SSID Verification Service Specification

# Introduction & Definitions

## Introduction

This service is designed to allow USHE institutions to automatically verify the SSID number of public or formerly public students in the state of Utah who are registering to attend a USHE institution.

## Definitions

In order to clarify discussions and communicate efficiently, the following definitions will be used in this document, and will have specific meaning in the context of this service.

|  |  |
| --- | --- |
| Term | Definition |
| Birth Date | The student’s birthdate |
| First Name | First name submitted on the registration form |
| Gender | An indication of the student’s gender (‘M’, ‘F’) or ‘U’ if unknown, or unspecified |
| Last Name | Last name submitted on the registration form |
| SSID | Either the student’s SSID number (if known by the student), or the number the student used at his/her last attended Utah High School / Charter School. If neither of these numbers is available, use 0 for this field |
| USOE | Utah State Office of Education |
| USHE | Utah System of Higher Education |

# Service Overview

## Security

All attempts have been made to ensure the privacy of the information used in this web service. The following criteria must be met for the service to be used.

1. All requests to utilize this service must be sent using the https protocol
2. Access to this service will be restricted to only certain IP addresses that the USHE institution will provide to USOE
3. USOE will provide an API key that the USHE institution will include in the *Authorization* GET header of each request. Each USHE institution will need to use their own unique API key.

Utilization outside of these guidelines will result in the service returning an http error code.

To request an API key and to coordinate other information regarding the use of this service, please send an e-mail to [ssidhelp@schools.utah.gov](mailto:ssidhelp@schools.utah.gov).

## Required Information

USHE institutions will submit the following items if information. In a HTTPS GET request. These items should be included in the URL of the request as follows, (place holders in curly brackets)

https://ssidapi.schools.utah.gov/ssid/{id\_number}/{last\_name}/{first\_name}/{birth\_date}/{gender}

The Id number argument can be either the student’s SSID number, or LEA Student Number. If neither of these is provided, a 0 (zero) can be used.

The birth date argument should be formatted as yyyy-mm-dd. (i.e. January 14, 2010 would look like 2010-01-14)

If a match is found on the Last Name, First Name, Birth Date, and Gender fields, the web service will return an http status code of 200 and include the SSID number in the response body. Otherwise the service will return an http status code of 404 or other http error status codes.

An example of data included in a valid request:

GET /ssid/1000290/Doe/Jane/2000-08-16/F

…

Authorization: <the API key provided by USOE>

…

## Service Location

The location of the service is <https://ssidapi.schools.utah.gov/ssid/>

## Error codes

The following error codes are not the only possible error codes but they are the only error codes worth noting.

400 – Bad Request. This error code has various possible meanings. The response body will contain more information. A possible situation would be that there are multiple SSID numbers associated with the given attributes. In this case it is impossible for USOE to determine which SSID number is correct. Another possible reason for this error is that the arguments for the request are in the incorrect order, or are missing.

404 – Not found. This error code is generic in that it could mean that an SSID could not be found using the given parameters. It could also mean that the USHE institution is not using a valid API key or that the IP address that is being used by the USHE institution has changed, and USOE has not updated their system with the new address.