



DSPS Act 211 Building Permit System Application Programming Interface (API)

IT third party systems like "IWorq" or "Safebuilt" can connect to the Wisconsin Department of Safety and Professional Services (DPS) eSLA system for purposes of reporting issuance of UDC permits by using a Web Service. This method allows setting up an electronic transfer of permit data between IT systems. Below is the Web Services Description Language (WSDL) for the eSLA System.

Web Services Description Language (WSDL):

For the most up to date WSDL please click [HERE](#). From the linked documentation, you can reference the availability of the web method "Submit:"

```
string Submit(string muniAccessKey, string permitData)
```

This web method takes two input parameters of literal/string data types and returns value of literal/string data type. Sample WSDL below.

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

```
<!--File PermitUploaderFull.wsdl, application eSLA_API_ACT211-->
```

```
<wsdl:definitions name="PermitUploader" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsx="http://schemas.xmlsoap.org/ws/2004/09/mex" xmlns:wsu="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
xmlns:wsw="http://www.w3.org/2006/05/addressing/wsdl"
xmlns:wsap="http://schemas.xmlsoap.org/ws/2004/08/addressing/policy"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"
xmlns:wsa10="http://www.w3.org/2005/08/addressing"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:tns="http://tempuri.org/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:mexc="http://schemas.microsoft.com/ws/2005/12/wsdl/contract" targetNamespace="http://tempuri.org/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"><wsdl:documentation><wsdl:appinfo
source="WMQI_APPINFO"><MRWSDLAppInfo imported="true"><generatedXSD
location="PermitUploaderFull_InlineSchema1.xsd"/><generatedXSD
location="PermitUploaderFull_InlineSchema2.xsd"/><binding name="BasicHttpBinding_IPermitUploader"
imported="true" originalBindingStyle="document"
hasEncoding="false"/></MRWSDLAppInfo></wsdl:appinfo></wsdl:documentation><wsdl:types><xs:schema
targetNamespace="http://tempuri.org/" elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema"><xs:include
schemaLocation="https://api.dsps.wisconsin.gov/buildingpermit/service/PermitUploader.svc?xsd=xsd0"/></xs:schem
a><xs:schema xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/"
```

```

targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/" elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema" attributeFormDefault="qualified"><xsd:include
schemaLocation="https://api.dsp.wisconsin.gov/buildingpermit/service/PermitUploader.svc?xsd=xsd1"/></xs:schem
a></wsdl:types><wsdl:message name="IPermitUploader_Submit_InputMessage"><wsdl:part name="parameters"
element="tns:Submit"/></wsdl:message><wsdl:message
name="IPermitUploader_Submit_OutputMessage"><wsdl:part name="parameters"
element="tns:SubmitResponse"/></wsdl:message><wsdl:portType name="IPermitUploader"><wsdl:operation
name="Submit"><wsdl:input wsaw:Action="http://tempuri.org/IPermitUploader/Submit"
message="tns:IPermitUploader_Submit_InputMessage"/><wsdl:output
wsaw:Action="http://tempuri.org/IPermitUploader/SubmitResponse"
message="tns:IPermitUploader_Submit_OutputMessage"/></wsdl:operation></wsdl:portType><wsdl:binding
type="tns:IPermitUploader" name="BasicHttpBinding_IPermitUploader"><soap:binding
transport="http://schemas.xmlsoap.org/soap/http"/><wsdl:operation name="Submit"><soap:operation
style="document" soapAction="http://tempuri.org/IPermitUploader/Submit"/><wsdl:input><soap:body
use="literal"/></wsdl:input><wsdl:output><soap:body
use="literal"/></wsdl:output></wsdl:operation></wsdl:binding><wsdl:service name="PermitUploader"><wsdl:port
name="BasicHttpBinding_IPermitUploader" binding="tns:BasicHttpBinding_IPermitUploader"><soap:address
location="https://api.dsp.wisconsin.gov/buildingpermit/service/PermitUploader.svc"/></wsdl:port></wsdl:service><
/wsdl:definitions>

```

NOTE: Per the [W3C](#), the ampersand character (&) and the left angle bracket (<) must not appear in their literal form (except when used as markup delimiters) or within a comment, a processing instruction, or a CDATA section. If they are needed elsewhere, they must be escaped using either numeric character references or the strings " & " and " < " respectively. The right angle bracket (>) may be represented using the string " > ", and must, for compatibility, be escaped using either " > " or a character reference when it appears in the string "]] > " in content, when that string is not marking the end of a CDATA section.

Input Parameters

- All Date related fields should be formatted in a common date format: mm/dd/yyyy
- If the Master Electrician credential information is for a Registered Master Electrician, use expiration date: 4/4/4000. Do not use the 4/4/4444 expiration date.
- All Email related fields should be formatted in a common email format (i.e. email@email.com). If no e-mail is available, enter: na@email.com.
- Do not use "N/A" for any required field denoted with (*).
- **MuniAccessKey** is a unique identifier and will be given to the municipality upon finishing the onboarding process with DSPS.
- **PermitData** is a "|" piped delimited literal/string of permit record. The following are the expected columns in the specified order (*The fields in Red marked with (*) are required in a permit upload attempt*):

Number	Field
1	Application No.
2	Parcel No.
3	Permit Requested (1=Constr, 2=HVAC, 3=Electric, 4=Plumbing) (*)
4	Owner's Name (*)
5	Owner's Street Address (*)
6	Owner's City (*)
7	Owner's Zip Code (*)
8	Owner's Email (*)
9	Owner's Telephone No. (Format: xxx-xxx-xxxx) (*)
10	Dwelling Contractor's Name (*)
11	Dwelling Contractor's License/Certification No. (*)
12	Dwelling Contractor's License/Certification No. Exp Date (Format: mm/dd/yyyy) (*)
13	Dwelling Contractor's Street Address (*)
14	Dwelling Contractor's City (*)
15	Dwelling Contractor's Zip code (*)
16	Dwelling Contractor's Telephone No. (Format: xxx-xxx-xxxx) (*)
17	Dwelling Contractor's Email (*)
18	Dwelling Contractor's Qualifier Name (*)
19	Dwelling Contractor Qualifier's License/Certification No. (*)
20	Dwelling Contractor Qualifier's License/Certification No. Exp Date (Format: mm/dd/yyyy) (*)
21	Dwelling Contractor Qualifier City (*)
22	Dwelling Contractor Qualifier Zip code (*)
23	Dwelling Contractor Qualifier Telephone No. (Format: xxx-xxx-xxxx) (*)
24	Dwelling Contractor Qualifier Email (*)
25	HVAC Name
26	HVAC License/Certification No.
27	HVAC License/Certification Exp Date (Format: mm/dd/yyyy)
28	HVAC Street Address
29	HVAC City
30	HVAC Zip code

31	HVAC Telephone No. (Format: xxx-xxx-xxxx)
32	HVAC Email
33	Electrical Name (*)
34	Electrical License/Certification No. (*)
35	Electrical License/Certification No. Exp Date (Format: mm/dd/yyyy) (*)
36	Electrical Street Address (*)
37	Electrical City (*)
38	Electrical Zip code (*)
39	Electrical Telephone No. (Format: xxx-xxx-xxxx) (*)
40	Electrical Email (*)
41	Master Electrician Name (*)
42	Master Electrician License/Certification No. (*)
43	Master Electrician License Expiration Date (Format: mm/dd/yyyy) (*)
44	Master Electrician Street Address (*)
45	Master Electrician City (*)
46	Master Electrician Zip code (5 digits) (*)
47	Master Electrician Telephone No. (Format: xxx-xxx-xxxx) (*)
48	Master Electrician Email (*)
49	Plumbing Name (*)
50	Plumbing License/Certification No. (*)
51	Plumbing License/Certification No. Exp Date (Format: mm/dd/yyyy) (*)
52	Plumbing Street Address (*)
53	Plumbing City (*)
54	Plumbing Zip code (*)
55	Plumbing Telephone No. (Format: xxx-xxx-xxxx) (*)
56	Plumbing Email (*)
57	Project Location Lot Area (Sq. ft.) (Only numbers allowed)
58	One acre or more of soil will be disturbed (0=No, 1=Yes)
59	Town/Village/City (1=Town, 2=Village, 3=City) TYPE (*)
60	Town/Village/City NAME (*)
61	_ 1/4, _ 1/4, of Section _, T_N, R_E/W
62	Building Street Address
63	Building City
64	Building Zip code
65	County
66	Subdivision Name
67	Lot No.
68	Block. No
69	Zoning District(s)
70	Zoning Permit No.
71	Setbacks: Front (ft.)
72	Setbacks: Rear (ft.)
73	Setbacks: Left (ft.)
74	Setbacks: Right (ft.)
75	Project (1=New, 2=Alteration, 3=Addition, 4=Repair, 5=Raze, 6=Move) (if New (1), no other project should be entered)(*)

76	Unfin. Bsmt Unit 1
77	Unfin. Bsmt Unit 2
78	Unfin. Bsmt Total
79	Living Area Unit 1
80	Living Area Unit 2
81	Living Area Total
82	Garage Unit 1
83	Garage Unit 2
84	Garage Total
85	Deck/Porch Unit 1
86	Deck/Porch Unit 2
87	Deck/Porch Total
88	Totals Unit 1
89	Totals Unit 2
90	Totals All
91	Occupancy (1=Single Family, 2=Two Family, 3=Garage, 4=Other)
92	Construction Type (1=Site Built, 2=Mfd. Per WI UDC, 3=Mfd. Per US HUD)
93	Stories (1=1-Story, 2=2-Story, 3=Plus Basement, 4=Other)
94	Electric Panel Amps
95	Electric (1=Underground, 2=Overhead)
96	Walls (1=Wood Frame, 2=Steel, 3=ICF, 4=Timber/Pole, 5=Other)
97	Use (1=Seasonal, 2=Permanent, 3=Other)
98	HVAC Equipment (1=Furnace, 2=Radiant Basebd, 3=Heat Pump, 4=Boiler, 5=Central AC, 6=Fireplace, 7=Other)
99	Sewer (1=Municipal, 2=Sanitary Permit)
100	Sanitary Permit Number
101	Water(1=Municipal, 2=On-Site Well)
102	Nat Gas Space Htg (Yes or No)
103	Nat Gas Water Htg (Yes or No)
104	LP Space Htg (Yes or No)
105	LP Water Htg (Yes or No)
106	Oil Space Htg (Yes or No)
107	Oil Water Htg (Yes or No)
108	Electric Space Htg (Yes or No)
109	Electric Water Htg (Yes or No)
110	Solid Space Htg (Yes or No)
111	Solid Water Htg (Yes or No)
112	Solar Geo Space Htg (Yes or No)
113	Solar Geo Water Htg (Yes or No)
114	Heat Loss (BTU/HR Total Calculated) (Only numbers allowed)
115	Est. Building Cost without Land (\$) (Only numbers allowed)
116	Applicant Name (*)
117	Applicant Sign Date
118	Applicant is Owner-Occupier (0=No, 1=Yes)
119	Approval Condition Remark

120	Issuing Jurisdiction: Town/Village/City/County/State (1=Town, 2=Village, 3=City, 4=County, 5=State) TYPE (*)
121	Issuing Jurisdiction: Town/Village/City/County/State NAME (*)
122	State-Contracted Inspection Agency#:
123	Municipality Number of Dwelling Location (*)
124	Plan Review Fee (\$)
125	Inspection Fee (\$)
126	WI Permit Seal Fee (\$)
127	Other Fee (\$)
128	Total Fees (\$)
129	Permits Issued (1=Construction, 2=HVAC, 3=Electrical, 4=Plumbing, 5=Erosion Control)
130	WI Permit Seal Number (Only numbers allowed)(*)
131	Permit Issued By: Name (*)
132	Permit Issued By: Date (Format mm-dd-yyyy) (*)
133	Permit Issued By: Telephone (Format: xxx-xxx-xxxx)
134	Permit Issued By: Certificate No.
135	Building Permit Number

Validation Messages

Reason	Validation Message
Success message	Permit Uploaded with Code: DIS-0000000
Captured during validation	Permit Type is required
Captured during validation	Permit Type option 5 or 6 and Project Type option 7 are not allowed
Captured during validation	Project Location Type and/or Name are required
Captured during validation	Missing Permit Issuer Name and/or Date
Captured during validation	Permit Issue Date has to be after Nov 2016
Captured during validation	Permit Issue Date cannot be in the future
Captured during validation	Missing Wisconsin Permit Seal Number
Captured during validation	Dwelling Contractor and Dwelling Contractor Qualifier information is required (<i>Unless Applicant is Owner-Occupier</i>)
Captured during validation	Owner information required
Captured during validation	Applicant Name required
Captured during validation	Municipality Not Found
Captured during validation	Municipality Number of Dwelling Location does not match
Captured during validation	Municipality account type not authorized
Captured during validation	Plumbing Contractor information is required (<i>if Plumbing Permit is Requested</i>)
Captured during validation	Electrical Contractor and Master Electrician information is required (<i>if Electrical Permit is Requested and Project Type is New</i>)
Captured during validation	Incorrect date format provided
Captured during validation	Missing mandatory information
Integration execution issue / Unhandled exception	Integration failed to retrieve the failure error, please contact the administrator for more details

Output Parameter

Return Value is a “|” piped delimited literal/string indicating either a successful or failed transaction along with the details. In the case of:

- Failed transfer attempt, “false” value in the first column is returned along with the detail message within the second column. Sample failure output below.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
3   <soapenv:Body>
4     <SubmitResponse>
5       <SubmitResult>returnValue=false|message=Missing Owner Info (Name,Address,City,Zip,Email and
6         Phone are required).</SubmitResult>
7     </SubmitResponse>
8   </soapenv:Body>
9 </soapenv:Envelope>
```

- Successful transfer attempt, “true” value in the first column is returned along with the detail message within the second column. Sample success message output below.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
3   <soapenv:Body>
4     <SubmitResponse>
5       <SubmitResult>returnValue=true|message=Permit Uploaded with Code: DIS-092134365</SubmitResult>
6     </SubmitResponse>
7   </soapenv:Body>
8 </soapenv:Envelope>
```

Production Setup

For a production setup, an onboarding step is required with DSPS staff. Please contact the agency at DPSSBUDCTech@wisconsin.gov or 608-266-2112 and receive the MuniAccessKey for production environment. **Note, if the municipality has registered and enrolled with DSPS in an electronic filing method prior to July 19, 2021, then there is no need for the municipality to re-register and enroll within the Online Building Permit System.**

Service URL: (application active since **July 19, 2021**)

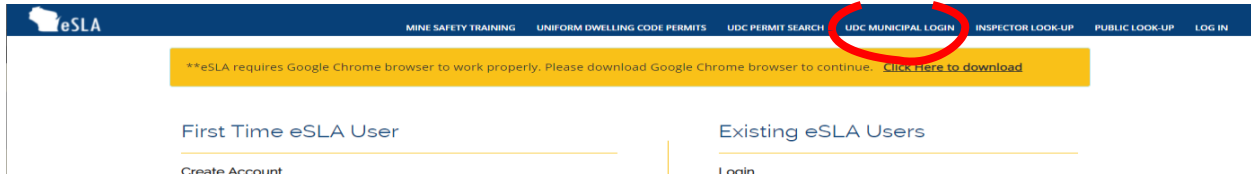
<https://api.dps.wisconsin.gov/buildingpermit/service/PermitUploader.svc>

Municipal Login URL: (application active since **July 19, 2021**)

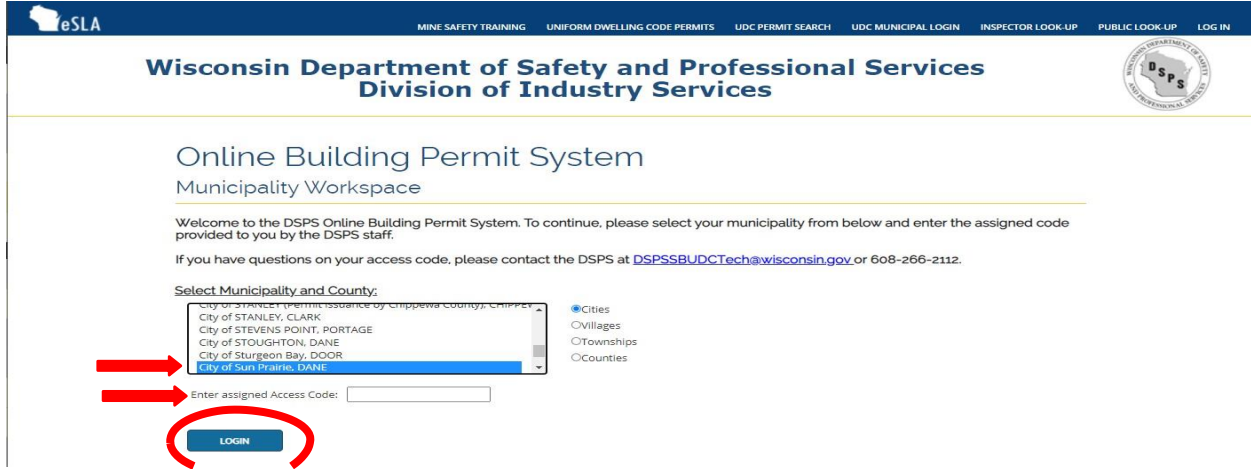
<https://esla.wi.gov/apex/municipalityloginportal>

Verifying the Data Transfer

Step 1: After submitting and approving/denying applications within your permitting system, login to the eSLA site.



Step 2: This is the Municipality Workspace. Select municipality and enter assigned access code.



Step 3: Add filters, otherwise select Search to search all permits. You should then see your submitted permits on this page.

**Wisconsin Department of Safety and Professional Services
Division of Industry Services**

Search Permit | Manage Settings | View FAQs | Log Out

Online Building Permit System

Municipality (City of ABBOTSFORD, MARATHON) Workspace - Muni Number (37201)

Navigate to another County
Select another Municipality

Permit Search Page

Please use the below search fields to locate permits associated with your municipality. The Online Building Permit System only saves submissions from the past three months. For more, please contact the DSPSSBUDCTech@wisconsin.gov or 608-266-2112. You can search across Permit Statuses which includes:

Filing : Permit Requester has started the permit application, but has not finished
 Received : Permit Requestor has completed the permit application and it is currently ready for Inspector review.
 Payment-Pending : Inspector has reviewed and approved the completed permit application but Permit Requester has not paid the applicable fees
 Submitted : Municipality has collected the fees from Permit Requester and printed the Card Stock (at this stage, the permit information has been submitted to the DSPS for compliance with 2015 Act 211).
 Denied : Inspector has denied the completed application.
 Deleted : Inspector has deleted the application.

Search Permit By

By Date: 01/06/2021 to 06/13/2021
 Status: Submitted
 Submitter:
 Filing No:

SEARCH DOWNLOAD CLEAR

Step 4: Click *Manage Permits* link to view a permit’s specific information.

Results

Search:

Filing Date	Status	Submitter	Contact Details	Project Type(s)	Permit Requested	Address	Card Stock	Filing Number	In Compliance?
Thu Jun 10 02:31:41 GMT 2021	Submitted	Sanjaev Koneru	nakoneru@deloitte.com (660) 528-5929	New	Construction HVAC, Electric, Plumbing, Erosion,			DIS-062121891	Y

Showing 1 to 1 of 1 entries

1 Next

Step 5: Verify permit information has been properly uploaded.

Wisconsin Department of Safety and Professional Services Division of Industry Services

Online Building Permit System

DELETE

VIEW ISSUE PAGE

CLICK HERE FOR PRINT

Below is the summary of the filed Permit by the Submitter. To edit, use the previous button to navigate thru sections of the permit application.

<< PREVIOUS

PROCEED TO APPROVAL PAGE

Permit is Approved. Close the window to exit this page.

JURISDICTION : City of ABBOTSFORD

PROJECT TYPE : New

PERMITS : Construction HVAC Electric

PARCEL NUMBER : 94-4445-1112

Owner