

# PRO Reserve API Guide

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# Considerations

## HTTP verbs

The PRO Reserve API follows standard HTTP and REST conventions in its use of HTTP verbs. Only the **GET** is used for this service.

Verb	Usage
<b>GET</b>	Returns an unused PRO number reserved for your use.

## API Key

Requests for a PRO requires authentication using an API key as a URI query parameter. See example request below.

## PRO Reserve Syntax/Example

[https://api.averittpress.com/shipments/pros/next?stateAbbreviation=TN&zipCode=38501&api\\_key=12345abc55d12345678d123d04a555c9](https://api.averittpress.com/shipments/pros/next?stateAbbreviation=TN&zipCode=38501&api_key=12345abc55d12345678d123d04a555c9)

Syntax Element	Description
<b>https://</b>	The api requires the https protocol
<b>api.averittpress.com</b>	This is the host for all of the Averitt Express rest based API's
<b>/shipments/pros/</b>	This is the path to the PRO Reserve API.
<b>stateAbbreviation=</b>	This is an example of the origin state. This is a required path parameter. Must be a valid 2 character state code.
<b>zipCode=</b>	This is an example of the origin zip. This is a required path parameter. Must be a valid zip code.
<b>api_key=</b>	This is a required parameter. The api_key is specific to the user and is used for authentication.

## Path Parameters

Parameter	Description
<b>stateAbbreviation</b>	A standard two letter abbreviation of the origin state.
<b>zipCode</b>	The origin zip code.
<b>api_key</b>	Key used for authentication and authorization.

# Example HTTP & CURL Requests

```
GET /shipments/pros/next?stateAbbreviation=TN&zipCode=38501&api_key=0000000000000000
HTTP/1.1
Accept: application/json
Host: api.averittexpress.com:80
```

```
$ curl
'https://api.averittexpress.com:80/shipments/pros/next?stateAbbreviation=TN&zipCode=38
501&api_key=0000000000000000' -i -X GET \
-H 'Accept: application/json'
```

## Response Body

```
{
  "pro" : "0037010486"
}
```

## Response Fields

Path	Type	Description
pro	String	The user requested reserved PRO.

# HTTP status codes

Status code	Usage
200 OK	The request completed successfully
400 Bad Request	The request URL was not correct.
404 Not Found	The requested resource did not exist

# Errors

A **400 Bad Request** response will be returned when parameters are missing.

E.g.

```
$ curl
'https://api.averittexpress.com:80/shipments/pros/next?stateAbbreviation=MT&api_key=0000000000000000' -i -X GET \
-H 'Accept: application/json'
```

```
HTTP/1.1 400 Bad Request
Content-Length: 72
Content-Type: application/json;charset=UTF-8
```

```
{
  "message" : "Required String parameter 'zipCode' is not present"
}
```

Path	Type	Description
message	String	The state abbreviation, the zip code or both are missing.

A **404 Not Found** response will be returned when a direct, outbound service center cannot be found for the state and zip code combination.

E.g.

```
$ curl
'https://api.averittexpress.com:80/shipments/pros/next?stateAbbreviation=MT&zipCode=59003&api_key=0000000000000000' -i -X GET \
-H 'Accept: application/json'
```

```
HTTP/1.1 404 Not Found
Content-Type: application/json;charset=UTF-8
Content-Length: 125
```

```
{
  "message" : "Direct, outbound service for the state abbreviation (MT) and zip code (59003) combination was not found"
}
```

## Errors Continue ...

A **404 Not Found** response for mismatched state and zip code combination.

E.g.

```
$ curl
'https://api.averittpress.com:80/shipments/pros/next?stateAbbreviation=TN&zipCode=90
210&api_key=0000000000000000' -i -X GET \
-H 'Accept: application/json'
```

```
HTTP/1.1 404 Not Found
Content-Type: application/json;charset=UTF-8
Content-Length: 125

{
  "message" : "Direct, outbound service for the state abbreviation (TN) and zip code
(90210) combination was not found"
}
```