Charters Details System.

- https://www.aircargocommunities.com/ACI_charters_server.php

4.2.2 Process Steps

The following steps should be followed to get details from the web service.

Step # 1: Send request to the Charters Details Web Service

Simply send your request in complete XML to URL specified in Section 2.1 to begin making requests to the application. Please refer to Appendix A for information on what to pass for the request.

Step # 2: Consume Charters Details Web Service response

Once the request is processed an xml-formatted response will be returned. Please refer to Appendix B for details of the XML response format.

If the request failed or an error encountered then an xml error will be generated indicating the cause of the failure or error. Please refer Appendix C for error response. (Please see Appendix D for error details).

Appendix A: Ordering XML string

The following is a sample charters details request string

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns6307:GetCharters xmlns:ns6307="http://tempuri.org">
      <LoginDetails>
        <username xsi:type="xsd:string">aircargotest</username>
        <password xsi:type="xsd:string"> aircargotest </password>
      </LoginDetails>
    </ns6307:GetCharters>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



```
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Note: Please specify content-type as text/xml while posting xml request.

| Name | DD XML Mapping | Description text | Mandatory? |
|----------|-----------------------|------------------|------------|
| username | LoginDetails/username | Username | Y |
| password | LoginDetails/password | Password | Y |

Appendix B: Result XML

After a successful request has been made, the XML response will return string representing the Charters details. A sample Charters Details Web Service response is below. Schemas are available upon request.

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="Array"
xmlns:SOAP-ENV=http://schemas.xmlsoap.org/soap/envelope/
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
<SOAP-ENV:Body>
<ACIroot>
  <CharterCount>43</CharterCount>
  <Charters>
    <row>
      <Name>American Airlines (ATL)</Name>
      <Address>Georgia , GA </Address>
      <Phone>305-870-4848</Phone>
      <Fax></Fax>
      <Email>linda.brown@aa.com</Email>
      <Website>www.aacargo.com</Website>
    </row>
    <row>
      <Name>American Airlines (AUS)</Name>
      <Address>Texas (Southern) , TX </Address>
      <Phone>281-230-1762</Phone>
      <Fax></Fax>
      <Email>linda.brown@aa.com</Email>
      <Website>www.aacargo.com</Website>
    </row>
  </Charters>
</ACIroot>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Appendix C: XMLException

If a failure occurs, either system or validation, an XMLException response is returned.

```
<?xml version="1.0" encoding="UTF-8"?>
<ACIroot>
  <faultcode>
    <Error> Please enter valid Username and Password.</Error>
  </faultcode>
</ACIroot>
```

Appendix D: General Errors

1. Enter valid Username and Password.

5. ACI Search By Type Web Services

5.1.0 Introduction

ACI Search By Type Services offers facility for users to view various agents according to given Airport code and Agent Type.

This section provides an overview on implementing and interfacing with the web services.

5.2.0 Protocol

ACI Search By Type System is deployed as a XML web service. Users provide a properly formatted XML request to the web application will receive XML responses.

5.2.1 Connection Strings

The following table list URL needed to connect to the ACI Search System.

- https://www.aircargocommunities.com/ACI_search_by_type_server.php

5.2.2 Process Steps

The following steps should be followed to get details from the web service.

Step # 1: Send request to the ACI Search By Type Web Service

Simply send your request in complete XML to URL specified in Section 2.1 to begin making requests to the application. Please refer to Appendix A for information on what to pass for the request.

Step # 2: Consume ACI Search By Type Web Service response

Once the request is processed an xml-formatted response will be returned. Please refer to Appendix B for details of the XML response format.

If the request failed or an error encountered then an xml error will be generated indicating the cause of the failure or error. Please refer Appendix C for error response. (Please see Appendix D for error details).

Appendix A: Ordering XML string

The following is a sample ACI Search By Type details request string

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns6307:GetSearchByType xmlns:ns6307="http://tempuri.org">
      <LoginDetails>
        <username xsi:type="xsd:string">aircargotest</username>
        <password xsi:type="xsd:string"> aircargotest </password>
```

```

    </LoginDetails>
    <airport_code xsi:type="xsd:string">EWR</ airport_code>
    <agent_types xsi:type="xsd:string">1,2</ agent_types>
  </ns6307:GetSearchByType>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Note: Please specify content-type as text/xml while posting xml request.

| Name | DD XML Mapping | Description text | Mandatory? |
|--------------|-----------------------|--|------------|
| username | LoginDetails/username | Username | Y |
| password | LoginDetails/password | Password | Y |
| airport_code | airport_code | Airport Code | Y |
| agent_types | agent_types | Agent Types(Should be added in comma seperated eg: 1,4) 1 - Cartage Agents 2 - Line Haul Carriers 3 - Intermodal Carriers 4 - Couriers 5 - Custom Brokers | N |

Appendix B: Result XML

After a successful request has been made, the XML response will return string representing the Agent details. A sample ACI Search By Type Service response is below. Schemas are available upon request.

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="Array"
xmlns:SOAP-ENV=http://schemas.xmlsoap.org/soap/envelope/
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ACIroot>
      <SearchCount>21</SearchCount>
      <SearchAgent>
        <row>
          <Name>A & F Services Inc.</Name>
          <Address>333 First Street , Elizabeth NJ 07206</Address>
          <Phone>973-648-0740</Phone>
          <Fax>973-469-8353</Fax>
          <Email>fzampini@a-fservices.com</Email>
          <Website>www.a-fservices.com</Website>
        </row>
        <row>
          <Name>American Linehaul Corporation</Name>
          <Address> 1 Slater Drive Elizabeth NJ 7206</Address>
          <Phone>908-353-2239</Phone>
          <Fax>908-353-2296</Fax>
          <Email>stumminia@americanlc.com</Email>
          <Website>www.americanlc.com</Website>
        </row>
      </SearchAgent>
    </ACIroot>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```
        </row>
    <SearchAgent>
</ACIroot>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Appendix C: XMLException

If a failure occurs, either system or validation, an XMLException response is returned.

```
<?xml version="1.0" encoding="UTF-8"?>
<ACIroot>
    <faultcode>
        <Error> Please enter valid Username and Password.</Error>
        <Error>Please enter Airport Code.</Error>
    </faultcode>
</ACIroot>
```

Appendix D: General Errors

1. Enter valid Username and Password.
2. Enter Airport Code.