

RNS Shipment JSON  
Reference Manual  
1.0.2

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## Data

## Section: 1.1

Name:	data
Full Path:	rnsShipment.data
Type:	String Value
Is Required?:	No
Minimum Length:	8
Maximum Length:	20
JSON Reference Data:	<a href="https://borderconnect.com/data/data-types.json">https://borderconnect.com/data/data-types.json</a>

### Sample JSON:

```
"data": "RNS_SHIPMENT"
```

### Description:

- Used to indicate the type of data the JSON file contains.
- A list of acceptable data types can be found here: <http://borderconnect.com/borderconnect/data/data-types.json>

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## Company Key

Section: 1.2

Name:	companyKey
Full Path:	rnsShipment.companyKey
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	30

### Sample JSON:

```
"companyKey": "c-9000-2bcd8ae5954e0c48"
```

### Description:

- Used when connected as a service provider to identify which company account the API Response pertains to. Will exactly match company key for the account.

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## Cargo Control Number

Section: 1.3

Name:	cargoControlNumber
Full Path:	rnsShipment.cargoControlNumber
Type:	String Value
Is Required?:	Yes
Minimum Length:	8
Maximum Length:	25

### Sample JSON:

```
"cargoControlNumber": "12343545925"
```

### Description:

- Starts with carrier's 4 digit canadian carrier code followed by a unique reference number assigned by the carrier.
- Will be alpha-numeric (dash may also appear in first 4 positions if part of carrier code)
- Letters will always be upper case.

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## Transaction Number

Section: 1.4

Name:	transactionNumber
Full Path:	rnsShipment.transactionNumber
Type:	String Value
Is Required?:	Yes
Minimum Length:	8
Maximum Length:	25

### Sample JSON:

```
"transactionNumber": "734234832"
```

### Description:

- In almost all cases, will be exactly 14 digits numeric string, with the first 5 positions representing the customs broker's security code, and the remaining 9 being a unique number assigned by the customs broker.
- When rnsShipment.serviceOptionCode is 612 or 497, the transaction number will instead be identical to the cargo control number. This is because these are CSA clearance options, and there is no customs broker involved to provide a separate reference for the transaction.

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## Driver Name

Section: 1.5

Name:	driverName
Full Path:	rnsShipment.driverName
Type:	String Value
Is Required?:	No
Minimum Length:	2
Maximum Length:	110

### Sample JSON:

```
"driverName": "Avery Franklin Brooks"
```

### Description:

- Provided for ease of reference only, will be the full name of the driver associated with the RNS shipment, if the driver is known at the time of RNS message receipt. This would either be via ACI eManifest or a PARS sequence entered in BorderConnect prior to the receipt of the RNS message from CBSA.

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## Service Option

Section: 1.6

Name:	serviceOption
Full Path:	rnsShipment.serviceOption
Type:	Object
Is Required?:	No

### Sample JSON:

```
"serviceOption": {  
  "number": "125",  
  "name": "RMD, EDI"  
}
```

### Description:

- Indicates what type of filing has been done by the customs broker, or in the case of the CSA service options, the carrier.
- e.g. The PARS service options are used for declaring commercial goods prior to their arrival in Canada, and the RMD service options are used for declaring goods that are already in Canada but not yet customs released.
- Service options can be found here: <http://borderconnect.com/borderconnect/data/ca/rns/service-option-codes.json>

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## Service Option Number

Section: 1.6.1

Name:	number
Full Path:	rnsShipment.serviceOption.number
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	3
JSON Reference Data:	<a href="https://borderconnect.com/data/ca/rns/service-option-codes.json">https://borderconnect.com/data/ca/rns/service-option-codes.json</a>

### Sample JSON:

```
"number": "125"
```

### Description:

- Numeric string. Coded value of the service option.



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## Service Option Name

Section: 1.6.2

Name:	name
Full Path:	rnsShipment.serviceOption.name
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	30

### Sample JSON:

```
"name": "RMD, EDI"
```

### Description:

- Plain text description of the service option.

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## Release Office

Section: 1.7

Name:	releaseOffice
Full Path:	rnsShipment.releaseOffice
Type:	Object
Is Required?:	No

### Sample JSON:

```
"releaseOffice": {  
  "number": "3434",  
  "name": "Petawa"  
}
```

### Description:

- Indicates the CBSA port that has control over the current transaction.

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## Release Office Number

Section: 1.7.1

Name:	number
Full Path:	rnsShipment.releaseOffice.number
Type:	String Value
Is Required?:	Yes
Minimum Length:	4
Maximum Length:	4
JSON Reference Data:	<a href="https://borderconnect.com/data/ca/aci/ports.json">https://borderconnect.com/data/ca/aci/ports.json</a>

### Sample JSON:

```
"number": "3434"
```

### Description:

- Exactly 4 numbers matching a CBSA Release Office Port Code
- Port codes can be found here: <http://borderconnect.com/borderconnect/data/ca/aci/ports.json>
- Indicates the CBSA location where the cargo is or will be released.

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## Release Office Name

Section: 1.7.2

Name:	name
Full Path:	rnsShipment.releaseOffice.name
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	50

### Sample JSON:

```
"name": "Petawa"
```

### Description:

- Plain text name of the CBSA Release Office

## Section: 1.8

Name:	subLocation
Full Path:	rnsShipment.subLocation
Type:	Object
Is Required?:	No

## Sample JSON:

```
"subLocation": {  
  "code": "3434",  
  "name": "Pembroke",  
  "address": {  
    "addressLine": "142 Oak Lane",  
    "city": "Pembroke",  
    "stateProvince": "ON",  
    "stateProvinceName": "Ontario",  
    "country": "CA",  
    "countryName": "Canada",  
    "postalCode": "N1F4G8"  
  },  
  "portLocation": {  
    "number": "0453",  
    "name": "Windsor Ambassador Bridge"  
  }  
}
```

## Description:

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## Section: 1.8.1

Name:	code
Full Path:	rnsShipment.subLocation.code
Type:	String Value
Is Required?:	Yes
Minimum Length:	
Maximum Length:	

### Sample JSON:

```
"code": "3434"
```

### Description:

---

## Section: 1.8.2

Name:	name
Full Path:	rnsShipment.subLocation.name
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

### Sample JSON:

```
"name": "Pembroke"
```

### Description:

## Section: 1.8.3

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Name:	address
Full Path:	rnsShipment.subLocation.address
Type:	Object
Is Required?:	No

**Sample JSON:**

```
"address": {  
  "addressLine": "142 Oak Lane",  
  "city": "Pembroke",  
  "stateProvince": "ON",  
  "stateProvinceName": "Ontario",  
  "country": "CA",  
  "countryName": "Canada",  
  "postalCode": "N1F4G8"  
}
```

**Description:**



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### Section: 1.8.3.1

Name:	addressLine
Full Path:	rnsShipment.subLocation.address.addressLine
Type:	String Value
Is Required?:	Yes
Minimum Length:	
Maximum Length:	

#### Sample JSON:

```
"addressLine": "142 Oak Lane"
```

#### Description:

---

## Section: 1.8.3.2

Name:	city
Full Path:	rnsShipment.subLocation.address.city
Type:	String Value
Is Required?:	Yes
Minimum Length:	
Maximum Length:	

### Sample JSON:

```
"city": "Pembroke"
```

### Description:

---

### Section: 1.8.3.3

Name:	stateProvince
Full Path:	rnsShipment.subLocation.address.stateProvince
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

#### Sample JSON:

```
"stateProvince": "ON"
```

#### Description:

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## Section: 1.8.3.4

Name:	stateProvinceName
Full Path:	rnsShipment.subLocation.address.stateProvinceName
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

### Sample JSON:

```
"stateProvinceName": "Ontario"
```

### Description:

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## Section: 1.8.3.5

Name:	country
Full Path:	rnsShipment.subLocation.address.country
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

### Sample JSON:

```
"country": "CA"
```

### Description:

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## Section: 1.8.3.6

Name:	countryName
Full Path:	rnsShipment.subLocation.address.countryName
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

### Sample JSON:

```
"countryName": "Canada"
```

### Description:

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### Section: 1.8.3.7

Name:	postalCode
Full Path:	rnsShipment.subLocation.address.postalCode
Type:	String Value
Is Required?:	Yes
Minimum Length:	
Maximum Length:	

#### Sample JSON:

```
"postalCode": "N1F4G8"
```

#### Description:

---

## Section: 1.8.4

Name:	portLocation
Full Path:	rnsShipment.subLocation.portLocation
Type:	Object
Is Required?:	No

### Sample JSON:

```
"portLocation": {  
  "number": "0453",  
  "name": "Windsor Ambassador Bridge"  
}
```

### Description:



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## Section: 1.8.4.1

Name:	number
Full Path:	rnsShipment.subLocation.portLocation.number
Type:	String Value
Is Required?:	Yes
Minimum Length:	
Maximum Length:	

### Sample JSON:

```
"number": "0453"
```

### Description:

---

## Section: 1.8.4.2

Name:	name
Full Path:	rnsShipment.subLocation.portLocation.name
Type:	String Value
Is Required?:	Yes
Minimum Length:	
Maximum Length:	

### Sample JSON:

```
"name": "Windsor Ambassador Bridge"
```

### Description:

---

## Container Number

Section: 1.9

Name:	containerNumber
Full Path:	rnsShipment.containerNumber
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	1584

### Sample JSON:

```
"containerNumber": "3743"
```

### Description:

- Container number(s) associated with the transaction, if applicable. Will be listed in a single string value, separated by a comma and a space. Up to 99 container numbers may be listed, each of may be up to 14 characters long, alphanumeric.

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## ACI Trip Number

Section: 1.10

Name:	aciTripNumber
Full Path:	rnsShipment.aciTripNumber
Type:	String Value
Is Required?:	No
Minimum Length:	8
Maximum Length:	25

### Sample JSON:

```
"aciTripNumber": "43443534545"
```

### Description:

- Starts with carrier's 4 digit canadian carrier code followed by a unique reference number.
- Will be alphanumeric (dash also allowed in first 4 positions if part of carrier code), letters will be upper case.
- Represents the trip number of the associated ACI eManifest, if one exists at the time the RNS message is received from CBSA.

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## RNS Shipment Status

Section: 1.11

Name:	status
Full Path:	rnsShipment.status
Type:	Object
Is Required?:	No

### Sample JSON:

```
"status": {  
  "dateTime": "2014-11-01 01:50:22",  
  "releaseCode": {  
    "number": "4",  
    "shortName": "Released",  
    "longName": "Goods Released"  
  },  
  "deliveryInstructions": "Hey one two three"  
}
```

### Description:

- Used to convey full information with respect to the current status of the RNS shipment.

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## Date And Time

## Section: 1.11.1

Name:	dateTime
Full Path:	rnsShipment.status.dateTime
Type:	String Value
Is Required?:	Yes
Minimum Length:	19
Maximum Length:	19

### Sample JSON:

```
"dateTime": "2014-11-01 01:50:22"
```

### Description:

- The CBSA processing time that applies to the Status being indicated.
- Will be in format yyyy-mm-dd hh:mm:ss
- e.g. if the Release Code indicates the shipment is "Released", this is the time at which the shipment was released, according to CBSA.

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## Release Code

Section: 1.11.2

Name:	releaseCode
Full Path:	rnsShipment.status.releaseCode
Type:	Object
Is Required?:	Yes

### Sample JSON:

```
"releaseCode": {  
  "number": "4",  
  "shortName": "Released",  
  "longName": "Goods Released"  
}
```

### Description:

- Release codes can be found here:  
 </span><http://borderconnect.com/borderconnect/data/ca/aci/release-codes.json>
- Indicates what type of status the RNS shipment is in.

---

## Release Code Number

Section: 1.11.2.1

Name:	number
Full Path:	rnsShipment.status.releaseCode.number
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	2
JSON Reference Data:	<a href="https://borderconnect.com/data/ca/aci/release-codes.json">https://borderconnect.com/data/ca/aci/release-codes.json</a>

### Sample JSON:

```
"number": "4"
```

### Description:

- Numeric string. Coded value for the shipment status.
- e.g. Release Code "4" indicates the goods are released by customs, and the carrier can proceed to deliver them to the consignee in Canada. Release Code "5" indicates that a CBSA examination of the goods is required and arrangements should be made for the inspection.



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## Release Code Short Name

Section: 1.11.2.2

Name:	shortName
Full Path:	rnsShipment.status.releaseCode.shortName
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	35

### Sample JSON:

```
"shortName": "Released"
```

### Description:

- Short version description of the shipment status.

---

## Release Code Long Name

Section: 1.11.2.3

Name:	longName
Full Path:	rnsShipment.status.releaseCode.longName
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	100

### Sample JSON:

```
"longName": "Goods Released"
```

### Description:

- Long version description of the shipment status.

---

## Delivery Instructions

Section: 1.11.3

Name:	deliveryInstructions
Full Path:	rnsShipment.status.deliveryInstructions
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	140

### Sample JSON:

```
"deliveryInstructions": "Hey one two three"
```

### Description:

- Free text field.
- Contains delivery instructions or comments about the shipment entered by the customs broker.