

BOL API Developer's Guide

Roadrunner Transportation Systems, Inc. 01/21/2020

BOL API Overview

The BOL API Developer's Guide is intended to help the transportation community integrate their own applications with Roadrunner Freight's BOL API. Our business partners can use the BOL API to transmit BOL data, with additional features like request a rate quote estimate, submit a quick pickup request, and print shipping labels.

The Test API can be accessed at

<https://webservices-test.rrts.com/bol/api/bolrequest>

The Production API can be accessed at

<https://webservices.rrts.com/BOL/api/bolrequest>

https is required. Http provides error code 403 - 403.4 Forbidden: SSL required.

Authentication

Authentication for the API is performed using Basic Authentication in the request headers. Authentication is required to submit a BOL, request a rate quote and a Quick Pick up.

If you don't have login with us, please register here -

<https://freight.rrts.com/Pages/Register.aspx>

Format

Requests and responses are both processed in the JSON format.

API Endpoints

BOLRequest

| | |
|-------------|---|
| Description | Creates BOL . |
| Verb | POST |
| URL | https://webservices.rrts.com/BOL/api/bolrequest |
| Endpoint | /api/bolrequest |

| Property | Type | Required | Description and Rules |
|-------------------|--------|----------|---|
| MainAccountNumber | String | Yes | Account Number - Roadrunner issued account number. |
| ReqName | String | No | Requester's Name - Allows for the entry of the name of the person submitting the BOL. Will print only on the supplemental information page, if that page is requested |
| ReqEmail | String | No | Requester's Email Address - Will print only on the supplemental information page, if that page is requested. A copy of the BOL can be sent to this address, see SendBillTo. |

| | | | |
|-------------|------------|----|---|
| ReqPhone | String(15) | No | Requester's Phone Number - Will print only on the supplemental information page, if that page is requested. Example - (111) 111-1111 |
| ReqPhoneExt | String(15) | No | Requester's Phone Extension Number - Will print only on the supplemental information page, if that page is requested. |

| | | | |
|----------------------|-----------|-----|---|
| PayTerms | String(1) | Yes | Bill-of-lading Terms -P - Prepaid, C-Collect. Default value is P. |
| ContactBeforeDeliver | Boolean | No | Contact Consignee Before Delivery - If value is true, the BOL will indicate that a delivery appointment is required. |
| CODAmount | decimal | No | COD Amount -If COD amount is greater than 0, all COD fields are required. Amount of the COD fee must be less than 100,000.00 |

| | | | |
|--------------------|-----------|-----|--|
| CODFee | String(1) | No | COD Fee - P - Prepaid, C- Collect |
| CODCheckAcceptable | Int | No | COD Company Check Acceptable - Indicate here if a Company Check is acceptable as payment for the COD amount. It should be either 0 or 1. |
| HazMatContact | String | No | Emergency Contact Name - If Hazmat is selected under Commodities, Hazmat Emergency Contact is required. |
| HazMatPhone | String | No | Emergency Phone Number -If Hazmat is selected under Commodities, Hazmat Emergency Phone Number is required. Example - (111) 111-1111 |
| ShipDt | Date | Yes | Shipment Date - Date format should be YYYY-MM-DD. ShipDt must be today or in the future. Shipment Date should be within one month of the current date. |
| ProNumber | String | No | Roadrunner Pro Number - Allows for the entry of a valid Roadrunner PRO number. Note: Only a valid Roadrunner PRO number can be entered here. |

| | | | |
|---------------------|---------|----|---|
| ProNumAutoGenerated | Boolean | No | Indicate true, if the pro number is to be auto generated. Note: If a value is provided in ProNumber, that value will be used. |
|---------------------|---------|----|---|

| | | | |
|--------------|-------------|----|---|
| Instructions | String(256) | No | Special Instructions. Only first 188 characters will appear on the BOL PDF. |
|--------------|-------------|----|---|

| | | | |
|---------------------|---------|----|---|
| BOLNumber | String | No | Shipper's Bill-of-lading number. |
| BOLAutoGenerated | Boolean | No | Indicate true, if the BOL number is to be auto generated. Note: If a value is provided in BOLNumber, that value will be used. |
| LiabilityExceedAmt | Decimal | No | Declared Value. The dollar value of the declared value, per Declared Value Unit Type. |
| LiabilityExceedType | String | No | Declared Value Unit Type. 4 types Shipment, LBS, CWT, PKG. |

| | | | |
|---|---------|-----|---|
| LiabilityCoverageReq | Decimal | No | Excess Liability Coverage Amount. Indicate the dollar amount of the additional liability coverage required. |
| SQNumber | String | No | Spot Quote Number. The Roadrunner Issued Spot Quote Number. |
| ShipperAddr – Shipper Address is required. | | | |
| Company | String | Yes | Company name – The company name for the shipper. |
| Contact | String | Yes | Shipper Contact – Name of the person to contact at the shipper’s location. |
| Address | String | Yes | Shipper Address – Address of the shipper’s location. |

| | | | |
|----------|--------|-----|---|
| City | String | Yes | Shipper City |
| State | String | Yes | Shipper State - Example "WI", "CA" |
| Country | String | Yes | Shipper Country. Enter "United States" or "Canada" |
| Zip | String | Yes | Shipper Zip Code - Can contain 5-digit US zip code or 6-character Canadian postal code with no spaces or dashes – i.e. "M4B1B3" not "M4B-1B3". |
| Phone | String | Yes | Shipper Phone Number Example - (111) 111-1111 |
| PhoneExt | String | No | Shipper Phone Extension Number |

| | | | |
|---|--------|-----|--|
| Email | String | No | Shipper Email Address - Email is optional. |
| ConsigneeAddr – Consignee Address is required | | | |
| Company | string | Yes | Consignee Company Name |
| Contact | string | Yes | Consignee Contact Name |
| Address | string | Yes | Consignee Address |

| | | | |
|---------|--------|-----|---|
| City | string | Yes | Consignee City |
| State | string | Yes | Consignee State - Example "WI", "CA" |
| Country | string | Yes | Consignee Country. Enter "United States", "Canada" or "Puerto Rico". |
| Zip | string | Yes | Consignee Zip Code - Can contain 5-digit US zip code or 6-character Canadian postal code with no spaces or dashes – i.e. "M4B1B3" not "M4B-1B3". |
| Phone | string | No | Consignee Phone Number Example - (111) 111-1111 |

| | | | |
|--|--------|----|--|
| PhoneExt | string | No | Consignee Phone Extension |
| Email | string | No | Consignee Email Address - Email is optional. |
| ThirdPartyAddr – If CustomerType is B , Third Party fields are required. | | | |

| | | | |
|---------|--------|----|--------------------------|
| Company | string | No | Third Party Company Name |
| Contact | string | No | Third Party Contact Name |

| | | | |
|---------|--------|----|---------------------|
| Address | string | No | Third Party Address |
|---------|--------|----|---------------------|

| | | | |
|----------|--------|----|---|
| City | string | No | Third Party City |
| State | string | No | Third Party State - Example "WI", "CA" |
| Country | string | No | Third Party Country - Enter "United States", "Canada" or "Puerto Rico" |
| Zip | string | No | Third Party Zip Code - Can contain 5-digit US zip code or 6-character Canadian postal code with no spaces or dashes – i.e. "M4B1B3" not "M4B-1B3". |
| Phone | string | No | Third Party Phone Number Example - (111) 111-1111 |
| PhoneExt | string | No | Third Party Phone Extension |

| | | | |
|---|--------|----|---|
| Email | string | No | Third Party Email Address. Email is optional. |
| CODAddr – If COD amount is greater than 0, all COD fields are required. | | | |

| | | | |
|---------|--------|----|--|
| Company | string | No | COD Remit To Company Name |
| Contact | string | No | COD Remit To Contact Name |
| Address | string | No | COD Remit To Address |
| City | string | No | COD Remit To City |
| State | string | No | COD Remit To State - Example "WI", "CA" |

| | | | |
|---------|--------|----|---|
| Country | string | No | COD Remit To Country - Example "United States" |
| Zip | string | No | COD Remit To Zip Code - Can contain 5digit US zip code or 6-character Canadian postal code. |

| | | | |
|---|--------|----|---|
| Phone | string | No | COD Remit To Phone Number |
| PhoneExt | string | No | COD Remit To Phone Extension |
| Email | string | No | COD Remit To Email Address - Email is optional. |
| BOLCustomerReference - Maximum Number of Customer Reference on a shipment should be 100. First 26 will be visible on the BOL PDF. | | | |

| | | | |
|------------|-----------|----|--|
| RefNo | String | No | Customer Reference Number. |
| RefType | String(3) | No | Customer Reference Type |
| Pieces | String | No | Number of Pieces |
| Weight | String | No | Weight in Pounds |
| Dept | String | No | Dept |
| SendBillTo | String | No | Email Copy of Bill-of-lading. "O" - shipper, "I" - consignee, "B" - third-party, "R" – Requester. PDF copy of the Bill-of-lading will be emailed to the address indicated for each party, ONLY if GenerateBOL is true |

| | | | |
|---|---------|-----|---|
| Commodities - Container of shipment details. Can have up to 9 different shipment details in one transaction. Includes Actual Class & Weight | | | |
| ClassCode | Double | yes | Actual Class of Freight – see Appendix A for list of allowed values. Note: Indicate the Actual Class of the Freight regardless of any FAK that may apply. |
| Weight | Decimal | yes | Weight of freight for listed class. Measured in Pounds. |
| Length | Integer | No | Length should be in inches per Handling Unit. |
| Width | Integer | No | Width should be in inches per Handling Unit. |
| Height | Integer | No | Height should be in inches per Handling Unit. |

| | | | |
|----------|---------|-----|--|
| Cube | Integer | No | Cubic Feet of the items. If 0, the system will calculate the cubic feet based on the dimensions provided in the fields Length, Width, Height |
| UnitDesc | String | Yes | Type of Handling Units such as pallets, boxes, etc. see Appendix C for list of Handling Units |
| UnitQty | Integer | Yes | Quantity of Handling Units. |
| PkgDesc | String | Yes | Type of Packages such as pallets, boxes, etc. see Appendix C for list of Package Descriptions |

| | | | |
|-------------|---------|-----|--|
| PkgQty | Integer | Yes | Quantity of Packages. |
| Description | String | Yes | Description of the goods . Any additional comments regarding Commodities |

| | | | |
|-----------------|------------|----|---|
| HazMat | String | No | X – Hazmat, RQ- Reportable Quantity |
| NMFC | String (6) | No | NMFC number. Example: “156600” |
| NMFCSub | String (3) | No | NMFC Sub number. Example:”02” |
| Accessorials - | | | |
| AccessorialCode | String(3) | No | Code for additional service requested. See Appendix B for list of allowed values. Maximum of 5 Service Codes (Accessorials). |
| GenerateBOL | Boolean | No | Default Value is false. Set GenerateBOL to True in order to generate the BOL. To receive an emailed copy of the PDF BOL use SendBillTo. |

QuickPickup is calling Roadrunner QuickPickup API . For details refer to –

https://freight.rrts.com/Help/Documents/RRTS_QuickPickup_WebService_Developer's_Guide.pdf

| | | | |
|---------------|---------|----|---|
| QuickPickup | Boolean | No | Submit Pickup Request. Value should be true to create a Pick up request. Note: the API response will include a pickup order number. Please use Quick Pick up API to submit multiple Pick ups in one request. https://webservices.rrts.com/pickup/quickpickup.asmx |
| FreightReady | String | No | Ready Time for Pickup Request. Military Time Format ie - 01:15 or 14:30 Note: If QuickPickup is true, FreightReady is required. |
| FreightClosed | String | No | Shipper Close Time for Pickup Request. Military Time Format ie - 01:15 or 14:30 Note: If QuickPickup is true, FreightClosed is required. |

| | | | |
|-----------------------|-----------|----|---|
| PrintSupplementalPage | Boolean | No | <p>Print the Supplemental Information Page along with the Bill-of-lading.</p> <p>The supplemental document can be used to display additional data that does not normally display on the BOL.</p> <p>Requestor's name Requestor's email Requestor's phone Additional Reference numbers. Etc.</p> <p>The Supplemental document can be printed by setting the value of <i>PrintSupplementalPage</i> to true.</p> |
| PrintLabel | Boolean | No | <p>Print Shipment Labels . Value should be true to Print Labels.</p> <p>Note: Labels will be emailed to SendBillTo</p> |
| LabelStyle | String(1) | No | <p>Format for Shipment Labels.</p> <p>"6" - "6 Labels/Page "4" - "6*4 Label" "F" -"Full Page Label"</p> <p>Note: If PrintLabel is true, Label Style is required</p> |
| StartingPosition | Integer | No | <p>Starting Position for Shipment Labels should be between 1 to 6</p> <p>Note: If PrintLabel is true, LabelStyle is required</p> |

| | | | |
|----------------|---------|----|---|
| NumberOfLabels | Integer | No | Number of Shipment Labels to Print. 10 is the maximum Number of label can print. Note: If PrintLabel is true, NumberOfLabels is required |
|----------------|---------|----|---|

GetRateQuote is calling Roadrunner RateQuote API . For details refer - https://freight.rrts.com/Help/Documents/RRTS_RateQuote_WebService_Developer's_Guide.pdf

RateQuote Disclaimer

Online rating estimate freight charges are based on the limited information that you have provided. Such estimates of freight charges are furnished as a convenience to the shipping public and represent only an informal approximation of freight charges, which is not binding either on the carrier or the shipper. Lawful transportation charges are based on the published tariff provisions legally in effect at the time of the shipment, in conjunction with duly negotiated pricing agreements and related transportation services performed in connection therewith.

Freight charges may be subject to minimum charges based on cube, density or lineal feet as provided in Item 577 or Item 578 of our rules tariff. Our rules tariff is available upon request from any RRTS Account Executive. Also available for viewing, printing or downloading, on the internet at the freight.rrts.com website:

[Rules Tariff](#)

[Fuel Surcharges page](#)

[Selected Accessorial Charges](#)

| | | | |
|--------------|---------|----|--|
| GetRateQuote | Boolean | No | Request a Rate Quote. Value should be true to request a Quote. |
|--------------|---------|----|--|

| | | | |
|----------------------------|-----------|----|---|
| PalletPosition | Integer | No | Number of Pallet Positions. If customer has pallet rating, must supply 0 or greater pallets. Can leave blank if no pallet rating |
| SortAndSegregatePieceCount | Integer | No | Number of Pieces to be Sorted. Must be filled out if using Sort/Segregate service code or for some customer specific accessorial ratings |
| LinearFeet | Integer | No | Number of Linear Feet for shipment to be quoted. If customer has linear ft rating, must supply 0 or greater linear ft. Can leave blank if no linear ft rating |
| CustomerType | String(1) | No | Customer Type for shipment to be quoted. Valid values are "O" for Shipper, "I" for Consignee, and "B" for Third Party. Note: Required if getting rate quote |

Request Example Json:

```
{
  "MainAccountNumber": 12345,
  "ReqName": "3P Name ",
  "ReqEmail": "xxx@rrts.com",
  "ReqPhone": "(222) 222-2222",
  "ReqPhoneExt": "567",
  "PayTerms": "P",
  "ContactBeforeDeliver": true,
  "CODAmount": 1000.0,
  "CODFee": "C",
```

```
"CODCheckAcceptable": 1,
"HazMatContact": "3P Name ",
"HazMatPhone": "(222) 222-2222",
"ShipDt": "2019-12-03T16:14:00.8853044-05:00",
"ProNumber": "",
"ProNumAutoGenerated": true,
"Instructions": "Shipment Instructions - Test",
"BOLNumber": "12345",
"BOLAutoGenerated": true,
"LiabilityExceedAmt": 10,
"LiabilityExceedType": "Pkg",
"LiabilityCoverageReq": "100",
"SQNumber": "SQ123456",
"ThirdPartyAddr": {
    "Company": "",
    "Contact": "3P Name",
    "Address": "3P Address",
    "City": "3P City",
    "State": "WI",
    "Country": "United States",
    "Zip": "53188",
    "Phone": "(222) 222-2222",
    "PhoneExt": "333",
    "Email": "xxxx@rrts.com"
},
"ConsigneeAddr": {
    "Company": "ACME Con Company",
    "Contact": "Con Name",
    "Address": "Con Address",
    "City": "Ship City",
    "State": "CA",
    "Country": "United States",
    "Zip": "90004",
    "Phone": "(222) 222-2222",
    "PhoneExt": "666",
    "Email": "xxxx@rrts.com"
},
"ShipperAddr": {
    "Company": "ACME Ship Company",
    "Contact": "Ship Name",
    "Address": "Ship Address",
    "City": "Ship City",
    "State": "CA",
```

```
"Country": "United States",
"Zip": "90210",
"Phone": "(222) 222-2222",
"PhoneExt": "111",
"Email": "xxxx@rrts.com"
},
"CODAddr": {
  "Company": "ACME COD Company",
  "Contact": "COD Name",
  "Address": "COD Address",
  "City": "COD City",
  "State": "WI",
  "Country": "United States",
  "Zip": "53188",
  "Phone": "(222) 222-2222",
  "PhoneExt": "444",
  "Email": "xxxxx@rrts.com"
},
"BOLCustomerReference": [
  {
    "RefNo": "1313",
    "RefType": "P",
    "Pieces": "33",
    "Weight": "75 plbs",
    "Dept": "Some Department"
  }
],
"SendBillTo": [
  "O", "I", "B", "R"
],
"Commodities": [
  {
    "UnitDesc": "Pallet",
    "PkgDesc": "Box",
    "UnitQty": 2,
    "PkgQty": 1,
    "HazMat": "X",
    "Description": "A box and some pallets.",
    "NMFC": "100060",
    "NMFCSub": "600",
    "Weight": 225,
    "Cube": 43,
  }
]
```

```
        "Length": 12,  
        "Width": 13,  
        "Height": 14,  
        "ClassCode": 50  
    },  
    {  
        "UnitDesc": "Pallet",  
        "PkgDesc": "Box",  
        "UnitQty": 3,  
        "PkgQty": 1,  
        "HazMat": "",  
        "Description": "A box and some pallets 2.",  
        "NMFC": "No ",  
        "NMFCSub": "No ",  
        "Weight": 200,  
        "Cube": 50,  
        "Length": 16,  
        "Width": 17,  
        "Height": 18,  
        "ClassCode": 77.5  
    }  
],  
"Accessorials": [  
    {  
        "AccessorialCode": "GSP"  
    },  
    {  
        "AccessorialCode": "GSD"  
    }  
],  
"PrintLabel": true,  
"LabelStyle": "6",  
"NumberOfLabels": 6,  
"StartingPosition": 1,  
"GetRateQuote": true,
```

```

    "GenerateBOL" : true,
    "PalletPosition": 0,
    "SortAndSegregatePieceCount": 0,
    "LinearFeet": 0,
    "CustomerType": "B",
    "QuickPickup": false,
    "FreightReady": "20:30",
    "FreightClosed": "23:30",
    "PrintSupplementalPage": true
}

```

BOL API response -

| Element Name | Type | Description |
|---------------|---------------|---|
| HasError | bool | HasError will be true if there is any error |
| ErrorMessage | String | Shows error message here if there is any error |
| BOLNumber | String | Provide BOL Number if there is any. |
| PRONumber | String | Provide PRO Number if there is any. |
| PickUpNumber | String | Provide Pick Up Number if there is any. |
| TerminalName | String | Provides Terminal Name |
| TerminalPhone | String | Provides Terminal Contact. https://freight.rrts.com/Locations/Pages/ServiceAreaMap.aspx?LCD=COM |
| QuoteNumber | int | If requested to get Quote, QuoteNumber returns. |
| QuoteResponse | QuoteResponse | Refer https://webservices.rrts.com/rating/ratequote.asmx |
| Base64PDFData | String | |

| | | |
|--------------------|--------|--|
| Base64PDFLabelData | String | |
|--------------------|--------|--|

Example Response Json –

```
{
  "HasError": false,
  "ErrorMessage": "",
  "BOLNumber": "",
  "PickUpNumber": "51435129",
  "TerminalName": "Commerce",
  "TerminalPhone": "",
  "QuoteNumber": 4125917,
  "QuoteResponse": {
    "quoteNumberField": 4125917,
    "netChargeField": 201.68,
    "customerField": {
      "accountNumberField": 123456,
      "nameField": "ROADRUNNER ONLINE DEMO",
      "address1Field": "4900 S PENNSYLVANIA AVE",
      "address2Field": " ",
      "cityField": "CUDAHY",
      "stateField": "WI",
      "zipCodeField": "53110",
      "PropertyChanged": null
    },
    "routingInfoField": {
      "destinationStateField": "CA",
      "destinationZipField": "90004",
      "originStateField": "CA",
      "originZipField": "90210",
      "estimatedTransitDaysField": "1",
      "originalTerminalField": "Commerce",
      "PropertyChanged": null
    },
    "rateDetailsField": [
      {
        "actualClassField": "50 ",
        "ratedClassField": "50 ",

```

```

        "chargeField": 50.35,
        "codeField": "MIN",
        "descriptionField": "MIN",
        "rateField": 0.0,
        "weightField": " 225",
        "extraMessagesField": null,
        "PropertyChanged": null
    },
    {
        "actualClassField": "775",
        "ratedClassField": "775",
        "chargeField": 0.0,
        "codeField": " ",
        "descriptionField": " ",
        "rateField": 0.0,
        "weightField": " 200",
        "extraMessagesField": null,
        "PropertyChanged": null
    },
    {
        "actualClassField": " ",
        "ratedClassField": " ",
        "chargeField": 9.75,
        "codeField": "CAO",
        "descriptionField": "California Compliance Charge",
        "rateField": 0.0,
        "weightField": " ",
        "extraMessagesField": null,
        "PropertyChanged": null
    },
    {
        "actualClassField": " ",
        "ratedClassField": " ",
        "chargeField": 45.0,
        "codeField": "GSD",
        "descriptionField": "Government Site Delivery",
        "rateField": 0.0,
        "weightField": " ",
        "extraMessagesField": null,
        "PropertyChanged": null
    },
    {
        "actualClassField": " ",

```

```
        "ratedClassField": " ",
        "chargeField": 45.0,
        "codeField": "GSP",
        "descriptionField": "Government Site Pickup",
        "rateField": 0.0,
        "weightField": " ",
        "extraMessagesField": null,
        "PropertyChanged": null
    },
    {
        "actualClassField": " ",
        "ratedClassField": " ",
        "chargeField": 7.5,
        "codeField": "HND",
        "descriptionField": "Linehaul Surcharge - 14.90%",
        "rateField": 0.0,
        "weightField": " ",
        "extraMessagesField": "Linehaul Surcharge",
        "PropertyChanged": null
    },
    {
        "actualClassField": " ",
        "ratedClassField": " ",
        "chargeField": 32.0,
        "codeField": "CFC",
        "descriptionField": "Collect COD Fee",
        "rateField": 0.0,
        "weightField": " ",
        "extraMessagesField": null,
        "PropertyChanged": null
    },
    {
        "actualClassField": " ",
        "ratedClassField": " ",
        "chargeField": 12.08,
        "codeField": "FSC",
        "descriptionField": "Fuel Surcharge - 23.99 %",
        "rateField": 0.0,
        "weightField": " ",
        "extraMessagesField": null,
        "PropertyChanged": null
    }
},
```

```

        "originypeField": "O",
        "paymentTypeField": "P",
        "cODAmountField": 30.5,
        "shipmentDateField": "2019-11-29T15:14:00.8853044-06:00",
        "customerCubicFootField": 11,
        "hawaiianRatedCubicFootField": 0,
        "PropertyChanged": null
    },
    "Base64PDFData":
    "JVBERi0xLjcNJeLjz9MKMSAwIG9iag0KPDwgL1R5cGUgL1hPYmplY3QgL1N1YnR5cGUgL0ltYWdlIDQovTmFtZSAv
    WEFQRjFQMv8xNTc0MTkyNTgwXzANCi9XaWR0aCAgMjI5Ng0KL0hlaWdodCAgNTkxNQovQml0c1BlckNvbXBv
    bmVudCAgOA0KL0NvbG9yU3BhY2UgL0RldmljZVJHqiANCi9MZW5ndGggNjA4MzQNCi9GaWx0ZXIgaWwy9GbgF0
    ZURiY29kZSAvRENURGVjb2RlXQ0KPj4NCnN0cmVhbQ0KeJzsnX9cTNn
    }
    
```

Example Error Response Json –

```

{
  "HasError": true,
  "ErrorMessage": "Account number is not valid for this user."
}
    
```

| |
|---|
| Must provide MainAccountNumber |
| Authentication/Valid login is Required to Request a BOL |
| Inorder to get a Quote , Customer Type is required |
| Option ContactBeforeDeliver needs Consignee Email Address or Phone Number |
| Account number is not valid for this user |
| ShipDt must be today or in the future |
| Shipment Date should be within a month |
| Starting Position for Shipment Labels should be between 1 to 6 |
| The maximum Number of label can print is 10 |
| Amount of the COD fee must be less than 100,000.00 |

Appendix A – Valid Freight Classes

| ClassId | Description |
|---------|-------------|
| 50 | Class50 |
| 55 | Class55 |
| 60 | Class60 |
| 65 | Class65 |
| 70 | Class70 |
| 77.5 | Class77.5 |
| 85 | Class85 |
| 92.5 | Class92.5 |
| 100 | Class100 |
| 110 | Class110 |
| 125 | Class125 |
| 150 | Class150 |
| 175 | Class175 |
| 200 | Class200 |
| 250 | Class250 |
| 300 | Class300 |
| 400 | Class400 |
| 500 | Class500 |

Appendix B – Valid Request Service Codes

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|-----|--------------------|
| AHD | Apartment Delivery |
| AHP | Apartment Pickup |

| | |
|-----|-----------------------------|
| AID | Airport Site Delivery |
| AIP | Airport Site Pickup |
| AMD | Amusement Park Delivery |
| AMP | Amusement Park Pickup |
| APT | Appointment Charge |
| BSC | Blind Shipment Charge |
| CCD | Country Club/Golf Delivery |
| CCP | Country Club/Golf Pickup |
| CHD | Place of Worship – Delivery |
| CHP | Place of Worship – Pickup |
| CPD | Camp/Park/Resort Delivery |
| CPP | Camp/Park/Resort Pickup |

| | |
|-----|--|
| CSD | Construction Delivery |
| CSP | Construction Pickup |
| DCC | Distribution Center Delivery |
| ESD | Exhibition Site Delivery |
| EXH | Exhibition Site Pickup |
| EXL | Shipment contains article(s) 12 ft but less than 20 ft |
| EXM | Shipment contains article(s) 8 ft but less than 12 |

| | |
|-----|---|
| EXX | Shipment contains article(s) 20 ft or greater |
| FAD | Farm/Ranch Delivery |
| FAP | Farm/Ranch Pickup |
| FAB | Floor Above/Below Delivery |
| FSD | Forest Delivery |
| CCD | Golf-Country Club Delivery |
| GSD | Government Site Delivery |
| WCL | Hawaiian Will Call |
| HAZ | Hazardous Materials |
| HHD | Hotel Delivery |
| HHP | Hotel Pickup |
| IRD | Indian Reservation Delivery |
| ID | Inside Delivery |
| IP | Inside Pickup |
| LGD | Liftgate Delivery |
| LGP | Liftgate Pickup |
| PSM | Maintain Temperature |
| MSD | Mine Site Delivery |
| NBD | Non-Business Hours Delivery |
| NC | Notification Charge |
| NHD | Nursing Home Delivery |
| NHP | Nursing Home Pickup |

| | |
|-----|----------------------------|
| PWD | Pier Port or Warf Delivery |
| PWP | Pier Port or Warf Pickup |

| | |
|-----|--|
| PSD | Prison Delivery |
| PSC | Protect From Cold |
| PSH | Protect From Heat |
| RSD | Residential Delivery |
| RSP | Residential Pickup |
| SHD | School Site Delivery |
| SHP | School Site Pickup |
| SS | Single Shipment |
| SRT | Sort or Segregate |
| STD | Storage Unit Delivery |
| STP | Storage Unit Pickup |
| USD | Utility Site Delivery – Use for Limited Access |
| USP | Utility Site Pickup – Use for Limited Access |

If you encounter an undocumented Code or to refer other Roadrunner API's, please visit our website: <https://freight.rts.com/Pages/System-Integration.aspx> .

Appendix C – Unit/Package Description

| Description |
|-------------|
| Bag |
| Barrel |

| |
|----------|
| Bundle |
| Bucket |
| Bale |
| Basket |
| Bulkhead |
| Box |
| Chest |
| Coil |
| Carton |
| Cylinder |
| Drum |
| Keg |
| Piece(s) |
| Package |
| Pail |
| Pallet |
| Rack |
| Reel |
| Roll |
| Skid |
| Tube |
| Trailer |
| Tote |
| Trunk |

Crate