



pennsylvania
LIQUOR CONTROL BOARD

Bureau of Alcohol Education
Office of Information Technology Services

Responsible Alcohol Management Program

Web Trainee Mass Load Service

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Introduction

The Web Trainee Mass Load Service allows an approved vendor to submit one or more trainees to the PLCB RAMP tracking system through a Web 2.0 interface. Using a Web 2.0 interface allows vendors to automate the submission of trainees who have passed or failed an electronic version of a server/seller training course. This service is currently available for testing and production use, and this document outlines the usage of the service; the most current version of this document is available at the following link:

<https://www.apps.lcb.pa.gov/RAMP/Documentation/>

Web Service Keys

Upon request and approval, PLCB will provide each vendor with two web service keys: production and sandbox. The sandbox key should be used during testing, when the vendor wants to submit test requests to PLCB without actually certifying that the trainees in the request have completed training. When the production key is used, the submitted trainees will actually be recorded in the PLCB system as having passed or failed the training as indicated. Exactly 1 key must be included in each request to the web service in the VendorIdentifier tag. These keys are used to secure the submission of trainee records, are unique to each vendor, and should be kept confidential. If a vendor key is compromised, the vendor should contact PLCB security to have the key revoked.

Submitting Trainees

Trainee submission is accomplished through a single web service call over https to <https://www.apps.lcb.pa.gov/RAMP/SellerServer>. (Previously, this document specified <https://www.apps.lcb.pa.gov/RAMP/> as the URL to use; it will continue to be supported until the next revision of this document.) Requests should not be submitted if the remote host does not present a valid certificate. The request to submit trainees is passed to the web service either as the content of a POST, or as a post field named 'Request' in the POST. The results of the request are

	Content Type header	Send request data in
Send as content	text/xml	Content of the HTTP request
Send as a form submission	multipart/form-data application/x-www-form-urlencoded etc.	Post field named 'Request'

returned in the HTTP response.

The post field method is easier to implement for initial testing by using the following HTML in a local web page, while the content method is sometimes easier to implement in an automated system:

```
<form method=POST  
action="https://www.apps.lcb.pa.gov/RAMP/SellerServer">  
  <textarea name="Request"></textarea>
```

```
<br>
<input type="Submit">
</form>
```

Schema

The request must be marked up in XML, and must validate against the RAMPTraineeSubmit schema. The schema for the trainee submission is available at the following link: <https://www.apps.lcb.pa.gov/RAMP/xsd/RAMPTraineeSubmit.xsd>

Note: <SessionDateTime> field is the date-time an individual was trained, NOT the date-time processed.

Sample RAMPTraineeSubmit

(Indenting and line breaks are optional.)

```
<?xml version="1.0" encoding="UTF-8"?>
<RAMPTraineeSubmit>
  <VendorIdentifier>4e85d50a4b9a7f8a1cb2b986a2f70ca8ec862e64010ceac0612dfd086a2cdd39b3e16cc57c5d2</VendorIdentifier>
  <Trainees>
    <Trainee>
      <SessionDateTime>2011-09-30T13:49:36</SessionDateTime>
      <ExamResult>Fail</ExamResult>
      <EmployerLIDs>
        <EmployerLID>901326</EmployerLID>
        <EmployerLID>530729</EmployerLID>
      </EmployerLIDs>
      <SocialSecurityLastFour>3898</SocialSecurityLastFour>
      <DateOfBirth>1976-11-11</DateOfBirth>
      <Name>
        <First>Tonia</First>
        <MiddleInitial>G</MiddleInitial>
        <Last>Kratochvil</Last>
        <Suffix>XIV</Suffix>
      </Name>
      <Address>
        <StreetOne>229 Jenna Steadings St.</StreetOne>
        <City>Mapleredhouse</City>
        <State>PA</State>
        <Zip>
          <FirstFive>41655</FirstFive>
          <LastFour>9477</LastFour>
        </Zip>
      </Address>
      <Phone>
        <Number>8529753105</Number>
        <Extension>9526</Extension>
      </Phone>
      <Email>RedhouseMaple@somewhere.com</Email>
    </Trainee>
    <Trainee>
      <SessionDateTime>2011-09-30T13:49:36</SessionDateTime>
      <ExamResult>Pass</ExamResult>
      <SocialSecurityLastFour>4704</SocialSecurityLastFour>
      <DateOfBirth>1944-03-22</DateOfBirth>
      <Name>
        <First>Victoria</First>
        <Last>Hartage</Last>
      </Name>
      <Address>
        <StreetOne>710 Catherin Winkleblack St.</StreetOne>
        <City>Janettesaloom</City>
        <State>PA</State>
```

```

    <Zip>
      <FirstFive>26824</FirstFive>
    </Zip>
  </Address>
  <Phone>
    <Number>1039973850</Number>
  </Phone>
  <Email>SaloomJanette@somewhere.com</Email>
</Trainee>
</Trainees>
</RAMPTraineeSubmit>

```

Processing the Response

The web service XML response must be processed by the vendor to confirm that the trainees were successfully submitted to the system; a valid response does not indicate that all of the trainees have been submitted. There may have been errors with the XML, the Vendor Identifier, or individual trainees. PLCB maintains a copy of the XML received and the XML response to the vendor for logging and auditing purposes.

Schema

The schema for the result includes 4 high level tags: ParseError, SystemError, VendorIdentificationError, and Processed. The first 3 indicate that none of the trainees were successfully submitted to the system. The Processed message means that all the trainees were processed; however, some or all of the trainees may not have been successfully submitted if there are trainee level errors. See the Processed section below for more details on determining which trainees were successfully submitted to the system.

The result schema is available at the following link: <https://www.apps.lcb.pa.gov/RAMP/xsd/RAMPTraineeResult.xsd>

Invalid XML Result

If either invalid XML is sent, or if the XML fails to validate to the schema, a ParseError will be returned, along with Message tags for the errors encountered.

```

<RAMPTraineeResult>
  <ParseError>
    <Message>Fatal Error 4: Start tag expected, '&lt;' not found on line 1</Message>
    <Message>Error 1872: The document has no document element. on line 0</Message>
  </ParseError>
</RAMPTraineeResult>

```

Invalid Vendor Identifier Result

If the submitted VendorIdentifier is invalid, a VendorIdentificationError will be returned. The Message tag will indicate what VendorIdentifier was submitted.

```

<?xml version="1.0" encoding="UTF-8"?>
<RAMPTraineeResult>
  <VendorIdentificationError>
    <Message>4e86260b936ec2.28283837 is not valid</Message>
  </VendorIdentificationError>
</RAMPTraineeResult>

```

System Error Result

If the web service is unable to process the trainees at this time, a SystemError will be returned. Retry the request at a later time. The message in a SystemError is for internal tracking purposes only.

```
<?xml version="1.0" encoding="UTF-8"?>
<RAMPTraineeResult>
  <SystemError>
    <Message>0d0294bf</Message>
  </SystemError>
</RAMPTraineeResult>
```

Processed Result

If the trainees were processed, a Processed message will be returned. The Processed message includes an Environment tag which confirms the environment of the VendorIdentifier: TEST or PRODUCTION. The Processed message also includes a Trainee node for each submitted Trainee.

Trainee Errors

If the Trainee node contains an Errors tag, then the Trainee was not successfully submitted. The messages should be examined, corrections should be made, and the trainee should be resubmitted. Trainee errors include:

- Invalid EmployerLID (example below)
- Duplicate trainee (The same trainee, training, and session date/time were already processed.)
- Invalid session date

```
<RAMPTraineeResult>
  <Processed>
    <Environment>TEST</Environment>
    <Trainees>
      <Trainee>
        <Errors>
          <Message>EmployerLID 452082 is Invalid</Message>
          <Message>EmployerLID 385617 is Invalid</Message>
        </Errors>
        <TrainingSessionNumber>0</TrainingSessionNumber>
        <SessionDateTime>2011-09-30T16:39:47</SessionDateTime>
        <ExamResult>Pass</ExamResult>
        <SocialSecurityLastFour>9070</SocialSecurityLastFour>
        <DateOfBirth>1981-07-10</DateOfBirth>
        <Name>
          <First>Kristie</First>
          <MiddleInitial>V</MiddleInitial>
          <Last>Tornincasa</Last>
        </Name>
      </Trainee>
    </Trainees>
  </Processed>
</RAMPTraineeResult>
```

Trainee Processed Successfully

If the Trainee node does not contain an Errors tag, then the Trainee was successfully submitted, and the TrainingSessionNumber can be recorded for proof of successful submission. (Successful submissions with the TEST VendorIdentifier will return a TrainingSessionNumber of 0.)

```
<RAMPTraineeResult>
  <Processed>
    <Environment>PRODUCTION</Environment>
```

```
<Trainees>
  <Trainee>
    <TrainingSessionNumber>158</TrainingSessionNumber>
    <SessionDateTime>2011-09-30T16:51:05</SessionDateTime>
    <ExamResult>Pass</ExamResult>
    <SocialSecurityLastFour>5002</SocialSecurityLastFour>
    <DateOfBirth>1964-06-03</DateOfBirth>
    <Name>
      <First>Melda</First>
      <MiddleInitial>D</MiddleInitial>
      <Last>Broadie</Last>
    </Name>
  </Trainee>
</Trainees>
</Processed>
</RAMPTraineeResult>
```