



VPS Service Order REST API Specification

Version

2.0

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Revision History

Version	Date	Change Description	Author
1.0	12/20/2017	Original Version –Supporting only New install	Verizon IT
2.0	02/20/2018	Revised Version –Supporting Change, Cancel, Disconnect, DueDateUpdate and AddressBuild	Verizon IT
3.0	06/04/2018	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 VPS REST API for Service Ordering. Service Ordering API is One of Ordering Management API Family. Service Ordering API goal is to provide service to place service orders. Published in ITW-broker (Verizon's Web Services Gateway).

Services published by Verizon

VPS Service Ordering – Verizon will publish this service for customer to order broad band product (FTTI) by providing all the necessary information. 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 FTTI 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 find out qualified broadband products offerings in Verizon VPS. This document will highlight the following:-

- REST API Service Description and example JSON request and response (section 3.6)
- Product Definitions (sections 3.7 & 3.8)
- Error Codes and Response Codes (section 3.12)

3. Interface Design Specifications

3.1. Interface Flow

- VPS client calls the “serviceOrder” service.
- If the message is accepted, response with status info is sent back synchronously.
- If the message is rejected, Rejection message is returned back along with the list of errors.
- 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 Broadband Service Ordering API customers will be notified of all scheduled maintenances.

3.5. Error Handling

If connectivity cannot be established to the Verizon Service Ordering 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 consist of product 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 ordering service.

Service name : Verizon VPS Ordering Service

REST API:

Method	URI
POST	/serviceOrder

Backward Compatibility: NA**3.6.1.1. Method: POST**

Usage: This method supports the “Sync” way of processing the Service Ordering request. This method will be used by the VPS clients to place service orders to Verizon for the products identified in this document. If the Request is accepted, a response with order status information is sent back. If the request is rejected, an error message is sent back along with the consolidated error details.

Sequence:

- Client calls the http “post” method of the service.
- Verizon will check FTTH contract.
- Verizon will validate the message for required fields.
- Verizon processes the service request.
- Verizon sends response with acceptance/status 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	/serviceOrder

JSON Request Format for New Order:

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
VPS Service Order
```

```
JSON request
HTTP Header
POST / HTTP/1.1
Content-Type : application/json;charset=UTF-8
Host:
Content-Length :
Accept : application/json
Accept-Charset : utf-8
Request Body Syntax
VPS Ordering API JSON request
{
"messageld": "string",
```

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```
"interactionDate": "string",
"companyCode": "string",
"purchaseOrderNumber": "string",
"orderType": "string",
"productCategory": "string",
"lineOfBusiness": "string",
```

```
"clecInfo": {
  "clecName": "string",
  "clecPhoneNumber": "string",
  "clecEmailId": "string",
  "billingNumber": "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"
},
```

```
"endUser": {
  "endUserName": "string",
  "endUserPhoneNumber": "string",
  "onsiteContactName": "string",
  "onsiteContactPhoneNumber": "string"
},
```

```
"product": {
  "telecomServicePriority": "string",
  "data": {
    "speed": "string",
    "typeOfData": "string",
    "termsOfService": "string",
    "numberOfIPS": "string",
    "staticTechSupportInfo": {
      "techFirstName": "string",
      "techLastName": "string",
      "techTitle": "string",
      "techPhone": "string",
      "techAddress": "string",
      "techCity": "string",
      "techState": "string",
      "techZip": "string",
      "techEmail": "string"
    },
    "staticIPAdditionalInfo": {
```

```
        "emailServerNow": "string",
        "emailServer6months": "string",
        "emailServer1year": "string",
        "dnsServerNow": "string",
        "dnsServer6months": "string",
        "dnsServer1year": "string",
        "webServerNow": "string",
        "webServer6months": "string",
        "webServer1year": "string",
        "appServerNow": "string",
        "appServer6months": "string",
        "appServer1year": "string",
        "voipNow": "string",
        "voip6months": "string",
        "voip1year": "string"
    }
},
"appointment": {
    "appointmentDate": "string",
    "appointmentTime": "string",
    "reservationIdentifier": "string"
},
"remarks": "string"
}
```

Input Ordering JSON representation example :**HTTP Header**

CC: XXX

authType: OAUTH

```

{
  "messageId": "AS9876543212",
  "interactionDate": "20171213 08:12:19:072 ",
  "companyCode": "ABC",
  "purchaseOrderNumber": "TESPON095",
  "orderType": "New",
  "productCategory": "FTTI",
  "lineOfBusiness": "BUSINESS",

  "clecInfo": {
    "clecName": "TestClec",
    "clecPhoneNumber": "2345287512",
    "clecEmailId": "test@mail.com",
    "billingNumber": "29876Y6672"
  },

  "address": {
    "addressId": "123456.00000000000000",
    "houseNumber": "741",
    "houseNumberSuffix": "AA",
    "streetPrefix": "E",
    "streetName": "ZECKENDORF",
    "streetSuffix": "E",
    "thoroughfare": "BVLVD",
    "unitType": "APT",
    "unitValue": "9",
    "elevationType": "FLR",
    "elevationValue": "1",
    "structureType": "BLDG",
    "structureValue": "4",
    "city": "GARDEN CITY",
    "stateOrProvince": "NY",
    "zipCode": "13224"
  },

  "endUser": {
    "endUserName": "testUser",
    "endUserPhoneNumber": "8765123411",
    "onsiteContactName": "TestOnsite",
    "onsiteContactPhoneNumber": "9876123412"
  },

  "product": {
    "telecomServicePriority": "TSP-98765123",
    "data": {
      "speed": "25/25 MBPS",
      "typeOfData": "STATIC",
      "termsOfService": "MONTH TO MONTH",
      "numberOfIPS": "29",
      "staticTechSupportInfo": {
        "techFirstName": "string",
        "techLastName": "string",
        "techTitle": "string",
        "techPhone": "12341234121",
        "techAddress": "123ashokstreet",
        "techCity": "string",

```



```
        "techState": "VA",
        "techZip": "65432",
        "techEmail": "ash@mail.com"
      },
      "staticIPAdditionalInfo": {
        "emailServerNow": "2",
        "emailServer6months": "2",
        "emailServer1year": "2",
        "dnsServerNow": "2",
        "dnsServer6months": "2",
        "dnsServer1year": "2",
        "webServerNow": "2",
        "webServer6months": "2",
        "webServer1year": "2",
        "appServerNow": "2",
        "appServer6months": "2",
        "appServer1year": "2",
        "voipNow": "2",
        "voip6months": "2",
        "voip1year": "2"
      }
    },
    "appointment": {
      "appointmentDate": "12-30-2017",
      "appointmentTime": "08:00-10:00",
      "reservationIdentifier": "NY78987621"
    },
    "remarks": "TestOrder"
  }
}
```

JSON Request Format for Change Order:

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

VPS Service Order

JSON request

HTTP Header

POST / HTTP/1.1

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

Host:

Content-Length :

Accept : application/json

Accept-Charset : utf-8

Request Body Syntax

VPS Ordering API JSON request

```

{
"messageld": "string",
"interactionDate":"string",
"companyCode": "string",
"purchaseOrderNumber":"string",
"orderType":"string",
"productCategory":"string",
"lineOfBusiness":"string",

"clecInfo": {
    "clecName":"string",
    "clecPhoneNumber":"string",
    "clecEmailId":"string",
    "billingNumber":"string"
    },

"address": {
    "stateOrProvince":"string"
    },
"endUser": {
    "endUserName":"string",
    "endUserPhoneNumber":"string",
    "onsiteContactName":"string",
    "onsiteContactPhoneNumber":"string"
    },
"product": {

    "telecomServicePriority":"string",
    "circuitId":" string ",
    "data":{
        "speed":"string",
        "typeOfData":"string",
        "termsOfService":"string",

```

```
        "numberOfIPS": "string",
        "staticTechSupportInfo": {
            "techFirstName": "string",
            "techLastName": "string",
            "techTitle": "string",
            "techPhone": "string",
            "techAddress": "string",
            "techCity": "string",
            "techState": "string",
            "techZip": "string",
            "techEmail": "string"
        },
        "staticIPAdditionalInfo": {
            "emailServerNow": "string",
            "emailServer6months": "string",
            "emailServer1year": "string",
            "dnsServerNow": "string",
            "dnsServer6months": "string",
            "dnsServer1year": "string",
            "webServerNow": "string",
            "webServer6months": "string",
            "webServer1year": "string",
            "appServerNow": "string",
            "appServer6months": "string",
            "appServer1year": "string",
            "voipNow": "string",
            "voip6months": "string",
            "voip1year": "string"
        }
    }
},
"remarks": "string"
}
```

Input Ordering JSON representation example for Change Order:**HTTP Header**

CC: XXX

authType: OAUTH

```

{
  "messageId": "AS9876543212",
  "interactionDate": "20171213 08:12:19:072 ",
  "companyCode": "ABC",
  "purchaseOrderNumber": "TESPON095",
  "orderType": "Change",
  "productCategory": "FTTI",
  "lineOfBusiness": "BUSINESS",

  "clecInfo": {
    "clecName": "TestClec",
    "clecPhoneNumber": "2345287512",
    "clecEmailId": "test@mail.com",
    "billingNumber": "29876Y6672"
  },

  "address": {
    "stateOrProvince": "NY"
  },

  "endUser": {
    "endUserName": "testUser",
    "endUserPhoneNumber": "8765123411",
    "onsiteContactName": "TestOnsite",
    "onsiteContactPhoneNumber": "9876123412"
  },
  "product": {
    "telecomServicePriority": "TSP-98765123",
    "circuitId": "12/ABCD/123456/ /ABCD",
    "data": {
      "speed": "25/25 MBPS",
      "typeOfData": "STATIC",
      "termsOfService": "MONTH TO MONTH",
      "numberOfPS": "13"
    }
  },
  "remarks": "TestOrder"
}

```

JSON Request Format for Cancel Order:**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**Privileged and Confidential**

VPS Service Order

JSON request

HTTP Header

POST / HTTP/1.1

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

Host:

Content-Length :

Accept : application/json

Accept-Charset : utf-8

Request Body Syntax

VPS Ordering API JSON request

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

  "clecInfo": {
    "clecName": "string",
    "clecPhoneNumber": "string",
    "clecEmailId": "string",
    "billingNumber": "string"
  }
}
```

Input Ordering JSON representation example:**HTTP Header**

CC: XXX

authType: OAUTH

```
{
  "messageId": "AS9876543212",
  "interactionDate": "20171213 08:12:19:072 ",
  "companyCode": "ABC",
  "purchaseOrderNumber": "TESPON095",
  "orderType": "Cancel",
  "productCategory": "FTTI",
  "lineOfBusiness": "BUSINESS",

  "clecInfo": {
    "clecName": "TestClec",
    "clecPhoneNumber": "2345287512",
    "clecEmailId": "test@mail.com",
    "billingNumber": "29876Y6672"
  }
}
```

JSON Request Format for Disconnect Order:*JSON request*

HTTP Header

POST / HTTP/1.1

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

Host:

Content-Length :

Accept : application/json

Accept-Charset : utf-8

Request Body Syntax

VPS Ordering API JSON request

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

  "clecInfo": {
    "clecName": "string",
    "clecPhoneNumber": "string",
    "clecEmailId": "string",
    "billingNumber": "string"
  },

  "address": {
    "stateOrProvince": "string"
  },
  "endUser": {
    "endUserName": "string",

```

```

        "endUserPhoneNumber":"string",
        "onsiteContactName":"string",
        "onsiteContactPhoneNumber":"string"
    },
    "product": {
        "circuitId":"12/ABCD/123456/ /ABCD",
    },
    "remarks":"string"
}

```

Input Ordering JSON representation example for Disconnect Order:

HTTP Header

CC: XXX

authType: OAUTH

```

{
    "messageId": "AS9876543212",
    "interactionDate": "20171213 08:12:19:072 ",
    "companyCode": "ABC",
    "purchaseOrderNumber": "TESPON095",
    "orderType": "Disconnect",
    "productCategory": "FTTI",
    "lineOfBusiness": "BUSINESS",

    "clecInfo": {
        "clecName": "TestClec",
        "clecPhoneNumber": "2345287512",
        "clecEmailId": "test@mail.com",
        "billingNumber": "29876Y6672"
    },

    "address": {
        "stateOrProvince": "NY"
    },

    "endUser": {
        "endUserName": "testUser",
        "endUserPhoneNumber": "8765123411",
        "onsiteContactName": "TestOnsite",
        "onsiteContactPhoneNumber": "9876123412"
    },
    "product": {
        "circuitId": "12/ABCD/123456/ /ABCD",
    },

    "remarks": "TestOrder"
}

```

JSON Request Format for DueDateUpdate Order:

HTTP Header

POST / HTTP/1.1

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

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Host :application.endpoint
Content-Length :
Accept : application/json
Accept-Charset : utf-8

Request Body Syntax
VPS Service Order

JSON request
HTTP Header
POST / HTTP/1.1
Content-Type : application/json;charset=UTF-8
Host:
Content-Length :
Accept : application/json
Accept-Charset : utf-8

Request Body Syntax
VPS Ordering API JSON request

```
{  
  "messageId": "string",  
  "interactionDate": "string",  
  "companyCode": "string",  
  "purchaseOrderNumber": "string",  
  "orderType": "string",  
  "productCategory": "string",  
  "lineOfBusiness": "string",  
  
  "clecInfo": {  
    "clecName": "string",  
    "clecPhoneNumber": "string",  
    "clecEmailId": "string",  
    "billingNumber": "string"  
  },  
  
  "appointment": {  
    "appointmentDate": "string",  
    "appointmentTime": "string",  
    "reservationIdentifier": "string"  
  },  
  
  "remarks": "string"  
}
```


Input Ordering JSON representation example :**HTTP Header**

CC: XXX

authType: OAUTH

```
{
  "messageId": "AS9876543212",
  "interactionDate": "20171213 08:12:19:072 ",
  "companyCode": "ABC",
  "purchaseOrderNumber": "TESPON095",
  "orderType": "DueDateUpdate",
  "productCategory": "FTTI",
  "lineOfBusiness": "BUSINESS",

  "clecInfo": {
    "clecName": "TestClec",
    "clecPhoneNumber": "2345287512",
    "clecEmailId": "test@mail.com",
    "billingNumber": "29876Y6672"
  },

  "appointment": {
    "appointmentDate": "12-30-2017",
    "appointmentTime": "08:00-10:00",
    "reservationIdentifier": "NY78987621"
  },

  "remarks": "TestOrder"
}
```

JSON Request Format for AddressBuild Order:**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**VPS Service Order****JSON request****HTTP Header**

POST / HTTP/1.1

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

Host:

Content-Length :

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Accept : application/json

Accept-Charset : utf-8

Request Body Syntax

VPS Ordering API JSON request

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

  "clecInfo": {
    "clecName": "string",
    "clecPhoneNumber": "string",
    "clecEmailId": "string",
    "billingNumber": "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"
  },

  "endUser": {
    "endUserName": "string",
    "endUserPhoneNumber": "string",
    "onsiteContactName": "string",
    "onsiteContactPhoneNumber": "string"
  },

  "remarks": "string"
}
```

Input Ordering JSON representation example :**HTTP Header**

CC: XXX

authType: OAUTH

```

{
  "messageId": "AS9876543212",
  "interactionDate": "20171213 08:12:19:072 ",
  "companyCode": "ABC",
  "purchaseOrderNumber": "TESPON095",
  "orderType": "AddressBuild",
  "productCategory": "FTTI",
  "lineOfBusiness": "BUSINESS",

  "clecInfo": {
    "clecName": "TestClec",
    "clecPhoneNumber": "2345287512",
    "clecEmailId": "test@mail.com",
    "billingNumber": "29876Y6672"
  },

  "address": {
    "addressId": "123456.00000000000000",
    "houseNumber": "741",
    "houseNumberSuffix": "AA",
    "streetPrefix": "E",
    "streetName": "ZECKENDORF",
    "streetSuffix": "E",
    "thoroughfare": "BVLD",
    "unitType": "APT",
    "unitValue": "9",
    "elevationType": "FLR",
    "elevationValue": "1",
    "structureType": "BLDG",
    "structureValue": "4",
    "city": "GARDEN CITY",
    "stateOrProvince": "NY",
    "zipCode": "13224"
  },

  "endUser": {
    "endUserName": "testUser",
    "endUserPhoneNumber": "8765123411",
    "onsiteContactName": "TestOnsite",
    "onsiteContactPhoneNumber": "9876123412"
  },
  "remarks": "TestOrder"
}

```

- **If reservationIdentifier is not present in order then system will reserve the first available date/timeslot if the input date/timeslot not available**

Request object

Field Name	Type	Mandatory Ordertypes	Description
messageId	String	All ordertypes/requests	A string that represents a unique message identifier for the user who made the request.
			Mandatory field which is alphanumeric and can contain Hyphen(-) and underscore(_) and can be 20 characters maximum
interactionDate	String	All ordertypes/requests	This field is used to identify the date the request was sent.
			correct date format YYYYMMDD HH:MM:SS:NNN(eg : 20171213 08:12:19:072)
companyCode	String	All ordertypes/requests	Company code will be used to determine whether CLEC have signed contract for FTTH product.
			Three character AECN/CCNA from FTTH contract info
purchaseOrderNumber	String	All ordertypes/requests	This field is used to identify the purchaseOrderNumber(PON) sent in the request. purchaseOrderNumber must be a unique value.
orderType	String	All ordertypes/requests	This field is used to identify the OrderType sent in the request. Valid value is New , Change, DueDateUpdate, Disconnect, Cancel and AddressBuild .
productCategory	String	All ordertypes/requests	This field is used to identify the product category from the request. Valid value : FTTH , FTTH-SM
lineOfBusiness	String	All ordertypes/requests	This field is used to identify the Line of Business from the request. Valid values : Business, Residential
clecInfo		All ordertypes/requests	
clecName	String	All ordertypes/requests	This field is used to identify the clec Name from whom request was sent.
			Must be alpha and may contain Hyphen(-), Ampersand(&), Apostrophe(') and Space and should be minimum 6 characters and maximum 25 characters .
clecPhoneNumber	String	All ordertypes/requests	This field is used to identify the clec PhoneNumber from whom request was sent.
			Must be numeric and may contain Hyphen(-) and should be minimum 10 characters and maximum 20 characters .
clecEmailId	String	All ordertypes/requests	This field is used to identify the clec EmailId from whom request was sent.
			Must be alphanumeric and may contain Hyphen(-), Ampersand(&), Underscore(_)and should be minimum 10 characters and maximum 60 characters .
billingNumber	String	All ordertypes/requests	This field is used to identify SBM which is unique for every CLEC

Field Name	Type	Mandatory Ordertypes	Description
address			Need to pass Address
addressId	String	Optional	Uniquely identifies a service location for close match address .Enter addressId for close match address input requests
houseNumber	String	New AddressBuild	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	New AddressBuild	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.

Field Name	Type	Mandatory Ordertypes	Description
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.
city	String	New AddressBuild	Community Name
zipCode	String	New AddressBuild	ZipCode.
			- Entering a zip code will provide a better search result
stateOrProvince	String	New AddressBuild Change Disconnect	Abbreviated state name.
			Valid values are : VA,PA,NJ,DE,MA,NY,DC,CT,RI,MD
latitude	String	Optional	This field is used to identify the latitude o the address.
			This field is optional and can be of maximum length 15.
longitude	String	Optional	This field is used to identify the longitude of the address.
			This field is optional and can be of maximum length 15.
endUser		Required	
endUserName	String	New AddressBuild Change Disconnect	This field is used to identify the endUser Name from whom request was sent.
			Must be alpha and may contain Hyphen(-), Ampersand(&), Apostrophe(') and Space and should be minimum 6 characters and maximum 25 characters .
endUserPhoneNumber	String	Optional	This field is used to identify the endUser PhoneNumber from whom request was sent.
			Must be numeric and may contain Hyphen(-) and should be minimum 10 characters and maximum 14 characters .
onsiteContactName	String	New AddressBuild Change Disconnect	This field is used to identify the Onsite Contact Name from whom request was sent.
			Must be alpha and may contain Hyphen(-), Ampersand(&), Apostrophe(') and Space and should be minimum 6 characters and maximum 25 characters .
onsiteContactPhoneNu mber	String	New AddressBuild Change Disconnect	This field is used to identify the Onsite Contact PhoneNumber from whom request was sent.
			Must be numeric and may contain Hyphen(-) and should be minimum 10 characters and maximum 14 characters .
product			
telecomServicePriority	String	Optional	This field is used to identify Telecom Service Priority value from the request.

Field Name	Type	Mandatory Ordertypes	Description
circuitId	String	Change Disconnect	This field is used to identify the CircuitId from the request
data			
speed	String	New Change	This field is used to identify the input speed ordered 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,100/100 MBPS
typeOfData	String	New Change	This field is used to identify Type of data ordered from the request. Valid values : Static,Dynamic
termsOfService	String	New Change	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 The field should be a length of 1 character.
staticTechSupportInfo			
techFirstName	String	Optional	This field is used to identify technical Support first name for orders with Static IP greater than 13 .
techLastName	String	Optional	This field is used to identify technical Support last name for orders with Static IP greater than 13 .
techTitle	String	Optional	This field is used to identify technical Support Title for orders with Static IP greater than 13 .
techPhone	String	Optional	This field is used to identify technical Support phone number for orders with Static IP greater than 13 .
techAddress	String	Optional	This field is used to identify technical Support address for orders with Static IP greater than 13 .
techCity	String	Optional	This field is used to identify technical Support city for orders with Static IP greater than 13 .
techState	String	Optional	This field is used to identify technical Support state for orders with Static IP greater than 13 .
techZip	String	Optional	This field is used to identify technical Support zip code for orders with Static IP greater than 13 .
techEmail	String	Optional	This field is used to identify technical Support email id for orders with Static IP greater than 13 .
staticIPAdditionalInfo			
emailServerNow	String	Optional	This field is used to identify email servers required now for orders with Static IP greater than 13 .
emailServer6months	String	Optional	This field is used to identify email servers required in six months for orders with Static IP greater than 13 .
emailServer1year	String	Optional	This field is used to identify email servers required in one year for orders with Static IP greater than 13 .
dnsServerNow	String	Optional	This field is used to identify dns servers required now for orders with Static IP greater than 13 .
dnsServer6months	String	Optional	This field is used to identify dns servers required in six months for orders with Static IP greater than 13 .

Field Name	Type	Mandatory Ordertypes	Description
dnsServer1year	String	Optional	This field is used to identify dns servers required in one year for orders with Static IP greater than 13 .
webServerNow	String	Optional	This field is used to identify web servers required now for orders with Static IP greater than 13 .
webServer6months	String	Optional	This field is used to identify web servers required in six months for orders with Static IP greater than 13 .
webServer1year	String	Optional	This field is used to identify web servers required in one year for orders with Static IP greater than 13 .
appServerNow	String	Optional	This field is used to identify app servers required now for orders with Static IP greater than 13 .
appServer6months	String	Optional	This field is used to identify app servers required in six months for orders with Static IP greater than 13 .
appServer1year	String	Optional	This field is used to identify app servers required in one year for orders with Static IP greater than 13 .
voipNow	String	Optional	This field is used to identify voip required now for orders with Static IP greater than 13 .
voip6months	String	Optional	This field is used to identify email required in six months for orders with Static IP greater than 13 .
voip1year	String	Optional	This field is used to identify email required in one year for orders with Static IP greater than 13 .
appointment			
appointmentDate	String	New DueDateUpdate	This field is to identify the appointment Date requested. Appointment date is mandatory and should be of the format MM-DD-YYYY
appointmentTime	String	Optional	This field is to identify the requested appointment Timeslot. Format is hh:mm- hh:mm (eg – 08:00-10:00)
reservationIdentifier	String	Optional	In case the date timeslot of was reserved in preorder API this field is used to identify the reservation ID . The exact reservation ID obtained in preorder API should be populated in this field.
remarks	String	Optional	This field is used to identify comments/Remarks in the request. It can be maximum of 100 characters .

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

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Response Body Syntax

VPS service ordering JSON response

```

{
  "messageId": "string",
  "interactionDate": "string",
  "companyCode": "string",
  "purchaseOrderNumber": "string",
  "orderType": "string",
  "productCategory": "string",
  "lineOfBusiness": "string",

  "statusInfo": {
    "statusCode": "string",
    "statusMessage": "string"
  }

  "errors": [
    {
      "errorCode": "string",
      "errorMessage": "string"
    }
  ]
}

```

Success response for input data JSON representation example:

http status code : 200**Content-Type: application/json**

```

{
  "messageId": "AS9876543212",
  "interactionDate": " 20171213 08:12:19:072 ",
  "companyCode": "ABC",
  "purchaseOrderNumber": "TESPON001",
  "orderType": "New",
  "productCategory": "FTTI",
  "lineOfBusiness": "Business",

  "statusInfo": {
    "statusCode": "0000",
    "statusMessage": "Order Accepted"
  },
  "errorList": [],
}

```

Error response JSON representation example:**http status code : 200****Content-Type: application/json**

```

{
  "messageId": "AS9876543212",
  "interactionDate": " 20171213 08:12:19:072",
  "companyCode": "ABC",
  "purchaseOrderNumber": "TESPON001",
  "orderType": "New",
  "productCategory": "FTTI",
}

```

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```

"lineOfBusiness": "Business",
"statusInfo": {
"statusCode": "1000",
"statusMessage": "Error"
},
"errorList": [
{
"errorCode": "LS0020",
"errorMessage": "CLEctelephone Number - minimum length is 10"
},
{
"errorCode": "LS0090",
"errorMessage": "State/Province value invalid ( Valid values : CT,DC,DE,MA,MD,NJ,NY,PA,RI,VA)"
}
],
}

```

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	A string that represents a current date on which user made the request. Return input interactionDate value in response.
purchaseOrderNumber	String	Required	A string that represents purchaseOrderNumber with which user made the request. Return input purchaseOrderNumber value in response.
orderType	String	Required	A string that represents orderType with which user made the request. Return input orderType value in response.
productCategory	String	Required	A string that represents productCategory with which user made the request. Return input productCategory value in response.
lineOfBusiness	String	Required	A string that represents lineOfBusiness with which user made the request. Return input lineOfBusiness value in response.
statusInfo	String	Required	Return statusInfo details.

Field Name	Type	Required/Optional	Description
statusCode	Array	Required	A String that represents the status Code of the response after request is processed for schema checks . If the request received has no errors on it then statusCode returned would be 0000. If there is any error obtained then statusCode would be 1000.
statusMessage	String	Required	A String that represents the status Message of the response after request is processed for schema checks . If the request received has no errors on it then statusMessage returned would be "Order Accepted" . If there is any error obtained then statusMessage would be "Error".
errorList	String	Optional	Returns list of errors if any after processing request.
errorCode	Array	Optional	Returns a unique errorCode if any error is found. Error code error message mapping mentioned in section 3.9.
errorMessage	String	Optional	Returns a unique errorMessage if any error is found. Error message error message mapping mentioned in section 3.9.

3.7. Products Supported

3.7.1. Broadband Services:

Local products: FTTH

3.8. Functions Supported

- Service ordering.

3.9. ERROR Responses

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

REST API error mapping table:

ERROR_CODE	ERROR_DESCRIPTION
LS0001	Message ID - should be 20 characters max
LS0002	Message ID - must be alphanumeric and may contain Hyphen(-) and Underscore(_)
LS0003	Message ID - is required
LS0004	Interaction Date - should be 30 characters max
LS0005	Interaction Date - must be a valid Date and follow the format – YYYYMMDD HH:MM:SS:NNN
LS0006	Interaction Date - is required
LS0007	Company Code - must contain minimum 3 characters
LS0008	Company Code - must contain maximum 4 characters
LS0009	Company Code - must be alpha

LS0010	Company Code - is required
LS0011	Company Code invalid
LS0012	Billing Number - minimum length is 10
LS0013	Billing Number - maximum length is 20
LS0014	Billing Number - must be Alphanumeric only.
LS0015	Billing Number is required.
LS0016	CLEC Name - minimum length is 6 characters
LS0017	CLEC Name - maximum length is 25 characters
LS0018	CLEC Name - must be alpha and may contain Hyphen(-), Ampersand(&), Apostrophe(') and Space
LS0019	CLEC Name - is required
LS0020	CLECtelephone Number - minimum length is 10
LS0021	CLEC telephone Number - maximum length is 20
LS0022	CLECtelephone Number - must be numeric and may contain Hyphen(-) and Space
LS0023	CLEC telephone - is required
LS0024	CLEC Email - minimum length is 10
LS0025	CLEC Email - maximum length is 60
LS0026	CLEC Email - must be alphanumeric and may contain Ampersand, underscore , Hyphen
LS0027	CLEC Email - is required
LS0028	PON - minimum length is 4 characters
LS0029	PON - maximum length is 16 characters
LS0030	PON - must be alphanumeric and may contain Hyphen(-), Underscore(_) and DOT(.)
LS0031	PON - is required
LS0032	Order Type - minimum length is 3 characters
LS0033	Order Type - maximum length is 15 characters
LS0034	Order Type should be alpha
LS0035	Order Type - is required
LS0036	Order Type - is invalid
LS0037	Address id - length should be 20
LS0038	Address id -should be numeric with . DOT special character
LS0039	Address id - is required
LS0040	House Number - minimum length is 1 characters
LS0041	House Number - maximum length is 10 characters
LS0042	House Number - must be alphanumeric and may contain special characters like Hyphen(-), Slash(/), BackSlash(\) and Space
LS0043	House Number - is required
LS0044	House Number Suffix - minimum length is 1 character
LS0045	House Number Suffix - maximum length is 4 characters
LS0046	House Number Suffix - must be alphanumeric and may contain special characters like Hyphen(-), Slash(/), BackSlash(\) and Space
LS0047	Street prefix - minimum length is 1 character
LS0048	Street prefix - maximum length is 2 characters
LS0049	Street prefix - must be alpha
LS0050	Street prefix - invalid (Valid values : E,N,NE,NW,S,SE,SW,W)
LS0051	Street Name - minimum length is 1 characters
LS0052	Street Name - maximum length is 60 characters
LS0053	Street Name - must be alphanumeric and may contain special characters like Hyphen(-), Slash(/), BackSlash(\), Apostrophe(') and Space
LS0054	Street Name - is required

LS0055	Street suffix - minimum length is 1 character
LS0056	Street suffix - maximum length is 2 characters
LS0057	Street suffix - must be alpha
LS0058	Street suffix - invalid (Valid values: E,N,NE,NW,S,SE,SW,W)
LS0059	Thoroughfare - minimum length is 2 characters
LS0060	Thoroughfare - maximum length is 8 characters
LS0061	Thoroughfare - must be alphanumeric and may contain special characters like Hyphen(-), Slash(/), BackSlash(\), Apostrophe(') and Space
LS0062	Unit Type - minimum length is 2 characters
LS0063	Unit Type - maximum length is 4 characters
LS0064	Unit Type - must be alpha
LS0065	Unit Type - invalid (Valid values : APT,LOT,RM,SLIP,SUIT,UNIT)
LS0066	Unit value - minimum length is 1 character
LS0067	Unit value - maximum length is 10 characters
LS0068	Unit value - must be alphanumeric
LS0069	Elevation Type - maximum length is 3 characters
LS0070	Elevation - must be alpha
LS0071	Elevation - invalid (Valid values : FLR)
LS0072	Elevation value - minimum length is 1 character
LS0073	Elevation value - maximum length is 10 characters
LS0074	Elevation value - must be alphanumeric
LS0075	Structure Type - minimum length is 3 characters
LS0076	Structure Type - maximum length is 4 characters
LS0077	Structure Type - must be alpha
LS0078	Structure Type - invalid (Valid values : BLDG,PIER,WNG)
LS0079	Structure value - minimum length is 1 character
LS0080	Structure value - maximum length is 10 characters
LS0081	Structure value - must be alphanumeric
LS0082	City - minimum length is 3 characters
LS0083	City - maximum length is 32 characters
LS0084	City - must be alpha
LS0085	City - required
LS0086	State/Province - Should be 2 characters
LS0087	State/Province - Should be 2 characters
LS0088	State/Province - must be alpha
LS0089	State/Province - required
LS0090	State/Province value invalid (Valid values : CT,DC,DE,MA,MD,NJ,NY,PA,RI,VA)
LS0091	Zip - Should be 5 characters
LS0092	Zip - Should be 5 characters
LS0093	Zip - must be numeric
LS0094	Zip - required
LS0095	Latitude - Should be minimum 10 characters
LS0096	Latitude - Should be 15 characters
LS0097	Latitude - must be alphanumeric and may contain Hyphen(-) , Dot(.) and Plus(+)
LS0098	Longitude - Should be minimum 10 characters
LS0099	Longitude - Should be 15 characters
LS0100	Longitude - must be alphanumeric and may contain Hyphen(-) , Dot(.) and Plus(+)

LS0101	End User Name - minimum length is 6 characters
LS0102	End User Name - maximum length is 25 characters
LS0103	End User Name - must be alpha and may contain Hyphen(-), Ampersand(&), Apostrophe(') and Space
LS0104	End User Name - is required
LS0105	End User Phone Number - minimum length is 10
LS0106	End User Phone Number - maximum length is 14
LS0107	End User Phone Number - must be numeric and may contain Hyphen(-) and Space
LS0108	End User Phone Number - is required
LS0109	Onsite Contact Name - minimum length is 6 characters
LS0110	Onsite Contact Name - maximum length is 25 characters
LS0111	Onsite Contact Name - must be alpha and may contain Hyphen(-), Ampersand(&), Apostrophe(') and Space
LS0112	Onsite Contact Name - is required
LS0113	Onsite Contact Phone Number - minimum length is 10
LS0114	Onsite Contact Phone Number - maximum length is 14
LS0115	Onsite Contact Phone Number - must be numeric and may contain Hyphen(-) and Space
LS0116	Onsite Contact Phone Number - is required
LS0117	Product Category - minimum length is 3 characters
LS0118	Product Category - maximum length is 15 characters
LS0119	Product Category - must be alpha
LS0120	Product Category - is required
LS0121	Product Category value- is invalid (Valid value : FTTL)
LS0122	Line of Business - minimum length is 8 characters
LS0123	Line of Business - maximum length is 10 characters
LS0124	Line of Business - must be alpha
LS0125	Line of Business - is required
LS0126	Line of Business value- is invalid (Valid values : Business, Residential)
LS0127	Speed - minimum length is 10 characters
LS0128	Speed - maximum length is 15 characters
LS0129	Speed - must be alphanumeric with special characters (/).
LS0130	Speed - is required
LS0131	Speed value- is invalid (Valid values : 25/25 MBPS,50/50 MBPS,75/75 MBPS,150/150 MBPS,300/300 MBPS,500/500 MBPS)
LS0132	Type of Data - minimum length is 6 characters
LS0133	Type of Data - maximum length is 8 characters
LS0134	Type of Data - must be alpha
LS0135	Type of Data - is required
LS0136	Type of Data value- is invalid (Valid values : Static,Dynamic)
LS0137	Terms of Service - minimum length is 13 characters
LS0138	Terms of Service - maximum length is 25 characters
LS0139	Terms of Service - must be alpha
LS0140	Terms of Service - is required
LS0141	Terms of Service value- is invalid (Valid values : Month to Month,2yr Agreement)
LS0142	Number of IP's - minimum length is 13 characters
LS0143	Number of IP's - maximum length is 25 characters
LS0144	Number of IP's - must be numeric .
LS0145	Number of IP's value- is invalid (Valid values : 1,5,13,29,61,125)

LS0146	Telecom Service Priority - minimum length is 12 characters
LS0147	Telecom Service Priority - maximum length is 12 characters
LS0148	Telecom Service Priority - must be alphanumeric and may contain special characters like Hyphen(-), Slash(/), BackSlash(\) and Space
LS0149	Appointment Date - should be 10 characters in length
LS0150	Appointment Date - must be a valid Date and follow the format – MM-DD-YYYY
LS0151	Appointment Date – required
LS0152	Appointment Time - minimum length is 8 characters
LS0153	Appointment Time - maximum length is 15 characters
LS0154	Appointment time format invalid format . Valid format is hh:mm-hh:mm (eg – 08:00-10:00)
LS0155	Appointment Time - is required
LS0156	Reservation identifier - minimum length is 10 characters
LS0157	Reservation identifier - maximum length is 20 characters
LS0158	Reservation identifier - must be alphanumeric
LS0159	Remarks - minimum length is 2 characters
LS0160	Remarks - maximum length is 100 characters
LS0161	Remarks - must be alphanumeric and may contain special characters like Ampersand, Apostrophe, Asterisk, Colon, Comma, Dollar sign, Hyphen, Number sign, Parentheses, Percent sign, Period, Plus sign, Quotation marks, Semicolon, Space and Virgule
LS0162	NumberOfIPS is required when Type of Data is STATIC
LS0163	Elevation Value is required if Elevation type is present and vice versa
LS0164	Unit Value is required if Unit type is present and vice versa
LS0165	Structure Value is required if Structure type is present and vice versa
LS0166	Duplicate Purchase Order Number . Provide a new PON
LS0167	Invalid Speed for Residential order . Valid values :(50/50 MBPS , 100/100 MBPS)
LS0168	Issue in posting request to backend
LS0169	Number of IP's greater than 13. Place order through LSI
LS0170	CLEC does not have contract
LS0171	Static IP not allowed in Residential Orders
LS0172	Interaction Date is an invalid. Interaction date should be Today.
LS0173	Appointment Date cannot be Today or older invalid date
LS0174	Purchase Order number (PON) is not eligible for DueDate Update
LS0175	Purchase Order Number (PON) is not eligible for Cancel
LS0176	Circuit id format invalid . Valid format digits{2}/alpha{4}/digits{6}/spaces{3}/alpha{4} . example: 12/ABCD/123456/ /ABCD
LS0177	Circuit id can be of maximum 25
LS0178	Circuit id is mandatory
LS0179	Number of Ip's cannot be populated with DYNAMIC orders
LS0180	"If NumberOfIPS greater than 13 then the following staticIPAdditionalInfo fields are mandatory :emailServerNow,emailServer6months,emailServer1year,dnsServerNow,dnsServer6months,dnsServer1year,webServerNow,webServer6months,webServer1year, appServerNow,appServer6months,appServer1year,voipNow,voip6months,voip1year"
LS0181	If NumberOfIPS greater than 13 then the following staticTechSupportInfo fields are mandatory :techFirstName,techLastName,techTitle,techPhone,techAddress,techCity,techState,techZip,techEmail
LS0182	When Static IP is greater than 13 then the additional IP and Technical info details are required
LS0183	Technical Support - Contact First Name - minimum length is 4 character
LS0184	Technical Support - Contact First Name - maximum length is 15 character

LS0185	Technical Support - Contact First Name - must be alpha and may contain Hyphen(-), Ampersand(&), Apostrophe(') and Space
LS0186	Technical Support - Contact Last Name - minimum length is 4 characters
LS0187	Technical Support - Contact Last Name - maximum length is 15 characters
LS0188	Technical Support - Contact Last Name - must be alpha and may contain Hyphen(-), Ampersand(&), Apostrophe(') and Space
LS0189	Technical Support - Contact Title - minimum length is 4 characters
LS0190	Technical Support - Contact Title - maximum length is 15 characters
LS0191	Technical Support - Contact Title - must be alpha and may contain Spaces
LS0192	Technical Support - Phone - minimum length is 10
LS0193	Technical Support - Phone - maximum length is 14
LS0194	Technical Support - Phone - must be numeric and may contain Hyphen(-) and Space
LS0195	Technical Support - Postal Address - minimum length is 10 characters
LS0196	Technical Support - Postal Address - maximum length is 100 characters
LS0197	Technical Support - Postal Address - must be alphanumeric and may contain special characters like Hyphen(-), Slash(/), BackSlash(\) and Space
LS0198	Technical Support - City - minimum length is 3 characters
LS0199	Technical Support - City - maximum length is 32 characters
LS0200	Technical Support - City - must be alpha and may contain special characters like Hyphen(-), Slash(/), BackSlash(\), Apostrophe(') and Space
LS0201	Technical Support - State- must be alpha with 2 characters
LS0202	Technical Support - State- must be alpha with 2 characters
LS0203	Technical Support - State- must be alpha
LS0204	Technical Support - State- invalid (Vlid values : CT,DC,DE,MA,MD,NC,NJ,NY,PA,RI,VA)
LS0205	Technical Support - Zip - must contain 5 digits
LS0206	Technical Support - Zip - must contain 5 digits
LS0207	Technical Support - Zip - must be numeric
LS0208	Technical Support - Email - minimum length is 10 characters
LS0209	Technical Support - Email - maximum length is 60 characters
LS0210	Technical Support - Email - must be a valid email
LS0211	Additional Static IP Block - Email Servers Now - at least 1 numeric value and maximum 3 numeric characters
LS0212	Additional Static IP Block - Email Servers - In 6 months - at least 1 numeric value and maximum 3 numeric characters
LS0213	Additional Static IP Block - Email Servers - In 1 year - at least 1 numeric value and maximum 3 numeric characters
LS0214	Additional Static IP Block - DNS Servers - Now - at least 1 numeric value and maximum 3 numeric characters
LS0215	Additional Static IP Block - DNS Servers - In 6 months - at least 1 numeric value and maximum 3 numeric characters
LS0216	Additional Static IP Block - DNS Servers - In 1 year - at least 1 numeric value and maximum 3 numeric characters
LS0217	Additional Static IP Block - Web Servers - Now - at least 1 numeric value and maximum 3 numeric characters
LS0218	Additional Static IP Block - Web Servers - In 6 months - at least 1 numeric value and maximum 3 numeric characters
LS0219	Additional Static IP Block - Web Servers - In 1 year - at least 1 numeric value and maximum 3 numeric characters
LS0220	Additional Static IP Block - Application Servers - Now - at least 1 numeric value and maximum 3 numeric characters

LS0221	Additional Static IP Block - Application Servers - In 6 months - at least 1 numeric value and maximum 3 numeric characters
LS0222	Additional Static IP Block - Application Servers - In 1 year - at least 1 numeric value and maximum 3 numeric characters
LS0223	Additional Static IP Block - VoIP - Now - at least 1 numeric value and maximum 3 numeric characters
LS0224	Additional Static IP Block - VoIP - In 6 months - at least 1 numeric value and maximum 3 numeric characters
LS0225	Additional Static IP Block - VoIP - In 1 year - at least 1 numeric value and maximum 3 numeric characters
LS0226	For Change order either one of speed,termsOfService,typeOfData or numberOfIPs is mandatory

3.10 Assumptions

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

4 Ownership

Article I. Ownership: Development

Verizon will be responsible for the following:

- Developing and exposing the following REST API's :

(i) VPS Broadband Ordering Service.

- Interact with VPS teams for questions / answer

RESTAPI clients (customer using the Verizon's Broadband ordering 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

4.1 Ownership: Testing

Verizon will be responsible for the following:

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

4.2 Ownership: Production

Verizon will be responsible for the following:

- Production version of the service available in production environment.
 - Verizon VPS Service Ordering. .
 - 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
THRWY	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