



# Utah State Tax Commission

## Withholding Web Service API Specification

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# Overview

The Withholding Web Service is a **RESTful API** designed for the electronic submission of withholding forms and status retrieval with the Utah State Tax Commission (USTC).

- **Format:** All requests should be sent as `application/json` (unless uploading via multipart).
- **Security:** All endpoints require **TLS 1.2+** encryption.
- **Authentication:** Uses **HTTP Basic Auth**. Contact [ArchesHelp@utah.gov](mailto:ArchesHelp@utah.gov) to request your `Username` and `Password`.

## Base Endpoints

Environment	Base URL
Testing/Sandbox	<code>https://tax-stage-interfaces.tax.utah.gov/Interfaces/FileSubmission/</code>
Production	<code>https://tax-interfaces.tax.utah.gov/Interfaces/FileSubmission/</code>

## API Reference

### Submit a File

**Endpoint:** `POST /submit`

Use this function to transmit tax fixed length files to the USTC.

**Request Headers:**

```
None
{
  "FileText": <String>
}
```

### Request Body Attributes:

Field	Type	Description
<code>submissionType</code>	String	Valid code from the <a href="#">Submission Type Table</a> .
<code>file</code>	String	Base64 encoded string of the file content.

## File Submission Response

**Endpoint:** `POST /submit`

**Response:**

```
JSON
{
  "SubmissionID": [<String>]
}
```

## File Submission Status Inquiry

Once a file is submitted, it is processed asynchronously. Use this endpoint to poll for the final result using the `submissionID` generated in the previous step. Note: If you receive a `submissionID`, it is safe to consider the submission as accepted.

**Endpoint:** `POST /status`

**Authentication:** Required (Basic Auth)

**Request Body:**

```
XML
{
  "Submissions": [<String>]
}
```

## Inquiry Submission Response

**Endpoint:** `POST /status`


Use this to retrieve the processing state of a previous submission.

**Response:**

```
JSON
{
  "Submissions": [
    {
      "SubmissionId": <String>,
      "Type": <String>,
      "Status": <String>,
      "Uploaded": <DateTime>
    }
  ]
}
```

**Response Statuses:**

Status	Description
PROCESSED	Successfully received and recorded.
NOTFOUND	No record exists for this submission ID. Verify the ID or contact ArchesHelp.
INPROGRESS	The file is currently being validated.

 **Pro-Tip: Store your Submission ID** Always save the `submissionID` in your local database immediately after a successful `POST /submit`. This ID is your permanent "receipt" and is **required** to use this inquiry function or to receive technical support.

# Error & Response Codes

The API uses standard HTTP response codes to indicate the success or failure of an API request.

- **200 OK:** Request was successful.
- **401 Unauthorized:** Invalid or missing credentials.
- **400 Bad Request:** Missing required fields or invalid `submissionType`.
- **404 Not Found:** The specific page requested could not be found.
- **500 Server Error:** An internal error occurred at USTC.

# Reference Tables

## Submission Type

API <b>submissionType</b>	Form Name / Decode	File Layout Reference
WS1099	1099	Publication 1220 / <a href="#">Utah Specs</a>
WS675R	TC-675R	<a href="#">Utah TC-675R Layout</a>
WS941E	TC-941E	<a href="#">Utah Withholding Layout</a>
WS941M	TC-941M	<a href="#">Utah Withholding Layout</a>
WS941	TC-941	<a href="#">Legacy Layout</a> (Tax years 2017 & before)
WS941R	TC-941R	<a href="#">Legacy Layout</a> (Tax years 2017 & before)
WSW2	W-2	EFW2 Standard / <a href="#">Utah Specs</a>
WSW2C	W-2C	EFW2C Standard / <a href="#">Utah Specs</a>

# Developer Integration Checklist

Follow these steps to integrate your software with the Withholding Web Service.

## 1. Request Credentials

- **Email ArchesHelp:** Send a request to [ArchesHelp@utah.gov](mailto:ArchesHelp@utah.gov) to obtain your **Test** and **Production** credentials.
- **Specify Access Level:** Indicate which form types (e.g., W-2, 1099) your software will be submitting.

## 2. Environment Setup

- **Whitelist IP Addresses:** (If applicable) Ensure your server's outbound IP is permitted to communicate with the Utah.gov domain.
- **Verify SSL/TLS:** Ensure your environment supports **TLS 1.2 or higher**. Requests made via older protocols (SSLv3, TLS 1.0) will be rejected.

## 3. Prepare Submission Files

- **Validate File Layout:** Ensure your file matches the specific layout requirements for the chosen `submissionType` (Refer to the [Withholding and Mineral Production Taxes File Layouts](#) guide).
- **Encode Content:** The API requires the file to be **Base64 encoded**. Ensure your code handles this conversion before building the XML request body.

## 4. Testing Phase (Stage)

- **Initial Authentication:** Perform a simple `POST` to the **Testing URL** to verify your Basic Auth credentials.
- **Submit Test File:** Send a sample file using each file type your system will transmit.
- **Email Arches Help:** Send an email with your `submissionID` to [ArchesHelp@utah.gov](mailto:ArchesHelp@utah.gov). They will manually process your request.
- **Poll for Status:** Capture the `submissionID` from the response and use the `/status` endpoint to confirm the file reached the `PROCESSED` state.

## 5. Go Live (Production)

- **Update Endpoints:** Switch your Base URL from the Stage environment to the **Production URL**.
- **Update Credentials:** Replace your test credentials with your production-level `Username` and `Password`.
- **Monitor Responses:** Implement logging for HTTP status codes (4xx/5xx) to quickly identify issues during the first live transmission.