



VPS Appointment Scheduling REST API Specification

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1.1

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Revision History

Versio n	Date	Change Description	Author
1.0	12//2017	Original Version –Supporting only Appointment scheduling availability and reservation.	Verizon IT
1.1	06/2018	Removed ITW reference from specification	Verizon IT

1. Definition of Terms

The terms in the table below are used throughout this document and are defined for clarity.

Term	Definition
REST	Representational State Transfer
API	Application Program Interface
FTTI	Fiber to the internet
DSL	Digital Subscriber Line
Rest API	System to System interface. In this case, the system interfaces between the Customer and Verizon using REST API over https.
Verizon	Throughout the document, “Verizon” refers to “Verizon VPS”
WS	Web service
JSON	JavaScript Object Notation
VPS	Verizon Partner Solution aka VPS
CLEC	Competitive local exchange carrier

2. Introduction

This document addresses the Interface specification for VPS offered products Appointment Scheduling REST API. The appointment scheduling API provides a standardized mechanism to book an appointment date and time real time with all the necessary appointment based on product category.

The appointment Scheduling API offers following functionality:

- Retrieve available appointment date and time.
- Reserve appointment date and time.
- Retrieve reserved appointment. (Not currently available via API, future enhancement)
- Cancel reserved appointment. (Not currently available via API, future enhancement)
- Reschedule appointment. (Not currently available via API, future enhancement)

Note: Customer must submit order within 1 hour or requested scheduled date/time will automatically be canceled

Services published by Verizon

1. **VPS Appointment Scheduling Service** – Verizon will publish this service for customer to book an appointment date and time real time with all the necessary appointment based on product category by address. This service will support REST API real time synchronous call.

2.1. Background

Verizon's VPS B2B platform is an End-to-End integrated solution that will support Presale REST API for VPS products.

Verizon's REST API Process:-

1. Requests must be encoded
2. The http Header must present following two (2) elements
 - a) CC– “Company code” three character Company code as registered in FTTH contract
Example CC -> “XXX”
 - b) authType– → Authorization type
Example authType → “OAUTH”.

2.2. Document Intent and Purpose

This document provides the definition of the REST API that will be used by VPS customers to book an appointment date and time real time in Verizon VPS. This document will highlight the following:-

- REST API Service Description and example JSON request and response (section 3.6)
- Error Codes and Response Codes (section 3.12)

3. Interface Design Specifications

3.1. Interface Flow

VPS client calls “appointmentScheduling” service.

If the message is accepted, response is sent back synchronously.

If the message is rejected, Rejection message is returned back.

If there is an issue with service, an Exception message is returned back.

3.2. REST API Clients

The clients for the REST API described in this document are for VPS customers. Clients should use REST API implementation and follow the standards and protocols.

3.3. Protocols / Mechanisms

Protocol: REST/JSON encoded messages sent via HTTPS

Mechanism: Client sends a JSON message and receives JSON message over https.

3.4. Performance Requirements

Up Time

- All the services published by Verizon will be up 24/7 except during scheduled maintenance.
- VPS API customers will be notified of all scheduled maintenances.

3.5. Error Handling

If connectivity cannot be established to the Verizon appointment scheduling service, the client will receive an exception message. On successful connectivity to the REST API, clients should check the sync response. The sync response will be consists of appointment scheduling details and error information if the message is accepted. The sync response will be an exception if the message is not accepted. The exception should describe the error in detail. Refer to “3.6.1.1” for example success and rejection messages.

3.6. Supported Services

3.6.1. Verizon VPS Appointment Scheduling service.

Service name : Verizon VPS Appointment Scheduling Service

REST API:

Method	URI
POST	/appointmentScheduling

Backward Compatibility: NA

3.6.1.1. Method: POST

Usage: This method supports the “Sync” way of processing the Appointment scheduling Service request. This method will be used by the VPS clients to send an appointment scheduling request by address r to Verizon for the products identified in this document. If the Request is accepted, a response with qualified products information is sent back. If the request is rejected, an error message is sent back.

Sequence:

- Client calls the http “post” method of the service.
- Verizon will check FTTH contract.
- Verizon will check REST API transaction daily limit. 'A daily transaction limit has been set to 5,000 per customer. Requests for increased limits should be made to your account manager.
- Verizon will validate the message for required fields.
- Verizon processes the appointment Scheduling request.
- Verizon sends response with available/reservation appointment date and time details.

The “[Products Supported](#)” section lists the Products supported in this interface. Also this section provides more details on the features and specifications for each product.

The “[Functions Supported](#)” section details the functions (Transaction types) supported by this interface.

Input Parameters: VPS clients will call the http “Post” method with the following parameters:

Method	URI
POST	/ appointmentScheduling

JSON Request Format:

HTTP Header

```
POST / HTTP/1.1
Content-Type: application/json;charset=UTF-8
Host :application.endpoint
Content-Length :
Accept : application/json
Accept-Charset : utf-8
```

Request Body Syntax

JSON request

```
{
  "messageId": "string",
  "interactionDate": "string",
  "companyCode": "string",
  "stateOrProvince": "string",
  "lineOfBusiness": "string",
  "appointmentType": "string",
  "productCategory": "string",
  "orderType": "string",

  "address": {
    "addressId": "string",
    "houseNumber": "string",
    "houseNumberSuffix": "string",
    "streetPrefix": "string",
    "streetName": "string",
    "streetSuffix": "string",
    "thoroughfare": "string",
    "unitType": "string",
    "unitValue": "string",
    "elevationType": "string",
    "elevationValue": "string",
```

```

    "structureType": "string",
    "structureValue": "string",
    "city": "string",
    "stateOrProvince": "string",
    "zipCode": "string",
    "latitude": "string",
    "longitude": "string"
  },
  "appointment": {
    "appointmentDate": "string",
    "appointmentTime": "string",
    "startDate": "string",
    "endDate": "string"
  },
  "product": {
    "data": {
      "speed": "string",
      "typeOfData": "string",
      "termsOfService": "string",
      "numberOfIPS": "string"
    }
  }
}

```

Input Appointment Scheduling Availability JSON representation example:

HTTP Header

CC: XXX

authType: OAUTH

```

{
  "messageId": "restAPIAppointment123",
  "interactionDate": "20171129",
  "companyCode": "ABC",
  "stateOrProvince": "VA",
  "lineOfBusiness": "Consumer",
  "appointmentType": "Availability",
  "productCategory": "FTTI",
  "orderType": "New",
  "address": {
    "addressId": "",
    "houseNumber": "12002",
    "houseNumberSuffix": "",
    "streetPrefix": "",
    "streetName": "ROCKAWAY",
    "streetSuffix": "",
    "thoroughfare": "CT",
    "unitType": "",
    "unitValue": "",
    "elevationType": "",
    "elevationValue": "",
    "structureType": "",
    "structureValue": ""
  }
}

```

```

    "city":"SPOTSYLVANIA",
    "zipCode":"22553",
    "latitude": "",
    "longitude": ""
  },
  "appointment":{
    "appointmentDate": "",
    "appointmentTime": "",
    "startDate": "",
    "endDate": ""
  },
  "product":{
    "data":{
      "speed": "",
      "typeOfData": "",
      "termsOfService": "",
      "numberOfIPS": ""
    }
  }
}

```

Input Appointment Scheduling Reservation JSON representation example:

HTTP Header

CC: XXX

authType: OAUTH

```

{
  "messageId":"restapitest1lllf",
  "interactionDate":"20171129",
  "companyCode":"ABC",
  "stateOrProvince":"VA",
  "lineOfBusiness":"Business",
  "appointmentType":"Reservation",
  "productCategory":"FTTI",
  "orderType":"New",
  "address":{
    "addressId": "",
    "houseNumber":"12002",
    "houseNumberSuffix": "",
    "streetPrefix": "",
    "streetName":"ROCKAWAY",
    "streetSuffix": "",
    "thoroughfare":"CT",
    "unitType": "",
    "unitValue": "",
    "elevationType": "",
    "elevationValue": "",
    "structureType": "",
    "structureValue": "",
    "city":"SPOTSYLVANIA",
    "zipCode":"22553",
    "latitude": "",
    "longitude": ""
  },
  "appointment":{

```



```

"appointmentDate": "01-02-2018",
"appointmentTime": "08:00-10:00"
},
"product": {
  "data": {
    "speed": "",
    "typeOfData": "",
    "termsOfService": "",
    "numberOfIPS": ""
  }
}
}
}

```

Request object

Field Name	Type	Required/Optional	Description
messageId	String	Required	A string that represents a unique message identifier for the user who made the request. The length of this identifier can vary, but is never more than 40 characters.
interactionDate	String	Required	This field is used to identify the date and time the request was sent. correct date and time format (CCYYMMDD HH:MM:SS:NNN)
companyCode	String	Required	Company code will be used to determine whether CLEC have signed contract for FTTH product. Three character AECN from FTTH contract info
stateOrProvince	String	Required	Abbreviated state name. Valid values are : VA,PA,NJ,DE,MA,NY ,DC,CT,RI,MD
lineOfBusiness	String	Required	This field is used to identify the Line of Business from the request. Valid values : Business, Residential
appointmentType	String	Required	This field is used to identify the type of appointment from the request. Valid values : Availability, Reservation ,Retrieve, Reschedule and Cancel Availability: To check available appointment date and time Reservation: To reserve appointment date and time Retrieve : To retrieve reserved appointment date and time/(Not currently available via API, future enhancement) Reschedule : To reschedule reserved appointment(Not currently available via API, future enhancement) Cancel: To cancel appointment(Not currently available via API, future enhancement)
productCategory	String	Required	This field is used to identify the product from the request. Valid value : FTTH

Field Name	Type	Required/Optional	Description
orderType	String	Required	This field is used to identify the OrderType sent in the request. Valid value of ordertype is New. New: New install or new connect
address		Required	
addressId	String	Optional	addressId is unique address identifier assigned by Verizon for location address.
houseNumber	String	Required	The House Number is the street number for a service location. House Number field maximum length is 10
houseNumberSuffix	String	Optional	The House Number Suffix contains any portion of the street number for a service location having any special characters that are not allowed as part of the House Number.in
streetPrefix	String	Optional	The abbreviated directional prefix for a street. Valid values are N, S, E, W, NE, NW, SE, SW.
streetName	String	Required	The street name, excluding any directional prefixes or suffixes.
streetSuffix	String	Optional	The abbreviated directional suffix for a street. Valid values are N, S, E, W, NE, NW, SE, SW.
thoroughfare	String	Optional	The abbreviated thoroughfare for a street. Examples of valid values include AV for Avenue, APT for Apartment, HWY for Highway, etc. Refer Appendix A :Table A
unitType	String	Optional	Unit type for a building having multiple apartments. Unit Type: Refer Appendix A :Table B
unitValue	String	Optional	Unit value for a building having multiple apartments.
elevationType	String	Optional	Elevation type for a building having multiple floors. Elevation Type: Refer Appendix A :Table C
elevationValue	String	Optional	Elevation values for a building having multiple floors.
structureType	String	Optional	Structure type for a basic service location having multiple structures, such as an apartment complex. Refer Appendix A :Table D
structureValue	String	Optional	Structure value for a basic service location having multiple structures, such as an apartment complex.

Field Name	Type	Required/Optional	Description
city	String	Optional	Community Name
zipCode	String	Optional	ZipCode. - Entering a zip code will provide a better search result
latitude	String	Optional	This field is used to identify the latitude of the location address.
longitude	String	Optional	This field is used to identify the longitude of the address.
appointment		Conditional	
appointmentDate	String	Conditional	This field is to identify the appointment requested Date. appointmentDate is required when appointmentType value is 'Reservation' appointmentDate is optional when appointmentType value is 'Availability'. If there is no appointmentDate populated for appointmentType 'Availability' interface would return 30 days range available dates and time slot from current date plus 1 (i.e. next day) for residential and 45 days for business. Valid format is :MM-DD-YYYY example (01-02-2018)
appointmentTime	String	Conditional	This field is to identify the appointment requested time . appointmentTime is required when appointmentType value is 'Reservation' appointmentTime is not required to populate in request when appointmentType value is 'Availability'. For appointmentType 'Availability' interface would return 30 days range available dates and time slot from current date plus 1 (i.e. next day) for residential and 45 days for business. Valid format is hh:mm- hh:mm (example – 08:00-10:00)
startDate	String	Optional	This field is to identify the appointment requested start Date range search Valid format is :MM-DD-YYYY example (01-02-2018)

Field Name	Type	Required/Optional	Description
endDate	String	Optional	This field is to identify the appointment requested end Date range search Valid format is :MM-DD-YYYY example (01-04-2018)
product		Optional	The product group is to gather information related to product
data		Optional	The data group is to gather information for data service
speed	String	Optional	This field is used to identify the input speed ordered for data service from the request. Valid values for Business: 25/25 MBPS,50/50 MBPS,75/75 MBPS,150/150 MBPS,300/300 MBPS,500/500 MBPS Valid values for Residential : 50/50 MBPS,100/100MBPS
typeOfData	String	Optional	This field is used to identify Type of data ordered from the request. Valid values : Static,Dynamic
termsOfService	String	Optional	This field is used to identify Terms of Service from the request. Valid values : Month to Month, 2yr Agreement
numberOfIPS	String	Optional	This field is used to identify number of IP's requested in the case of Static IP related orders Valid values : 1,5,13

JSON Response Format

HTTP Header

POST / HTTP/1.1

Content-Type : application/json;charset=UTF-8

Host:

Content-Length :

Accept : application/json

Accept-Charset : utf-8

Response Body Syntax

VPS Appointment Scheduling JSON response

```
{
  "messageId": "string",
  "interactionDate": "string",
  "companyCode": "string",
  "stateOrProvince": "string",
  "lineOfBusiness" : "string",
  "appointmentType" : "string",
```

```

"productCategory" : "string",
"orderType" : "string",
"errors": [
  {
    "code": "string",
    "detail": "string"
  }
]
"address": {
  "addressId": "string",
  "houseNumber": "string",
  "houseNumberSuffix": "string",
  "streetPrefix": "string",
  "streetName": "string",
  "streetSuffix": "string",
  "thoroughfare": "string",
  "unitType": "string",
  "unitValue": "string",
  "elevationType": "string",
  "elevationValue": "string",
  "structureType": "string",
  "structureValue": "string",
  "city": "string",
  "zipCode": "string",
  "latitude": "string",
  "longitude": "string"
},
"availableAppointments" : {
  "dateTime" : [
    "string"
  ]
},
"reserverdAppointment": {
  "appointmentDate": "string",
  "appointmentTime": "string",
  "reservationIdentifier": "string"
},
"product":{
  "data":{
    "speed": "",
    "typeOfData": "",
    "termsOfService": "",
    "numberOfIPS": ""
  }
}
}

```

Available dates and appointment JSON representation example:

http status code : 200

Content-Type: application/json

```
{
```

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```

"messageId" : "restapitest1ff",
"interactionDate" : "20171209093503",
"companyCode" : "ABC",
"stateOrProvince" : "VA",
"appointmentType" : "Availability",
"productCategory" : "FTTI",
"errors" : null,
"address" : {
  "addressId" : "55443343.00000000",
  "houseNumber" : "12002",
  "houseNumberSuffix" : " ",
  "streetPrefix" : " ",
  "streetName" : "ROCKAWAY",
  "streetSuffix" : " ",
  "thoroughfare" : "CT",
  "unitType" : " ",
  "unitValue" : " ",
  "elevationType" : " ",
  "elevationValue" : " ",
  "structureType" : " ",
  "structureValue" : " ",
  "city" : "SPOTSYLVANIA",
  "zipCode" : "22553",
  "latitude" : null,
  "longitude" : null
},
"availableAppointments" : {
  "dateTime" :
[
"01-02-2018T08:00-10:00",
"01-02-2018T10:00-12:00",
"01-02-2018T13:00-15:00",
"01-02-2018T14:00-16:00",
"01-02-2018T15:00-17:00",
"01-03-2018T08:00-10:00",
"01-03-2018T10:00-12:00",
"01-03-2018T13:00-15:00",
"01-03-2018T14:00-16:00",
"01-03-2018T15:00-17:00",
"01-04-2018T08:00-10:00",
"01-04-2018T10:00-12:00",
"01-04-2018T13:00-15:00",
"01-04-2018T14:00-16:00",
"01-04-2018T15:00-17:00"
]
},
"reserverdAppointment" : null
}

```

Reserved date and appointment JSON representation example:

http status code : 200

Content-Type: application/json

```
{
```

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```
"messageId": "restapitest1lllf",
"interactionDate": "20171214011357",
"companyCode": "ABC",
"stateOrProvince": "VA",
"appointmentType": "Reservation",
"productCategory": "FTTI",
"address": {
  "addressId": "",
  "houseNumber": "12002",
  "houseNumberSuffix": "",
  "streetPrefix": "",
  "streetName": "ROCKAWAY",
  "streetSuffix": "",
  "thoroughfare": "CT",
  "unitType": "",
  "unitValue": "",
  "elevationType": "",
  "elevationValue": "",
  "structureType": "",
  "structureValue": "",
  "city": "SPOTSYLVANIA",
  "zipCode": "22553",
  "latitude": "string",
  "longitude": "string"
},
"reserverdAppointment": {
  "appointmentDate": "01-02-2018",
  "appointmentTime": "08:00-10:00",
  "reservationIdentifier": "VA20197960"
}
}
```

Error response for input address /WTN response JSON representation example:

http status code : 200

Content-Type: application/json

```
{
```

```

"messageId": "GRT123456",

"interactionDate": "20170117 09:22:38:545",

"companyCode": "ABC",

"errors": [

{

"code": "217",

"detail": "FTTI contract required to access Presale service qualification API interface"

}

]

}

```

Response object

Field Name	Type	Required/Optional	Description
messageId	String	Required	A string that represents a unique message identifier for the user who made the request. The length of this identifier can vary, but is never more than 40 characters. Return input messageId value in response.
interactionDate	String	Required	This field is used to identify the date and time the request was sent to client.. correct date and time format (CCYYMMDD HH:MM:SS:NNN)

Field Name	Type	Required/Optional	Description
companyCode	String	Required	Company code will be used to determine whether CLEC have signed contract for FTTH product. Three character AECN from FTTH contract info. Return input companyCode value in response.
stateOrProvince	String	Required	Abbreviated state name. Valid values are : VA,PA,NJ,DE,MA,NY ,DC,CT,RI,MD Return input stateOrProvince value in response
lineOfBusiness	String	Required	This field is used to identify the Line of Business from the request. Valid values : Business, Residential Return input lineOfBusiness value in response
appointmentType	String	Required	This field is used to identify the type of appointment from the request Return input appointmentType value in response
productCategory	String	Required	This field is used to identify the product from the request. Valid value : FTTH Return input productCategory value in response
orderType	String	Required	This field is used to identify the OrderType sent in the request Valid value of ordertype is New. New: New install or new connect Return input orderType value in response
error	Array	Optional	Identifies application-specific code representing the type of problem encountered
code	String	Optional	Unique code assigned to which is specific to the particular instance of the problem
detail	String	Optional	detail identifies specific to the occurrence of the problem
address		Optional	
addressId	String	Optional	Uniquely identifies a service location.
houseNumber	String	Optional	The House Number is the street number for a service location. House Number field maximum length is 10
houseNumberSuffix	String	Optional	The House Number Suffix contains any portion of the street number for a service location having any special characters that are not allowed as part of the House Number.in
streetPrefix	String	Optional	The abbreviated directional prefix for a street. Valid values are N, S, E, W, NE, NW, SE, SW.
streetName	String	Optional	The street name, excluding any directional prefixes or suffixes.
streetSuffix	String	Optional	The abbreviated directional suffix for a street.

Field Name	Type	Required/Optional	Description
			Valid values are N, S, E, W, NE, NW, SE, SW.
thoroughfare	String	Optional	The abbreviated thoroughfare for a street. Examples of valid values include AV for Avenue, APT for Apartment, HWY for Highway, etc.
unitType	String	Optional	Unit type for a building having multiple apartments.
unitValue	String	Optional	Unit value for a building having multiple apartments.
elevationType	String	Optional	Elevation type for a building having multiple floors. Elevation Type:
elevationValue	String	Optional	Elevation values for a building having multiple floors.
structureType	String	Optional	Structure type for a basic service location having multiple structures, such as an apartment complex.
structureValue	String	Optional	Structure value for a basic service location having multiple structures, such as an apartment complex.
city	String	Required	Community Name
zipCode	String	Optional	ZipCode
latitude	String	Optional	This field is used to identify the latitude of the location address.
longitude	String	Optional	This field is used to identify the longitude of the address.
availableAppointments		Optional	This field is to identify available dates and time slot
dateTime	Array String	Optional	dateTime field return available date and time slots. Valid format :MM-DD-YYYYThh:mm- hh:mm Example : "01-02-2018T08:00-10:00", "01-02-2018T10:00-12:00",
reserverdAppointment		Optional	reserverdAppointment field is to identify reserved appointment and time slot.
appointmentDate	String	Optional	appointmentDate field is to identify reserved appointment date Valid format :MM-DD-YYYY
appointmentTime	String	Optional	appointmentTime field is to identify reserved appointment time slot. Valid format is hh:mm- hh:mm (eg – 08:00-10:00)

Field Name	Type	Required/Optional	Description
reservationIdentifier	String	Optional	reservationIdentifier field is to identify unique reservation identifier for reserved appointment date and time slot. Reserved appointment date , time and reservationIdentifier through API will be passed in Service order API

3.7. Products Supported

3.7.1. Appointment Scheduling Services:

Products: FTTI

3.8. Functions Supported

- Broadband product appointment availability and reservation.

3.9. ERROR Responses

NOTE: These are the possible Error Codes /Detail info that will be sent in the Response from VPS Verizon.

Appointment scheduling REST API error mapping table:

Code	Detail
200	Close match address found. Validate address before submitting appointment scheduling API request
201	Location address not qualified for FTTI
202	Range addresses found. Validate address before submitting appointment scheduling API request
203	houseNumber, streetName, city and state must be populated.
204	Address not found
205	System exception occurred. Please try again later.
206	Appointment time is not available for the selected time slots
207	Company Code is required in input
208	No valid City , Zip Code provided
109	Invalid input JSON format.
210	Service not available in state provided.
211	AppointmentDate cannot be before the current date
212	Requested appointment Date is not Available.RequestedDate is earlier than first available date of MM/DD/YYYY
213	Appointment Date and Time - is required for Reservation
214	ProductCategory is required. Valid value is FTTL.
215	AppointmentType is required. Valid values are Availability ,Reservation and Retrieve

216	LineOfBusiness is required. Valid values are Business and Residential
217	FTTI contract required to access Appointment scheduling API interface
218	Appointment start and end date search range should be within 15 days
219	Reservation Identifier not found

3.10 Assumptions

- Prior to gaining access to the VPS Broadband Presale service REST API, Customer must have an executed FTTI contract with Verizon associated with the services.

4 Ownership

Development

Verizon will be responsible for the following:

- Developing and exposing the following REST API's :

VPS Appointment Scheduling Service.

- Interact with VPS teams for questions / answer

REST API clients (customer using the Verizon's Appointment Scheduling services) will be responsible for the following:

- Design, Code and Unit test the capability to call the Verizon Services that the customer would like to use.
- Interact with the Verizon VPS Support team for question / answer about testing

4.10 Ownership: Testing

Verizon will be responsible for the following:

- Non-Prod version of the service available for Testing :
 - Verizon VPS Appointment Scheduling Service.
- Interact with VPS REST API clients for any issues during the Testing phase

4.11 Ownership: Production

Verizon will be responsible for the following:

- Production version of the service available in production environment:
 - Verizon VPS Preorder (Presale) Service.
 - Monitoring.
 - Issue Resolution.

5.0 Appendix:**A: East Thoroughfare, Unit, Structure and Elevation****Table A: Thoroughfare**

Abbreviation	Description
ALY	ALLEY
ANX	ANNEX
APT	APARTMENT
ARC	ARCADE
AV	AVENUE
BDWK	BOARDWALK
BLDG	BUILDING
BLF	BLUFF
BLK	BLOCK
BLVD	BOULEVARD
BYPSS	BYPASS
CIR	CIRCLE
CLDSC	CUL-DE-SAC
CONC	CONCOURSE
CP	CAMP
CRES	CRESCENT
CRK	CREEK
CRS	CROSSING
CRSE	COURSE
CSWY	CAUSEWAY
CT	COURT
CTHSE	COURTHOUSE
CTR	CENTER
CTS	COURTS
CULDESAC	CULDESAC
CV	COVE
DEP	DEPOT
DIST	DISTRICT
DR	DRIVE
DWY	DRIVEWAY
ESPLND	ESPLANADE
EST	ESTATE
EXPWY	EXPRESSWAY
EXT	EXTENSION
FL	FIELD
FLDS	FIELDS
FLT	FLAT
FLTS	FLATS
FRD	FORD
FRG	FORGE
FRK	FORK
FRKS	FORKS

FRST	FOREST
FRWY	FREEWAY
FT	FORT
GDN	GARDEN
GDNS	GARDENS
GLN	GLEN
GRN	GREEN
GRV	GROVE
GTWY	GATEWAY
HBR	HARBOR
HL	HILL
HLS	HILLS
HOLW	HOLLOW
HSE	HOUSE
HTS	HEIGHTS
HWY	HIGHWAY
INL	INLET
INT	INTERSTATE
ISL	ISLAND
JCTN	JUNCTION
LDG	LODGE
LK	LAKE
LN	LANE
LNDG	LANDING
LOOP	LOOP
MD	MEADOW
MDWS	MEADOWS
MKT	MARKET
MNR	MANOR
NK	NECK
NR	NEAR
PASS	PASS
PD	POND
PIER	PIER
PK	PARK
PKE	PIKE
PKWY	PARKWAY
PL	PLACE
PLZ	PLAZA
PR	PRAIRIE
PROM	PROMENADE
PRT	PORT
PT	POINT
RD	ROAD
RDG	RIDGE
RDWY	ROADWAY
RNCH	RANCH
RNCHS	RANCHES
ROW	ROW
RPD	RAPID
RPDS	RAPIDS
RST	REST
RT	ROUTE
RUN	RUN

SHL	SHOAL
SHLS	SHOALS
SPG	SPRING
SPGS	SPRINGS
SQ	SQUARE
ST	STREET
STA	STATION
STRM	STREAM
TERM	TERMINAL
TERR	TERRACE
THRWDY	THRUWAY
TR	TRAIL
TRLR	TRAILER
TRNPK	TURNPIKE
VW	VIEW
WAY	WAY
WHF	WHARF
WHSE	WAREHOUSE
WK	WALK
YD	YARD

Table B: Unit Type

Abbreviation	Description
APT	APARTMENT
LOT	LOT
RM	ROOM
SLIP	SLIP
SUIT	SUITE
UNIT	UNIT

Table C: Elevation Type

Abbreviation	Description
FLR	FLOOR

Table D: Structure Type

Abbreviation	Description
BLDG	BUILDING
PIER	PIER
WNG	WING