
3.0 File Upload

The NURSYS® Bulk License Verification file upload method allows approved organizations to enter and look up multiple nurse licenses in a single transaction by uploading a file containing licensure information.

3.1 File Formats

The NURSYS® Bulk License Verification will accept licensure files in two formats: CSV and XML.

3.1.1 CSV

CSV stands for “Comma Separated Values”. CSV is a text file format wherein each data field is separated by a comma. Files in this format must have a “.csv” extension (i.e. “myfile.csv”). For more information on the CSV format, please consult this article: http://en.wikipedia.org/wiki/Comma-separated_values.

3.1.2 XML

XML stands for “eXtensible Markup Language”. In an XML document, the data fields are organized into elements with data values held in the element’s content and attributes. Files in this format must have an “.xml” extension (i.e. “myfile.xml”) and conform to a predefined XML schema. For more information on the XML format, please consult this article: <http://en.wikipedia.org/wiki/XML>.

3.2 CSV File Layout

3.2.1 Fields

There are seven total fields in a NURSYS® Bulk License verification CSV file. Five fields are required and two are optional.

Field Name	Data Type	Length	Usage	Description
Last Name	String	30	Required	Nurse last name.
First Name	String	30	Required	Nurse first name.
Jurisdiction	String	50	Required	Name of the licensing board of nursing. Please see Appendix A for a valid list of values.
License Type	String	50	Required	Type of license. Please see Appendix B for a valid list of values.
License Number	String	15	Required	The license number as assigned by the licensing board of nursing.

Blank	String	10	Optional	Unused. Leave empty.
Blank	String	10	Optional	Unused. Leave empty.

Note: It is vitally important that all commas are removed from all data values prior to being entered into the file. Since commas are used to separate values, any comma within a value can cause misalignment.

3.2.2 CSV Sample

Below is a sample of a NURSYS® Bulk License Verification CSV file. The information contained within this example was artificially created for illustrative purposes only. Any similarity to actual licensure information is purely coincidental.

```
DONALDSON,PATRICE,NORTH CAROLINA,RN,278547,,
KELLER,ELIZA,IDAHO,RN,945499,,
MELONI,DARCY,FLORIDA,RN,RN3012183,,
SWERSKI,MARCUS,COLORADO,RN,92940259,,
SWINGMAN,WAYLON,NEBRASKA,RN,221348,,
```

3.3 XML File Layout

3.3.1 XML Schema

The NURSYS® Bulk License verification XML file should conform to the following schema:

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"
  xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns="" id="BulkAccessRequest">
  <xs:element name="BulkAccessRequest" msdata:IsDataSet="true"
    msdata:UseCurrentLocale="true">
    <xs:complexType>
      <xs:choice minOccurs="0" maxOccurs="unbounded">
        <xs:element name="Request">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="LastName" type="xs:string"/>
              <xs:element name="FirstName" type="xs:string"/>
              <xs:element name="Jurisdiction" type="xs:string"/>
              <xs:element name="LicenseType" type="xs:string"/>
              <xs:element name="LicenseNumber" type="xs:string"/>
              <xs:element name="Gender" type="xs:string"/>
              <xs:element name="DOB" type="xs:string"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:choice>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

3.3.2 Elements

The root node is the BulkRequestAccess element. The root node may contain one or more Request elements. Within each Request element are the seven data elements. Five elements are required and two are optional.

Element Name	Data Type	Length	Usage	Description
<LastName>	String	30	Required	Nurse last name.
<FirstName>	String	30	Required	Nurse first name.
<Jurisdiction>	String	50	Required	Name of the licensing board of nursing. Please see Appendix A for a valid list of values.
<LicenseType>	String	50	Required	Type of license. Please see Appendix B for a valid list of values.
<LicenseNumber>	String	15	Required	The license number as assigned by the licensing board of nursing.
<Gender>	String	10	Optional	Unused. Leave empty.
<DOB>	String	10	Optional	Unused. Leave empty.

3.3.3 XML Sample

Below is a sample of a NURSYS® Bulk License Verification XML file. The information contained within this example was artificially created for illustrative purposes only. Any similarity to actual licensure information is purely coincidental.

```
<?xml version="1.0" encoding="utf-8" ?>
<BulkAccessRequest>
  <Request>
    <LastName>DONALDSON</LastName>
    <FirstName>PATRICE</FirstName>
    <Jurisdiction>NORTH CAROLINA</Jurisdiction>
    <LicenseType>RN</LicenseType>
    <LicenseNumber>278547</LicenseNumber>
    <Gender></Gender>
    <DOB></DOB>
  </Request>
  <Request>
    <LastName>KELLER</LastName>
    <FirstName>ELIZA</FirstName>
    <Jurisdiction>IDAHO</Jurisdiction>
    <LicenseType>RN</LicenseType>
    <LicenseNumber>945499</LicenseNumber>
    <Gender></Gender>
    <DOB></DOB>
  </Request>
  <Request>
    <LastName>MELONI</LastName>
    <FirstName>DARCY</FirstName>
    <Jurisdiction>FLORIDA</Jurisdiction>
```