



Guide

# Validation Tables Business Unit API Guide for ADP WorkForce Now

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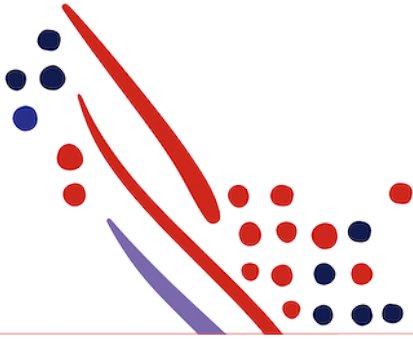
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# About the API

## Summary

The Validation Tables business unit APIs are used to Add or Retrieve business unit codes to/from the Validation Tables setup of an ADP WorkForce Now client.

## What's New in this Guide?

### April 2022

Updated API endpoints and samples to link to API explorer.

### July 2021

1. Changed "Is Required Y/N" from 'N' to 'Y' for below fields under **Data dictionary section of Chapter 3: Adding Business Unit codes to Validation Tables.**

- postal code
- address line one
- state/province
- city

2. Added an Issue 3 :Fields that are mandatory but are displayed optional in meta under Chapter 4: Known Issues and Limitations

## Supported Product Version and Customer Base

This is supported for US clients.

## Required Setup Steps

NA

## Process Overview

The following table illustrates the key data flow steps.

	Actor	Task Description
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1	Client Practitioner	Triggers the API-based data exchange between your application and ADP WorkForce Now.
2	Your Application	Adds or Retrieves Business Unit code details to/from the Validation Tables setup of an ADP WorkForce Now client.

## Postman Collection

Postman allows you to import a collection of APIs, created by others, so you can try them out. For more information on Postman, see [Making Your First API Call Using Postman](#).

To download API collections for the Validation Table Business unit API from the ADP GitHub library and import them to Postman, go to [POSTMAN COLLECTION](#)

## Chapter 2

# Use Case: Retrieving Business Units codes from Validation Tables

## Use Case Description

This use case returns a set of business unit codes that are setup in the **Setup > Tools > Validation Tables > Employment Profile > Corporate Groups > Business Units** section of an ADP WorkForce Now client.

API Explorer link- [Client Data Validation Table](#)

## API Usage

Method	Uniform Resource Identifier (URI)	Description	Note
GET	/hcm/v1/validation-tables/business-units	Retrieves all business unit codes setup for the client	
GET (meta)	/hcm/v1/validation-tables/meta?validationTableType=BusinessUnits&method=get	Retrieves GET meta information.	<ul style="list-style-type: none"> <li>The parameters validationTableType=BusinessUnits&amp;method=get are mandatory.</li> <li>This meta does not include subdivision codeList filter.</li> </ul>
GET (meta)	/hcm/v1/validation-tables/meta?validationTableType=BusinessUnits&method=get&\$filter=subdivisionCode eq '{countryCode}' EX:/hcm/v1/validation-tables/meta?validationTableType=BusinessUnits&method=get&\$filter=subdivision	Retrieves GET meta information based on subdivisionCode filter.	<ul style="list-style-type: none"> <li>Supported country codes:'US' and 'CA'</li> <li>These codes can be retrieved by calling "/hcm/v1/validation-</li> </ul>

	Code eq 'US'		tables/meta? validationTableType=Busi ness Units&method=post"
--	--------------	--	---

## Application Scope

The canonical URI corresponding to the Validation Table Business Unit API needs to be added in the Consumer Application Registry (CAR) for the subscription following which a user can access this API and make successful API calls.

The following canonical needs to be added to your application scope to enable this use case:

**/hcm/standardsInformationManagement/clientMasterDataManagement/validationTableManagement/businessUnits.items.read**

**/hcm/standardsInformationManagement/clientMasterDataManagement/validationTableManagement/validationTable.meta.read**

## Supported Actors

ADP APIs have built-in data entitlement and access control. The response contains data based on the **roleCode** parameter value in an API request. For example, a person could have two roles defined in an ADP application, a Practitioner who manages all employees, and an employee. Your application will use the practitioner **roleCode** to request the data as the Practitioner and the **roleCode** of the employee.

Request Parameter roleCode Value	Is Supported (Y/N)?	Usage
Practitioner	Y	Retrieves set of available business unit codes and its details.

## Request Header Parameters

None, in addition to the ADP standard header parameters.

## Sequence of Interactions

1. Your consumer application makes a request to the ADP API endpoint to GET Validation Table business unit codes of a ADP WorkForce Now client
2. The ADP endpoint responds to your consumer application with set of available business unit codes and its details.

## Data Dictionary

Resources listed in the following table can be accessed in the ADP Workforce Now user interface (UI) by selecting **Setup > Tools > Validation Tables > Employment Profile > Corporate Groups > Business Units**

Schema Location	Field Name	Notes
/nameCode/code	<b>Code</b>	
/nameCode/name	<b>Description(English US)</b>	
/customTags/tagCode		
/customTags/tagValues	<b>Auxillary 1</b> <b>Auxillary 2</b> <b>Auxillary 3</b> <b>Auxillary 4</b> <b>Auxillary 5</b>	
/contacts/personName/formattedName	<b>Contact Name</b>	
/contacts/address/countryCode	<b>Country</b>	
/contacts/address/lineOne	<b>Address Line 1</b>	
/contacts/address/lineTwo	<b>Address Line 2</b>	
/contacts/address/lineThree	<b>Address Line 3</b>	
/contacts/address/cityName	<b>City</b>	
/contacts/address/subdivisionCode/name	<b>Province</b>	
/contacts/address/postalCode	<b>Zip Code/Postal Code</b>	
/contacts/communication/emails/emailUri	<b>Email</b>	
/contacts/communication/landlines/access	<b>Phone Number</b>	
/contacts/communication/landlines/countryDialing	<b>Phone Number</b>	
/contacts/communication/landlines/areaDialing	<b>Phone Number</b>	
/contacts/communication/landlines/dialNumber	<b>Phone Number</b>	
/contacts/communication/faxes/access	<b>Fax Number</b>	



/contacts/communication/faxes/countryDialing	<b>Fax Number</b>	
/contacts/communication/faxes/areaDialing	<b>Fax Number</b>	
/contacts/communication/faxes/dialNumber	<b>Fax Number</b>	
inactiveIndicator	<b>Active</b>	

## Responses

You may encounter exceptions outside your common success scenarios. You must account for these exceptions during your initial development.

For more information, see [API Common Exceptions and Tips for Handling](#).

API Explorer link- [Client Data Validation Table](#)

Response Code	Condition	messageTxt	Tips to Handle
200 OK	Retrieving list of business unit codes setup for a client.		
404 Not Found	When an invalid API URI is used.	<pre>"applicationCode": {   "code": 404,   "typeCode": "error",   "message": "Canonical URI Not Found " }</pre>	Make sure you pass valid URI : <b>/hcm/v1/validation-tables/business-units</b>

## Chapter 3

# Use Case: Adding Business Unit codes to Validation Tables

## Use Case Description

This use case helps the user add Business Unit codes into the **Setup > Tools > Validation Tables > Employment Profile > Corporate Groups > Business Units** section of an ADP WorkForce Now client.

API Explorer link- [Client Data Validation Table](#)

## API Usage

Method	Uniform Resource Identifier (URI)	Description	Note

POST	/hcm/v1/validation-tables/business-units	Adds Business unit code into validation table	
GET	/hcm/v1/validation-tables/meta?validationTableType=BusinessUnits&method=post	Retrieves POST meta information	<ul style="list-style-type: none"> <li>The parameters "validationTableType=BusinessUnits&amp;method=post" are mandatory.</li> <li>This meta does not include subdivision codeList filter.</li> </ul>
GET	/hcm/v1/validation-tables/meta?validationTableType=BusinessUnits&method=post&\$filter=subdivisionCode eq '{countryCode}' EX: hcm/v1/validation-tables/meta?validationTableType=BusinessUnits&method=post&\$filter=subdivisionCode eq 'US'	Retrieves POST meta information along with supported sub division codes.	<ul style="list-style-type: none"> <li>Supported country codes: 'US' and 'CA'</li> <li>These codes can be retrieved by calling "/hcm/v1/validation-tables/meta?validationTableType=BusinessUnits&amp;method=post"</li> </ul>

## Application Scope

The following canonical needs to be added to your application scope to enable this use case:

**/hcm/standardsInformationManagement/clientMasterDataManagement/validationTableManagement/businessUnits.item.add**

**/hcm/standardsInformationManagement/clientMasterDataManagement/validationTableManagement/validationTable.meta.read**

## Supported Actors

ADP APIs have built-in data entitlement and access control. The response contains data based on the **roleCode** parameter value in an API request. For example, a person could have two roles defined in an ADP application, a Practitioner who manages all employees, and an employee. Your application will use the practitioner **roleCode** to request the data as the Practitioner and the **roleCode** of the employee.

Request Parameter <b>roleCode Value</b>	Is Supported (Y/N)?	Usage
Practitioner	Y	Adds a Business Unit code and its details into the validation tables

## Request Header Parameters

None, in addition to the ADP standard header parameters.

## Sequence of Interactions

1. Your consumer application makes a request to the ADP API endpoint for **/hcm/v1/validation-tables/meta?validationTableType=Business Units&method=post** or **/hcm/v1/validation-tables/meta?validationTableType=Business Units&method=post&\$filter=subdivisionCode eq '{countryCode}'**
2. The ADP API endpoint responds to your consumer application with the meta payload. Your consumer application processes the meta payload to validate data included in the payload in step 3 and prompts the user to fix any validation issues. Otherwise, compose the payload for the **POST /hcm/v1/validation-tables/business-units** request.
3. Your consumer application makes a **/hcm/v1/validation-tables/business-units** request the ADP API endpoint.
4. The ADP API endpoint responds to the consumer application concerning the details of **/hcm/v1/validation-tables/business-units**

## Data Dictionary

Resources listed in the following table can be accessed in the ADP Workforce Now user interface (UI) by selecting **Setup > Tools > Validation Tables > Employment Profile > Corporate Groups > Business Units**

Schema Location	Field Name	Is Required Y/N ?	Notes
/nameCode/code	<b>Code</b>	Y	
/nameCode/name	<b>Description(English US)</b>	Y	
/customTags/tagCode		N	
/customTags/tagValues	<b>Auxillary 1 Auxillary 2 Auxillary 3 Auxillary 4 Auxillary 5</b>	N	
/contacts/personName/formattedName	<b>Contact Name</b>	N	
/contacts/address/countryCode	<b>Country</b>	N	
/contacts/address/lineOne	<b>Address Line 1</b>	Y	
/contacts/address/lineTwo	<b>Address Line 2</b>	N	
/contacts/address/lineThree	<b>Address Line 3</b>	N	
/contacts/address/cityName	<b>City</b>	Y	
/contacts/address/subdivisionCode/name	<b>Province</b>	Y	

/contacts/address/postalCode	<b>Zip Code/Postal Code</b>	Y	
/contacts/communication/emails/emailUri	<b>Email</b>	N	
/contacts/communication/landlines/access	<b>Phone Number</b>	N	
/contacts/communication/landlines/countryDialing	<b>Phone Number</b>	N	
/contacts/communication/landlines/areaDialing	<b>Phone Number</b>	N	
/contacts/communication/landlines/dialNumber	<b>Phone Number</b>	N	
/contacts/communication/faxes/access	<b>Fax Number</b>	N	
/contacts/communication/faxes/countryDialing	<b>Fax Number</b>	N	
/contacts/communication/faxes/areaDialing	<b>Fax Number</b>	N	
/contacts/communication/faxes/dialNumber	<b>Fax Number</b>	N	
inactiveIndicator	<b>Active</b>	N	

## Responses

You may encounter exceptions outside your common success scenarios. You must account for these exceptions during your initial development.

For more information, see [API Common Exceptions and Tips for Handling](#).

API Explorer link- [Client Data Validation Table](#)

Response Code	Condition	messageTxt	Tips to Handle
Response Code	Condition	messageTxt	Tips to Handle
200 OK	Adding a Business unit into validation table.	NA	
400 Bad request	Adding an already existing business unit into validation table	"message": "This record already exists. Enter a unique value.",	
400 Bad request	Add business unit with invalid tagCode	"message": "customTags/tagCode Auxiliary 1 is invalid.",	

400 Bad request	Add business unit without nameCode	"message": "/nameCode/code is required.",	
400 Bad request	Adding business unit code with invalid subdivision code.	"message": "Label not found, missing following key: label_personal_state_province is invalid.",	
400 Bad request	Add business unit with invalid email	s must be in the format name@company.domain and may not contain diacritical symbols. Examples of diacritical symbols include the accent (á), caret (^), tilde (~), and so forth.", "contextType": "GLOBAL", "errorCode": "eMailAddressFormat" } ],	
	Add business unit without postal code	"message": "Zip Code is required.",	
	Add business unit with invalid postal code	"message": "Enter a valid U.S. Zip code.",	
	Add business unit without line one	"message": "Address Line 1, City, State/Province and Zip Code/Postal Code are required when the country is the U.S. or Canada.",	
	Add business unit without landline/name code	"message": "/landlines/nameCode/code is required.",	
500 Internal server error	Adding business unit with invalid country code.	"developerMessage": "could not find any system type for code:CIA and category :T_SYS_TRANS_ISO_COUNTRY and userLocale:en_US",	

## Chapter 4

# Known Issues and Limitations

Issue 1: When invalid country code is passed API throws **"500 Internal server error"**.

## Impacted APIs

Method	URI	roleCode
POST	/hcm/v1/validation-tables/business-units	Practitioner

## Issue Description

When invalid country code is passed API throws **"500 Internal server error"** . Please check the developer message in the API response.

## Suggested Workaround

To check the developer message displayed in the response and pass valid country code mentioned in the meta information.

Issue 2: When country code other than 'US' and 'CA' and passed in meta for subdivision codes. API throws **"500 Internal server error"**.

## Impacted APIs

Method	URI	roleCode
GET	hcm/v1/validation-tables/meta?validationTableType=Business Units&method=post&\$filter=subdivisionCode eq 'CA'	Practitioner
GET	hcm/v1/validation-tables/meta?validationTableType=Business Units&method=get&\$filter=subdivisionCode eq 'CA'	Practitioner

## Issue Description

- US' and 'CA' are the only supported country codes that has a list of associated subdivision codes. These codes can be retrieved by calling `"/hcm/v1/validation-tables/meta?validationTableType=Business Units&method=get"`
- Other than 'US' and 'CA' if any other country code is passed API will throw "500 Internal server" error.

## Suggested Workaround

NA

Issue 3: Fields that are mandatory but are displayed optional in meta

## Impacted APIs

Method	URI	roleCode
--------	-----	----------

GET	hcm/v1/validation-tables/meta?validationTableType=Business Units&method=post	Practitioner
POST	/hcm/v1/validation-tables/business-units	Practitioner

## Issue Description

Below fields are displayed as optional in meta but are actually mandatory.

- postal code
- address line one
- state/province
- city

## Suggested Workaround

NA

WFNWATERVI-45923: Meta response does not include personName related schema.

## Impacted APIs

Method	URI	roleCode
GET	hcm/v1/validation-tables/meta?validationTableType=Business Units&method=get	Practitioner
GET	hcm/v1/validation-tables/meta?validationTableType=Business Units&method=post	Practitioner

## Issue Description

Both GET and POST meta does not include personName related schema in API response.

## Suggested Workaround

To use the payload given in the API Usage section and check the data dictionary section.

Issue 4: Meta response does not include subdivision code filter URI .

## Impacted APIs

Method	URI	roleCode
GET	hcm/v1/validation-tables/meta?validationTableType=BusinessUnits&method=get	Practitioner
GET	hcm/v1/validation-tables/meta?validationTableType=BusinessUnits&method=post	Practitioner

## Issue Description

Meta response does not include subdivision code filter URI . Refer API usage section in Chapter 2 and Chapter 3 for filter URI details.

## Suggested Workaround

NA

Issue 5: Event Notifications are not supported.

## Impacted APIs

Method	URI	roleCode
POST	/hcm/v1/validation-tables/business-units	Practitioner
GET	/hcm/v1/validation-tables/business-units	Practitioner

## Issue Description



Event Notifications are not supported for validation table business unit API and UI changes.

## Suggested Workaround

NA