ACE eManifest BorderConnect
JSON Reference Manual
1.0.7

Data   Section: 1.1

Name:	data
Full Path:	aceTrip.data
Type:	String Value
Is Required?:	Yes
Minimum Length:	8
Maximum Length:	20
Pattern:	^ACE_TRIP$
JSON Reference Data:	https://borderconnect.com/data/data-types.json

Sample JSON:

"data": "ACE_TRIP"

Description:

- Used to indicate the type of data the JSON file contains. For example, if you intend to upload a complete ACE Trip, you should use the value "ACE_TRIP", but if you are only uploading ACE Shipments, you should use "ACE_SHIPMENT".
- A list of acceptable data types can be found here: http://borderconnect.com/borderconnect/data/data-types.json

Send ID

Section: 1.2

Name:	sendId
Full Path:	aceTrip.sendId
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	68

Sample JSON:

```
"sendId": "001"
```

Description:

– Unique ID assigned by the software integrating with BorderConnect.
– Will be quoted in server responses related to your JSON upload.
– e.g. if this is an ACE Trip Create operation, the server response advising the success or failure of the create will quote the value you provide in this field.
– This field is never required, nor will any validation prevent you from duplicating send IDs.

Company Key   Section: 1.3

Name:	companyKey
Full Path:	aceTrip.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 data upload pertains to. Must exactly match company key for the account.

– Mandatory when connected as a service provider. Will be ignored otherwise.

Operation

Section: 1.4

Name:	operation
Full Path:	aceTrip.operation
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	10
JSON Reference Data:	https://borderconnect.com/data/operation-types.json

Sample JSON:

"operation": "CREATE"

Description:

- Specifies what type of operation should be performed on the included trip data in BorderConnect. Will default to "CREATE" if not provided.
- For a full list of supported operations, click here: http://borderconnect.com/borderconnect/data/operation-types.json
- Values of "UPDATE" and "DELETE" cannot be used with autoSend set to false if the trip is on file with CBP.
- Conversely, "UPDATE" and "DELETE" values used with autoSend set to true will only work if the trip is on file with CBP. See autoSend data element for more information.

Trip Number

Section: 1.5

Name:	tripNumber
Full Path:	aceTrip.tripNumber
Type:	String Value
Is Required?:	Yes
Minimum Length:	8
Maximum Length:	25
Pattern:	^[A-Z]{4}[A-Z0-9]{4,21}$

Sample JSON:

"tripNumber": "TEST0001"

Description:

- Trip Number is always required.
- Starts with carrier's 4 letter SCAC code followed by unique reference number
- Must be alpha-numeric with no spaces or special characters, letters must be upper case

U.S. Port of Arrival   Section: 1.6

Name:	usPortOfArrival
Full Path:	aceTrip.usPortOfArrival
Type:	String Value
Is Required?:	Yes
Minimum Length:	4
Maximum Length:	4
Pattern:	^[0-9]{4}$
JSON Reference Data:	https://borderconnect.com/data/us/ace/us-port-codes.json

Sample JSON:

"usPortOfArrival": "3801"

Description:

- Exactly 4 numbers matching U.S. Port Code
- Please note many port codes have a leading zero that must be transmitted.
- Port codes can be found here: http://borderconnect.com/borderconnect/data/us/ace/us-port-codes.json
- Used to indicate the city where the driver first enters the U.S. e.g. for a truck crossing out of Windsor, ON the U.S. Port of Arrival would be 3801 (for Detroit, MI)

Estimated Arrival Date and Time   Section: 1.7

Name:	estimatedArrivalDateTime
Full Path:	aceTrip.estimatedArrivalDateTime
Type:	String Value
Is Required?:	Yes
Minimum Length:	19
Maximum Length:	19
Pattern:	^[2-9][0-9]{3}-[0-1][0-9]-[0-3][0-9]\s[0-2][0-9]:[0-5][0-9]:[0-5][0-9]$

Sample JSON:

"estimatedArrivalDateTime": "2014-12-31 13:15:00"

Description:

- Exactly 19 characters in the format "yyyy-mm-dd hh:mm:ss" where the hours are according to a 24 hour clock aka military time
- Will be rounded to nearest 15 minute interval
- Note the space between the date and time elements of the string is mandatory
- Used to indicate the expected time that the driver will arrive at the U.S. Port of Arrival

Section: 1.8

Name:	estimatedArrivalTimeZone
Full Path:	aceTrip.estimatedArrivalTimeZone
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

Sample JSON:

"estimatedArrivalTimeZone": "EST"

Description:

Instruments of International Traffic   Section: 1.9

Name:	instrumentsOfInternationalTrafficBond
Full Path:	aceTrip.instrumentsOfInternationalTrafficBond
Type:	Object
Is Required?:	No

Sample JSON:

```
"instrumentsOfInternationalTrafficBond": {
   "type": "IMPORTER"
}
```

Description:

- Only required when there are empty Instruments of International Traffic aboard, the release of which are covered under 10.41a
- When reporting Instruments of International Traffic (IIT) on the trip, nothing should be reported with respect to the IITs under aceTrip.shipments
- For more information on customs release requirements of IITs see:
  http://borderconnect.com/wiki/index.php/Instruments_of_International_Traffic

IIT Bond Type

Section: 1.9.1

Name:	type
Full Path:	aceTrip.instrumentsOfInternationalTrafficBond.type
Type:	String Value
Is Required?:	No
Minimum Length:	7
Maximum Length:	8
Pattern:	^[A-Z]{7,8}$

Sample JSON:

"type": "IMPORTER"

Description:

– If not provided, will default to "IMPORTER"

– Only values of "CARRIER" or "IMPORTER" accepted

– Used to indicate which party holds the IIT bond which covers the Instruments of International Traffic being declared. Unless the carrier is the owner of the IITs, this will always be the importer.

Truck (Vehicle)

Section: 1.10

Name: truck
Full Path: aceTrip.truck
Type: Object
Is Required?:   Yes

Sample JSON:

```
"truck": {
    "number": "TR001",
    "type": "TR",
    "vinNumber": "1FUJA6CK123456789",
    "dotNumber": "123456",
    "transponderNumber": "0204A9F123456789",
    "insurancePolicy": {
        "insuranceCompanyName": "ABC Insurance Services",
        "policyNumber": "CGOG12345678",
        "issuedDate": "2014-01-31",
        "policyAmount": 500000000
    },
    "licensePlates": [
        {
            "number": "ABC123",
            "stateProvince": "ON"
        }
    ],
    "sealNumbers": [
        "SEAL1",
        "SEAL2"
    ],
    "comments": [
        "my vehicle note"
    ]
}
```

Description:

– See individual field elements below

– Used to provide information with regard to the vehicle being used for transport aka the conveyance

Truck Unit Number

Section: 1.10.1

Name:	number
Full Path:	aceTrip.truck.number
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	17
Pattern:	^[A-Z0-9\s-]{1,17}$

Sample JSON:

"number": "TR001"

Description:

– Must be alphanumeric with no special characters. Spaces or dashes are allowed. Letters must be uppercase.

– Carrier's way of identifying the truck i.e. the unit number assigned to the truck by the carrier

Truck Type (Vehicle Type)   Section: 1.10.2

Name:	type
Full Path:	aceTrip.truck.type
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	2
Pattern:	^[A-Z]{2}$
JSON Reference Data:	https://borderconnect.com/data/truck-types.json

Sample JSON:

"type": "TR"

Description:

– Required for each truck

– 2 digit code can be found here (http://borderconnect.com/borderconnect/data/truck-types.json

Truck VIN Number

Section: 1.10.3

Name:	vinNumber
Full Path:	aceTrip.truck.vinNumber
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	30
Pattern:	^[A-Z0-9]{1,30}$

Sample JSON:

"vinNumber": "1FUJA6CK123456789"

Description:

– Must be alphanumeric with no spaces or special characters. Letters must be uppercase.

– Unique identification number stamped on the vehicle by the manufacturer and typically included on ownership and licensing documentation

DOT Number

Section: 1.10.4

Name:	dotNumber
Full Path:	aceTrip.truck.dotNumber
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	8
Pattern:	^[0-9]{1,8}$

Sample JSON:

`"dotNumber": "123456"`

Description:

– Numeric string, including leading zeroes if applicable.

– Used to indicate the Department of Transportation Number (DOT Number) of the vehicle

– Not required for vehicles exempt from registering with the U.S. Department of Transportation

Transponder Number

Section: 1.10.5

Name:	transponderNumber
Full Path:	aceTrip.truck.transponderNumber
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	50
Pattern:	^[A-Z0-9]{1,50}$

Sample JSON:

"transponderNumber": "0204A9F123456789"

Description:

– Alphanumeric only, no spaces or special characters.

– Used to indicate the transponder number of the truck

– Only required if the truck has a transponder (device used to automatically pay the CBP user fee)

Insurance Policy

Section: 1.10.6

Name: insurancePolicy
Full Path: aceTrip.truck.insurancePolicy
Type: Object
Is Required?:   No

Sample JSON:

```
"insurancePolicy": {
    "insuranceCompanyName": "ABC Insurance Services",
    "policyNumber": "CGOG12345678",
    "issuedDate": "2014-01-31",
    "policyAmount": 500000000
}
```

Description:

– Only required when hazardous materials are aboard
– See individual field elements below

Insurance Company Name

Section: 1.10.6.1

Name:	insuranceCompanyName
Full Path:	aceTrip.truck.insurancePolicy.insuranceCompanyName
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	60
Pattern:	^[a-zA-Z0-9\s-\.-\/\\]{1,60}$

Sample JSON:

"insuranceCompanyName": "ABC Insurance Services"

Description:

– Name of the insurance company providing the policy that covers the truck

– Free form text field, should not contain special characters

Insurance Policy Number

Section: 1.10.6.2

Name:	policyNumber
Full Path:	aceTrip.truck.insurancePolicy.policyNumber
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	50
Pattern:	^[a-zA-Z0-9-]{1,50}$

Sample JSON:

"policyNumber": "CGOG12345678"

Description:

– Policy Number of the Insurance Policy covering the truck
– Alphanumeric with no spaces or special characters

Insurance Policy Issue Date

Section: 1.10.6.3

Name:	issuedDate
Full Path:	aceTrip.truck.insurancePolicy.issuedDate
Type:	String Value
Is Required?:	Yes
Minimum Length:	10
Maximum Length:	10
Pattern:	^[0-9]{4}-[0-1][0-9]-[0-3][0-9]$

Sample JSON:

"issuedDate": "2014-01-31"

Description:

- Must be exactly 10 characters in the format "yyyy-mm-dd"
- Represents the issue date of the insurance policy covering the truck

Insurance Policy Amount

Section: 1.10.6.4

Name: policyAmount
Full Path: aceTrip.truck.insurancePolicy.policyAmount
Type: Numeric Value
Is Required?:   Yes

Sample JSON:

"policyAmount": 500000000

Description:

– Represents the dollar amount of the insurance policy covering the truck.

– Must be a whole number.

Truck License Plates

Section: 1.10.7

Name: licensePlates
Full Path: aceTrip.truck.licensePlates
Type: Array<JsonObject>
Is Required?: Yes
Minimum Items (of elements in array): 1
Maximum Items (of elements in array): 2

Sample JSON:

```
[
  {
    "number": "ABC123",
    "stateProvince": "ON"
  }
]
```

Description:

– Usually only one truck license plate is accepted, but trucks registered in Mexico can provide both a Mexican and US plate.

Truck License Plate

Section: 1.10.7.1

Name: licensePlate
Full Path: aceTrip.truck.licensePlates.licensePlate
Type: Object
Is Required?:   Yes

Sample JSON:

```
{
  "number": "ABC123",
  "stateProvince": "ON"
}
```

Description:

– The license plate of the truck, see individual field elements below

Truck License Plate Number

Section: 1.10.7.1.1

Name: number
Full Path: aceTrip.truck.licensePlates.licensePlate.number
Type: String Value
Is Required?:   Yes
Minimum Length: 1
Maximum Length: 17
Pattern: ^[A-Z0-9]{1,17}$

Sample JSON:

"number": "ABC123"

Description:

– Alphanumeric with no spaces or special characters. Letters must be uppercase.

Truck License Plate State or Province

Section: 1.10.7.1.2

Name:	stateProvince
Full Path:	aceTrip.truck.licensePlates.licensePlate.stateProvince
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	3
Pattern:	^[A-Z]{2,3}$
JSON Reference Data:	https://borderconnect.com/data/state-province.json

Sample JSON:

"stateProvince": "ON"

Description:

- A list of valid state province codes can be found here: (http://borderconnect.com/borderconnect/data/state-province.json)

- Represents the state or province that issued the license plate

Truck Seal Numbers   Section: 1.10.8

Name:	sealNumbers
Full Path:	aceTrip.truck.sealNumbers
Type:	Array<String>
Is Required?:	No
Minimum Length (of element in array):	2
Maximum Length (of element in array):	15
Minimum Items (of elements in array):	0
Maximum Items (of elements in array):	4

Sample JSON:

"sealNumbers": ["SEAL1", "SEAL2"]

Description:

– Each seal number must be a string value between 2 and 15 characters alphanumeric

– No more than 4 seal numbers are allowed in the array

– Used to identify security seals affixed to the truck. Only required when security seals are being used.

– If truck is pulling a trailer, seal numbers should be reported under aceTrip.trailers.trailer.sealNumbers instead

Truck Comments   Section: 1.10.9

Name:	comments
Full Path:	aceTrip.truck.comments
Type:	Array<String>
Is Required?:	No
Minimum Length (of element in array):	1
Maximum Length (of element in array):	1000
Minimum Items (of elements in array):	0
Maximum Items (of elements in array):	20

Sample JSON:

"comments": ["my vehicle note"]

Description:

– Freeform array of string values, each value may be between 1 and 1000 characters

– No more than 20 elements are allowed in the array

– Please note comments to the truck are not transmitted to customs, they are intended for user reference only

Trailers

Section: 1.11

Name:	trailers
Full Path:	aceTrip.trailers
Type:	Array<JsonObject>
Is Required?:	No
Minimum Items (of elements in array):	0
Maximum Items (of elements in array):	9999

Sample JSON:

```
[
  {
    "number": "TR1234",
    "type": "CH",
    "licensePlates": [
      {
        "number": "XYZ123",
        "stateProvince": "ON"
      }
    ],
    "sealNumbers": [
      "SEAL3",
      "SEAL4"
    ],
    "aceId": "D8143D"
  }
]
```

Description:

– Used to identify trailers being pulled by the truck.

– Only required when truck has one or more trailers attached.

– Up to 9999 trailers are allowed in the array

Trailer

Section: 1.11.1

Name: trailer
Full Path: aceTrip.trailers.trailer
Type: Object
Is Required?:   No

Sample JSON:

```json
{
  "number": "TR1234",
  "type": "CH",
  "licensePlates": [
    {
      "number": "XYZ123",
      "stateProvince": "ON"
    }
  ],
  "sealNumbers": [
    "SEAL3",
    "SEAL4"
  ],
  "aceId": "D8143D"
}
```

Description:

- Used to report an individual trailer being pulled by the truck, see individual field elements below

Trailer Number

Section: 1.11.1.1

Name: number
Full Path: aceTrip.trailers.trailer.number
Type: String Value
Is Required?: Yes
Minimum Length: 1
Maximum Length: 15
Pattern: ^[A-Z0-9\s-\/\\]{1,15}$

Sample JSON:

"number": "TR1234"

Description:

– Alphanumeric with no special characters. Spaces and dashes are allowed. Letters must be uppercase.

– Used to indicate the unit number of the trailer as assigned by the carrier.

Trailer Type

Section: 1.11.1.2

Name:	type
Full Path:	aceTrip.trailers.trailer.type
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	2
Pattern:	^[A-Z0-9]{2}$
JSON Reference Data:	https://borderconnect.com/data/trailer-types.json

Sample JSON:

"type": "CH"

Description:

- A list of valid trailer type codes can be found here: (http://borderconnect.com/borderconnect/data/trailer-types.json)

Trailer License Plates

Section: 1.11.1.3

Name: licensePlates
Full Path: aceTrip.trailers.trailer.licensePlates
Type: Array<JsonObject>
Is Required?:   Yes
Minimum Items (of elements in array):   1
Maximum Items (of elements in array):   3

Sample JSON:

```
[
  {
    "number": "XYZ123",
    "stateProvince": "ON"
  }
]
```

Description:

- License plates for trailer. Please note multi-plate trailers are only compatible with ACE eManifest and will not work for ACI.

Trailer License Plate

Section: 1.11.1.3.1

Name: licensePlate
Full Path: aceTrip.trailers.trailer.licensePlates.licensePlate
Type: Object
Is Required?:   Yes

Sample JSON:

```
{
   "number": "XYZ123",
   "stateProvince": "ON"
}
```

Description:

– The license plate of the trailer. See individual field elements below

Trailer License Plate Number

Section: 1.11.1.3.1.1

Name:	number
Full Path:	aceTrip.trailers.trailer.licensePlates.licensePlate.number
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	50
Pattern:	^[A-Z0-9]{1,50}$

Sample JSON:

"number": "XYZ123"

Description:

– License plate number of the trailer

– Alphanumeric with no spaces or special characters. Letters must be uppercase.

Trailer License Plate State Province

Section: 1.11.1.3.1.2

Name:	stateProvince
Full Path:	aceTrip.trailers.trailer.licensePlates.licensePlate.stateProvince
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	3
Pattern:	^[A-Z]{2,3}$
JSON Reference Data:	https://borderconnect.com/data/state-province.json

Sample JSON:

"stateProvince": "ON"

Description:

- A list of valid state province codes can be found here: (http://borderconnect.com/borderconnect/data/state-province.json)
- Used to indicate the state or province that issued the license plate

Trailer Seal Numbers   Section: 1.11.1.4

Name: sealNumbers
Full Path: aceTrip.trailers.trailer.sealNumbers
Type: Array<String>
Is Required?:   No
Minimum Length (of element in array):   2
Maximum Length (of element in array):   15
Minimum Items (of elements in array):   0
Maximum Items (of elements in array):   4

Sample JSON:

"sealNumbers": ["SEAL3", "SEAL4"]

Description:

– Each seal number must be a string value between 2 and 15 characters alphanumeric
– No more than 4 seal numbers are allowed in the array
– Used to identify security seals affixed to the trailer. Only required when security seals are being used.

Trailer ACE ID   Section: 1.11.1.5

Name:	aceId
Full Path:	aceTrip.trailers.trailer.aceId
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	80

Sample JSON:

"aceId": "D8143D"

Description:

– The CBP ACE ID of the trailer, if the trailer is registered in ACE. Must be a valid ID if provided. i.e. must not be the plate or unit number of the trailer, or anything else external to CBP systems.

Drivers

Section: 1.12

Name: drivers
Full Path: aceTrip.drivers
Type: Array<JsonObject>
Is Required?:   Yes
Minimum Items (of elements in array):   1
Maximum Items (of elements in array):   25

Sample JSON:

[{}]

Description:

- The total number of aceTrip.drivers and aceTrip.passengers must not exceed 25
- Used to report driver information to customs
- A person does not have to be behind the wheel at the time of crossing to be reported as a driver, any individual aboard who is a commercial driver should be reported as a driver, rather than a passenger.

Driver

Section: 1.12.1

Name:	driver
Full Path:	aceTrip.drivers.driver
Type:	Object
Is Required?:	Yes

Sample JSON:

```
{}
```

Description:

– See individual field elements below

Driver Number

Section: 1.12.1.1

Name:	driverNumber
Full Path:	aceTrip.drivers.driver.driverNumber
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	50
Pattern:	^[a-zA-Z0-9\s-\/\\#\._]{1,50}$

Sample JSON:

"driverNumber": "DR9393"

Description:

– Freetext field

– Not transmitted to customs.

– Used to indicate an employee or unit number associated with the driver.

Driver First Name

Section: 1.12.1.2

Name:	firstName
Full Path:	aceTrip.drivers.driver.firstName
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	35
Pattern:	^[a-zA-Z0-9\s-\.]{1,35}$

Sample JSON:

"firstName": "Avery"

Description:

– Freetext field, no special characters. Spaces, periods, dashes and apostrophes are allowed.

– First name of the driver

Driver Middle Name or Initial

Section: 1.12.1.3

Name:	middleName
Full Path:	aceTrip.drivers.driver.middleName
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	25
Pattern:	^[a-zA-Z0-9\s-\.]{1,25}$

Sample JSON:

"middleName": "Franklin"

Description:

– Freetext field, no special characters. Spaces, periods, dashes and apostrophes are allowed.

– The middle name or initial of the driver

Driver Last Name

Section: 1.12.1.4

Name:	lastName
Full Path:	aceTrip.drivers.driver.lastName
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	40
Pattern:	^[a-zA-Z0-9\s-\.]{1,40}$

Sample JSON:

"lastName": "Brooks"

Description:

– Freetext field, no special characters. Spaces, periods, dashes and apostrophes are allowed.

– The last name of the driver

Driver Gender

Section: 1.12.1.5

Name:	gender
Full Path:	aceTrip.drivers.driver.gender
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	1
Pattern:	^[MF]$

Sample JSON:

```
"gender": "M"
```

Description:

– Acceptable values are "M" for male and "F" for female

– This field is REQUIRED when aceTrip.drivers.driver.fastCardNumber is not provided

Driver Date of Birth

Section: 1.12.1.6

Name:	dateOfBirth
Full Path:	aceTrip.drivers.driver.dateOfBirth
Type:	String Value
Is Required?:	No
Minimum Length:	10
Maximum Length:	10
Pattern:	^[0-9]{4}-[0-1][0-9]-[0-3][0-9]$

Sample JSON:

"dateOfBirth": "1948-10-02"

Description:

– Exactly 10 characters in the format "yyyy-mm-dd"

– Date of birth of the driver

– This field is REQUIRED when aceTrip.drivers.driver.fastCardNumber is not provided

Driver Citizenship

Section: 1.12.1.7

Name:	citizenshipCountry
Full Path:	aceTrip.drivers.driver.citizenshipCountry
Type:	String Value
Is Required?:	No
Minimum Length:	2
Maximum Length:	2
Pattern:	^[A-Z]{2}$
JSON Reference Data:	https://borderconnect.com/data/countries.json

Sample JSON:

"citizenshipCountry": "US"

Description:

– A list of valid country codes can be found here: (http://borderconnect.com/borderconnect/data/countries.json)
– The citizenship of the driver. If driver is a citizen of more than one country, the country matching the travel documents the driver will present to customs should be selected
– This field is REQUIRED when aceTrip.drivers.driver.fastCardNumber is not provided

Driver FAST Card Number

Section: 1.12.1.8

Name:	fastCardNumber
Full Path:	aceTrip.drivers.driver.fastCardNumber
Type:	String Value
Is Required?:	No
Minimum Length:	14
Maximum Length:	14
Pattern:	^4270[0-9]{8}0[12]{1}$

Sample JSON:

"fastCardNumber": "42700012345601"

Description:

– 14 numeric characters exactly, beginning with "4270" or "4110" and ending in either "00", "01", or "02"

– FAST ID of the driver. Required field when driver is FAST approved.

Driver Travel Documents

Section: 1.12.1.9

Name:	travelDocuments
Full Path:	aceTrip.drivers.driver.travelDocuments
Type:	Array<JsonObject>
Is Required?:	No
Minimum Items (of elements in array):	0
Maximum Items (of elements in array):	3

Sample JSON:

```
[
  {
    "number": "A123456789012",
    "type": "5K",
    "stateProvince": "ON",
    "country": "CA"
  },
  {
    "number": "B45454",
    "type": "6W",
    "stateProvince": "ON",
    "country": "CA"
  }
]
```

Description:

– Used to report the driver's travel documents, aka pieces of identification.
– This array is REQUIRED when aceTrip.drivers.driver.fastCardNumber is not provided
– No more than 3 travel documents allowed in the array
– Array must contain at least one travel document of either the type "Commercial Driver's License" (code 5K), "Driver's License" (code 5J) or "Enhanced Driver's License" (code 6W)
– If array does not contain a travel document of type Enhanced Driver's License (code 6W), then array must contain at least 2 travel documents
– Array must not contain more than one travel document of the same type

Driver Travel Document

Section: 1.12.1.9.1

Name:	travelDocument
Full Path:	aceTrip.drivers.driver.travelDocuments.travelDocument
Type:	Object
Is Required?:	No

Sample JSON:

```json
{
  "number": "A123456789012",
  "type": "5K",
  "stateProvince": "ON",
  "country": "CA"
}
```

Description:

– Used to report a driver's individual travel document, see individual field elements below

Driver Travel Document Number

Section: 1.12.1.9.1.1

Name: number
Full Path: aceTrip.drivers.driver.travelDocuments.travelDocument.number
Type: String Value
Is Required?:   Yes
Minimum Length: 1
Maximum Length: 50
Pattern: ^[A-Za-z0-9\s-\/\\]{1,50}$

Sample JSON:

"number": "A123456789012"

Description:

– Alphanumeric, dashes and spaces allowed, no other characters.

– Number of the travel document. e.g. passport number if document is a passport

Driver Travel Document Type

Section: 1.12.1.9.1.2

Name:	type
Full Path:	aceTrip.drivers.driver.travelDocuments.travelDocument.type
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	3
Pattern:	^[A-Za-z0-9]{2,3}$
JSON Reference Data:	https://borderconnect.com/data/travel-document-types.json

Sample JSON:

"type": "5K"

Description:

- A list of valid travel document type codes can be found here: (http://borderconnect.com/borderconnect/data/travel-document-types.json)
- The type of travel document being reported.
- Please note that a FAST card is not reported as a travel document, it would need to be reported under aceTrip.drivers.driver.fastCardNumber
- A driver cannot list a travel document of type Driver's License (code 5J). Instead, type Commercial Driver's License (code 5K) should be used

Driver Travel Document State or Province

Section: 1.12.1.9.1.3

Name:	stateProvince
Full Path:	aceTrip.drivers.driver.travelDocuments.travelDocument.stateProvince
Type:	String Value
Is Required?:	No
Minimum Length:	2
Maximum Length:	3
Pattern:	^[A-Z]{2,3}$
JSON Reference Data:	https://borderconnect.com/data/state-province.json

Sample JSON:

"stateProvince": "ON"

Description:

- A list of valid state province codes can be found here: (http://borderconnect.com/borderconnect/data/state-province.json)
- This field is REQUIRED when travel document type is Commercial Driver's License (code 5K) or Enhanced Driver's License (code 6W), otherwise it should not be supplied
- The state or province that issued the travel document

Driver Travel Document Country

Section: 1.12.1.9.1.4

Name:	country
Full Path:	aceTrip.drivers.driver.travelDocuments.travelDocument.country
Type:	String Value
Is Required?:	No
Minimum Length:	2
Maximum Length:	2
Pattern:	^[A-Z]{2,2}$
JSON Reference Data:	https://borderconnect.com/data/countries.json

Sample JSON:

"country": "CA"

Description:

- A list of valid country codes can be found here: (http://borderconnect.com/borderconnect/data/countries.json)
- This field is REQUIRED when travel document type is ANYTHING OTHER than Commercial Driver's License (code 5K) or Enhanced Driver's License (code 6W), otherwise it should not be supplied
- The country that issued the travel document

Driver Comments

Section: 1.12.1.10

Name:	comments
Full Path:	aceTrip.drivers.driver.comments
Type:	Array<String>
Is Required?:	No
Minimum Length (of element in array):	1
Maximum Length (of element in array):	1000
Minimum Items (of elements in array):	0
Maximum Items (of elements in array):	20

Sample JSON:

"comments": ["This is a driver comment"]

Description:

– Freeform array of string values, each value may be between 1 and 1000 characters

– No more than 20 elements are allowed in the array

– Please note comments to the driver are not transmitted to customs, they are intended for user reference only

U.S. Address   Section: 1.12.1.11

Name: usAddress
Full Path: aceTrip.drivers.driver.usAddress
Type: Object
Is Required?:   No

Sample JSON:

```
"usAddress": {
   "addressLine": "1234 Detroit St.Suite 100",
   "city": "Detroito",
   "state": "MI",
   "zipCode": "33000"
}
```

Description:

– REQUIRED when neither driver.fastCardNumber nor aceTrip.shipments is provided
– Even when aceTrip.shipments is provided, will still be required if no provided aceTrip.shipments.shipment.consignee
  contains a U.S. address
– Used to indicate to customs a location in the U.S. that the driver is going to. It does not represent the driver's place of
  residence. U.S. Address will default to consignee address if not provided.

U.S. Address Line

Section: 1.12.1.11.1

Name:	addressLine
Full Path:	aceTrip.drivers.driver.usAddress.addressLine
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	100

Sample JSON:

"addressLine": "1234 Detroit St.Suite 100"

Description:

– Free form text field, should not contain special characters
– The street address portion of the U.S. Address

U.S. Address City

Section: 1.12.1.11.2

Name:	city
Full Path:	aceTrip.drivers.driver.usAddress.city
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	30
Pattern:	^[A-Za-z0-9-\s\.,\']{2,30}$

Sample JSON:

"city": "Detroito"

Description:

– Free form text field, should not contain special characters

U.S. Address State

Section: 1.12.1.11.3

Name:	state
Full Path:	aceTrip.drivers.driver.usAddress.state
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	2
Pattern:	^[A-Z]{2}$
JSON Reference Data:	https://borderconnect.com/data/state-province.json

Sample JSON:

"state": "MI"

Description:

- A list of valid state province codes can be found here: (http://borderconnect.com/borderconnect/data/state-province.json)
- Please note that because this address must be in the U.S., only the U.S. portion of this code table should be used for this field

U.S. Address Zip Code

Section: 1.12.1.11.4

Name:	zipCode
Full Path:	aceTrip.drivers.driver.usAddress.zipCode
Type:	String Value
Is Required?:	Yes
Minimum Length:	5
Maximum Length:	10
Pattern:	^[0-9-]{5,10}$

Sample JSON:

"zipCode": "33000"

Description:

– Must be in either the format "12345" or "12345-6789"

– All numeric unless the 10 character format is used, in which case a dash is required at position 6

Section: 1.12.1.12

Name: primaryEmail
Full Path: aceTrip.drivers.driver.primaryEmail
Type: Object
Is Required?:   No

Sample JSON:

```
"primaryEmail": {
   "emailAddress": "avery.brooks1@mailprovider.com",
   "receiveAci": false,
   "receivePars": false,
   "receiveAce": true,
   "receiveEntryNumbers": false
}
```

Description:

Name: emailAddress
Full Path: aceTrip.drivers.driver.primaryEmail.emailAddress
Type: String Value
Is Required?:   No
Minimum Length:
Maximum Length:

Sample JSON:

"emailAddress": "avery.brooks1@mailprovider.com"

Description:

Section: 1.12.1.12.2

Name: receiveAci
Full Path: aceTrip.drivers.driver.primaryEmail.receiveAci
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

```
"receiveAci": false
```

Description:

Name: receivePars
Full Path: aceTrip.drivers.driver.primaryEmail.receivePars
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receivePars": false

Description:

Section: 1.12.1.12.4

Name: receiveAce
Full Path: aceTrip.drivers.driver.primaryEmail.receiveAce
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receiveAce": true

Description:

Section: 1.12.1.12.5

Name: receiveEntryNumbers
Full Path: aceTrip.drivers.driver.primaryEmail.receiveEntryNumbers
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receiveEntryNumbers": false

Description:

Section: 1.12.1.13

Name:	secondaryEmail
Full Path:	aceTrip.drivers.driver.secondaryEmail
Type:	Object
Is Required?:	No

Sample JSON:

```
"secondaryEmail": {
   "emailAddress": "avery.brooks2@mailprovider.com",
   "receiveAci": false,
   "receivePars": false,
   "receiveAce": true,
   "receiveEntryNumbers": false
}
```

Description:

Section: 1.12.1.13.1

Name:	emailAddress
Full Path:	aceTrip.drivers.driver.secondaryEmail.emailAddress
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

Sample JSON:

"emailAddress": "avery.brooks2@mailprovider.com"

Description:

Section: 1.12.1.13.2

Name: receiveAci
Full Path: aceTrip.drivers.driver.secondaryEmail.receiveAci
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receiveAci": false

Description:

Name: receivePars
Full Path: aceTrip.drivers.driver.secondaryEmail.receivePars
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receivePars": false

Description:

Section: 1.12.1.13.4

Name: receiveAce
Full Path: aceTrip.drivers.driver.secondaryEmail.receiveAce
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receiveAce": true

Description:

Section: 1.12.1.13.5

Name: receiveEntryNumbers
Full Path: aceTrip.drivers.driver.secondaryEmail.receiveEntryNumbers
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receiveEntryNumbers": false

Description:

Section: 1.12.1.14

Name: primaryCellPhone
Full Path: aceTrip.drivers.driver.primaryCellPhone
Type: Object
Is Required?:   No

Sample JSON:

```
"primaryCellPhone": {
    "number": "444-444-4444",
    "receiveAci": false,
    "receivePars": false,
    "receiveAce": true,
    "receiveEntryNumbers": false
}
```

Description:

Section: 1.12.1.14.1

Name:	number
Full Path:	aceTrip.drivers.driver.primaryCellPhone.number
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

Sample JSON:

```
"number": "444-444-4444"
```

Description:

Section: 1.12.1.14.2

Name: receiveAci
Full Path: aceTrip.drivers.driver.primaryCellPhone.receiveAci
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receiveAci": false

Description:

Section: 1.12.1.14.3

Name: receivePars
Full Path: aceTrip.drivers.driver.primaryCellPhone.receivePars
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receivePars": false

Description:

Section: 1.12.1.14.4

Name: receiveAce
Full Path: aceTrip.drivers.driver.primaryCellPhone.receiveAce
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receiveAce": true

Description:

Section: 1.12.1.14.5

Name:	receiveEntryNumbers
Full Path:	aceTrip.drivers.driver.primaryCellPhone.receiveEntryNumbers
Type:	Boolean Value
Is Required?:	Yes

Sample JSON:

"receiveEntryNumbers": false

Description:

Section: 1.12.1.15

Name: secondaryCellPhone
Full Path: aceTrip.drivers.driver.secondaryCellPhone
Type: Object
Is Required?:   No

Sample JSON:

```
"secondaryCellPhone": {
   "number": "555-555-5555",
   "receiveAci": false,
   "receivePars": false,
   "receiveAce": true,
   "receiveEntryNumbers": false
}
```

Description:

Section: 1.12.1.15.1

Name:	number
Full Path:	aceTrip.drivers.driver.secondaryCellPhone.number
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

Sample JSON:

```
"number": "555-555-5555"
```

Description:

Section: 1.12.1.15.2

Name: receiveAci
Full Path: aceTrip.drivers.driver.secondaryCellPhone.receiveAci
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receiveAci": false

Description:

Section: 1.12.1.15.3

Name: receivePars
Full Path: aceTrip.drivers.driver.secondaryCellPhone.receivePars
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receivePars": false

Description:

Section: 1.12.1.15.4

Name: receiveAce
Full Path: aceTrip.drivers.driver.secondaryCellPhone.receiveAce
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receiveAce": true

Description:

Section: 1.12.1.15.5

Name: receiveEntryNumbers
Full Path: aceTrip.drivers.driver.secondaryCellPhone.receiveEntryNumbers
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"receiveEntryNumbers": false

Description:

Passengers

Name:	passengers
Full Path:	aceTrip.passengers
Type:	Array<JsonObject>
Is Required?:	No
Minimum Items (of elements in array):	0
Maximum Items (of elements in array):	24

Sample JSON:

```
[
  {
    "firstName": "Colm",
    "middleName": "J.",
    "lastName": "Meaney",
    "gender": "M",
    "dateOfBirth": "1953-04-30",
    "citizenshipCountry": "US",
    "fastCardNumber": "42700012345601",
    "travelDocuments": [
      {
        "number": "WS123456",
        "type": "6W",
        "stateProvince": "MI",
        "country": "US"
      },
      {
        "number": "QD405139",
        "type": "ACW",
        "stateProvince": "ON",
        "country": "CA"
      }
    ]
  }
]
```

Description:

- REQUIRED when there are persons aboard not reported under aceTrip.drivers
- The total number of aceTrip.drivers and aceTrip.passengers must not exceed 25
- It is preferable to report all persons under aceTrip.drivers if they are commercial drivers, even if it is not certain that they will drive on this trip.

Passenger

Section: 1.13.1

Name:	passenger
Full Path:	aceTrip.passengers.passenger
Type:	Object
Is Required?:	No

Sample JSON:

```
{
    "firstName": "Colm",
    "middleName": "J.",
    "lastName": "Meaney",
    "gender": "M",
    "dateOfBirth": "1953-04-30",
    "citizenshipCountry": "US",
    "fastCardNumber": "42700012345601",
    "travelDocuments": [
        {
            "number": "WS123456",
            "type": "6W",
            "stateProvince": "MI",
            "country": "US"
        },
        {
            "number": "QD405139",
            "type": "ACW",
            "stateProvince": "ON",
            "country": "CA"
        }
    ]
}
```

Description:

- See individual field elements below

Passenger First Name

Section: 1.13.1.1

Name:	firstName
Full Path:	aceTrip.passengers.passenger.firstName
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	35
Pattern:	^[a-zA-Z0-9\s-\.]{1,35}$

Sample JSON:

"firstName": "Colm"

Description:

– Freetext field, no special characters. Spaces, periods, dashes and apostrophes are allowed.

– First name of the passenger

Passenger Middle Name or Initial

Section: 1.13.1.2

Name:	middleName
Full Path:	aceTrip.passengers.passenger.middleName
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	25
Pattern:	^[a-zA-Z0-9\s-\.]{1,25}$

Sample JSON:

"middleName": "J."

Description:

– Freetext field, no special characters. Spaces, periods, dashes and apostrophes are allowed.

– The middle name or initial of the passenger

Passenger Last Name

Section: 1.13.1.3

Name:	lastName
Full Path:	aceTrip.passengers.passenger.lastName
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	40
Pattern:	^[a-zA-Z0-9\s-\.]{1,40}$

Sample JSON:

"lastName": "Meaney"

Description:

– Freetext field, no special characters. Spaces, periods, dashes and apostrophes are allowed.

– The last name of the passenger

Passenger Gender   Section: 1.13.1.4

Name: gender
Full Path: aceTrip.passengers.passenger.gender
Type: String Value
Is Required?:   Yes
Minimum Length: 1
Maximum Length: 1
Pattern: ^[MF]$

Sample JSON:

"gender": "M"

Description:

– Acceptable values are "M" for male and "F" for female

Passenger Date of Birth

Section: 1.13.1.5

Name:	dateOfBirth
Full Path:	aceTrip.passengers.passenger.dateOfBirth
Type:	String Value
Is Required?:	Yes
Minimum Length:	10
Maximum Length:	10
Pattern:	^[0-9]{4}-[0-1][0-9]-[0-3][0-9]$

Sample JSON:

"dateOfBirth": "1953-04-30"

Description:

– Exactly 10 characters in the format "yyyy-mm-dd"

– Date of birth of the passenger

Passenger Citizenship

<div align="right">

Section: 1.13.1.6

</div>

Name:	citizenshipCountry
Full Path:	aceTrip.passengers.passenger.citizenshipCountry
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	2
Pattern:	^[A-Z]{2}$
JSON Reference Data:	https://borderconnect.com/data/countries.json

Sample JSON:

"citizenshipCountry": "US"

Description:

- A list of valid country codes can be found here: (http://borderconnect.com/borderconnect/data/countries.json)
- The citizenship of the passenger. If passenger is a citizen of more than one country, the country matching the travel documents the passenger will present to customs should be selected

Passenger FAST Card Number

Section: 1.13.1.7

Name: fastCardNumber
Full Path: aceTrip.passengers.passenger.fastCardNumber
Type: String Value
Is Required?:   No
Minimum Length: 14
Maximum Length: 14

Sample JSON:

"fastCardNumber": "42700012345601"

Description:

– 14 numeric characters exactly, beginning with "4270" or "4110" and ending in either "01" or "02"

– FAST ID of the passenger. Required field when driver is FAST approved.

Passenger Travel Documents   Section: 1.13.1.8

Name:	travelDocuments
Full Path:	aceTrip.passengers.passenger.travelDocuments
Type:	Array<JsonObject>
Is Required?:	Yes
Minimum Items (of elements in array):	1
Maximum Items (of elements in array):	3

Sample JSON:

```
[
  {
    "number": "WS123456",
    "type": "6W",
    "stateProvince": "MI",
    "country": "US"
  },
  {
    "number": "QD405139",
    "type": "ACW",
    "stateProvince": "ON",
    "country": "CA"
  }
]
```

Description:

– Used to report the passenger's travel documents, aka pieces of identification.
– No more than 3 travel documents allowed in the array
– Normally only one travel document is required in the array
– If array contains a travel document of either type Other Travel Document (Code OTD), Commercial Driver's License (code 5K), or Driver's License (code 5J), then array must contain at least 2 travel documents
– Array must not contain more than one travel document of the same type

Passenger Travel Document

Section: 1.13.1.8.1

Name: travelDocument
Full Path: aceTrip.passengers.passenger.travelDocuments.travelDocument
Type: Object
Is Required?:   Yes

Sample JSON:

```
{
  "number": "WS123456",
  "type": "6W",
  "stateProvince": "MI",
  "country": "US"
}
```

Description:

– Used to provide details on a passenger's travel document, see individual fields below

Passenger Travel Document Number   Section: 1.13.1.8.1.1

Name:	number
Full Path:	aceTrip.passengers.passenger.travelDocuments.travelDocument.number
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	50
Pattern:	^[A-Za-z0-9\s-]{1,50}$

Sample JSON:

"number": "WS123456"

Description:

– Alphanumeric, dashes and spaces allowed, no other characters.
– Number of the travel document. e.g. passport number if document is a passport

Passenger Travel Document Type

Section: 1.13.1.8.1.2

Name:	type
Full Path:	aceTrip.passengers.passenger.travelDocuments.travelDocument.type
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	3
Pattern:	^[A-Za-z0-9]{2,3}$
JSON Reference Data:	https://borderconnect.com/data/travel-document-types.json

Sample JSON:

"type": "6W"

Description:

- A list of valid travel document type codes can be found here: (http://borderconnect.com/borderconnect/data/travel-document-types.json)
- A passenger cannot list a travel document of type Commercial Driver's License (code 5K). A person holding this type of document should be reported under aceTrip.drivers instead
- The type of travel document being reported.

Passenger Travel Doc. State Province

Section: 1.13.1.8.1.3

Name:	stateProvince
Full Path:	aceTrip.passengers.passenger.travelDocuments.travelDocument.stateProvince
Type:	String Value
Is Required?:	No
Minimum Length:	2
Maximum Length:	3
Pattern:	^[A-Z]{2,3}$
JSON Reference Data:	https://borderconnect.com/data/state-province.json

Sample JSON:

"stateProvince": "MI"

Description:

- A list of valid state province codes can be found here: (http://borderconnect.com/borderconnect/data/state-province.json)
- This field is REQUIRED when travel document type is Driver's License (code 5J) or Enhanced Driver's License (code 6W), otherwise it should not be supplied
- The state or province that issued the travel document

Passenger Travel Document Country   Section: 1.13.1.8.1.4

Name: country
Full Path: aceTrip.passengers.passenger.travelDocuments.travelDocument.country
Type: String Value
Is Required?:   No
Minimum Length: 2
Maximum Length: 2
Pattern: ^[A-Z]{2}$
JSON Reference Data: https://borderconnect.com/data/countries.json

Sample JSON:

"country": "US"

Description:

– A list of valid country codes can be found here: (http://borderconnect.com/borderconnect/data/countries.json)
– This field is REQUIRED when travel document type is ANYTHING OTHER than Driver's License (code 5J) or Enhanced
  Driver's License (code 6W), otherwise it should not be supplied
– The country that issued the travel document

Trip Comments

Section: 1.14

Name:	comments
Full Path:	aceTrip.comments
Type:	Array<String>
Is Required?:	No
Minimum Length (of element in array):	1
Maximum Length (of element in array):	1000
Minimum Items (of elements in array):	0
Maximum Items (of elements in array):	20

Sample JSON:

"comments": ["my trip note"]

Description:

– Freeform array of string values, each value may be between 1 and 1000 characters

– No more than 20 elements are allowed in the array

– Please note comments to the trip are not transmitted to customs, they are intended for user reference only

Shipments

Section: 1.15

Name:	shipments
Full Path:	aceTrip.shipments
Type:	Array<JsonObject>
Is Required?:	No
Minimum Items (of elements in array):	0
Maximum Items (of elements in array):	9999

Sample JSON:

```
[{}]
```

Description:

- Required when freight is aboard that is not covered under 10.41a. Please note freight covered under 10.41a (IIT) is only reported under aceTrip.instrumentsOfInternationalTrafficBond
- Array can contain as many as 9999 shipments
- Used to report shipment information to customs. All shipments loaded on the truck are required to be reported under a single aceTrip

Shipment

Section: 1.15.1

Name: shipment
Full Path: aceTrip.shipments.shipment
Type: Object
Is Required?:   No

Sample JSON:

```
{}
```

Description:

– Used to report full details of an individual shipment on board, see individual fields below

Data

Section: 1.15.1.1

Name:	data
Full Path:	aceTrip.shipments.shipment.data
Type:	String Value
Is Required?:	No
Minimum Length:	8
Maximum Length:	20
Pattern:	^ACE_SHIPMENT$
JSON Reference Data:	https://borderconnect.com/data/data-types.json

Sample JSON:

"data": "ACE_SHIPMENT"

Description:

– Used to indicate the type of data the JSON file contains. For example, if you intend to upload a complete ACE Trip, you
should use the value "ACE_TRIP", but if you are only uploading ACE Shipments, you should use "ACE_SHIPMENT".

– A list of acceptable data types can be found. here: http://borderconnect.com/borderconnect/data/data-types.json

Send ID   Section: 1.15.1.2

Name:	sendId
Full Path:	aceTrip.shipments.shipment.sendId
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	68

Sample JSON:

"sendId": "001"

Description:

– Unique ID assigned by the software integrating with BorderConnect.

– Should not be used if aceTrip.sendId has already been provided, or used in place of aceTrip.sendId.

– Will be quoted in server responses related to your JSON upload.

– Only one instance of Send ID should appear per JSON file.

– e.g. if this is an ACE Shipment Create operation, the server response advising the success or failure of the create will quote the value you provide in this field.

– This field is never required, nor will any validation prevent you from duplicating send IDs.

Company Key

Section: 1.15.1.3

Name:	companyKey
Full Path:	aceTrip.shipments.shipment.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 data upload pertains to. Must exactly match company key for the account.

– Mandatory when connected as a service provider. Will be ignored otherwise.

Operation

Section: 1.15.1.4

Name:	operation
Full Path:	aceTrip.shipments.shipment.operation
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	10
JSON Reference Data:	https://borderconnect.com/data/operation-types.json

Sample JSON:

"operation": "CREATE"

Description:

- Should not be used if aceTrip.operation has already been provided, or used in place of aceTrip.operation.
- Only one instance of Operation should appear per JSON file. i.e. requests to perform different types of operations on different shipments should be done using separate JSON files.
- Specifies what type of operation should be performed on the included trip data in BorderConnect. Will default to "CREATE" if not provided.
- For a full list of supported operations, click here: http://borderconnect.com/borderconnect/data/operation-types.json
- In order to use the values of "UPDATE" and "DELETE" the shipment must not be on file with CBP.

Shipment Type

Section: 1.15.1.5

Name:	type
Full Path:	aceTrip.shipments.shipment.type
Type:	String Value
Is Required?:	Yes
Minimum Length:	4
Maximum Length:	15
JSON Reference Data:	https://borderconnect.com/data/us/ace/shipment-types.json

Sample JSON:

"type": "IN_BOND"

Description:

- See list of valid Shipment Type codes here: (http://borderconnect.com/borderconnect/data/us/ace/shipment-types.json)
- For In-bond shipments, the type QP In-Bond should be selected when the bond filer is a customs broker or other QP filer, and the type ACE In-Bond should be selected when the carrier will be filing the bond themselves via this ACE eManifest
- Shipments releasing under 1041.a (IIT) should be reported under aceTrip.instrumentsOfInternationalTrafficBond instead
- For more information on individual shipment release types please see the guide here: (http://borderconnect.com/wiki/index.php/Shipment_Types_and_eManifest)

Shipment Control Number   Section: 1.15.1.6

Name:	shipmentControlNumber
Full Path:	aceTrip.shipments.shipment.shipmentControlNumber
Type:	String Value
Is Required?:	Yes
Minimum Length:	8
Maximum Length:	16
Pattern:	^[A-Z]{4}[A-Z0-9]{4,12}$

Sample JSON:

"shipmentControlNumber": "TESTPAPS00012345"

Description:

– Starts with carrier's 4 letter SCAC code followed by unique reference number
– Must be alpha-numeric with no spaces or special characters, letters must be upper case
– If the shipment type is PAPS, the Shipment Control Number must be the PAPS number
– If the shipment type is QP In-Bond, the Shipment Control Number must match the B/L No. used by the bond filer
– For all other shipment types, any unique shipment control number is sufficient, though the shipment control number is not recommended to be identical to the Trip Number

Province Of Loading

Section: 1.15.1.7

Name:	provinceOfLoading
Full Path:	aceTrip.shipments.shipment.provinceOfLoading
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	5
Pattern:	^[A-Z0-9]{2,5}$
JSON Reference Data:	https://borderconnect.com/data/us/ace/schedule-k-ca-mx-province.json

Sample JSON:

"provinceOfLoading": "80107"

Description:

- A list of valid state province codes can be found here: (http://borderconnect.com/borderconnect/data/state-province.json)
- Field will also accept valid 5 digit Schedule K codes (http://borderconnect.com/borderconnect/data/us/ace/schedule-k-ca-mx-province.json)
- Province of loading must be a Canadian Province or a Mexican State
- Represents the Province or State in which the shipment was picked up by the carrier

Goods Astray Date of Exit   Section: 1.15.1.8

Name:	goodsAstrayDateOfExit
Full Path:	aceTrip.shipments.shipment.goodsAstrayDateOfExit
Type:	String Value
Is Required?:	No
Minimum Length:	10
Maximum Length:	10
Pattern:	^[0-9]{4}-[0-1][0-9]-[0-3][0-9]$

Sample JSON:

"goodsAstrayDateOfExit": "2014-11-30"

Description:

- 10 characters exactly, in the format "yyyy-mm-dd"
- Only required when Shipment Type is Goods Astray, should not be supplied otherwise
- Represents the date that the goods originally left the U.S., not the date that the goods will exit another country destined for the U.S.
- Must be a date in the past. If more than 45 days in the past, will be rejected as per the requirements of the Goods Astray shipment release type. (http://borderconnect.com/wiki/index.php/Goods_Astray)

In-Bond Details

Section: 1.15.1.9

Name:	inBondDetails
Full Path:	aceTrip.shipments.shipment.inBondDetails
Type:	Object
Is Required?:	No

Sample JSON:

```
"inBondDetails": {
   "type": "62",
   "paperInBondNumber": "595123456",
   "usDestination": "3004",
   "foreignDestination": "20101",
   "onwardCarrierScac": "WXYZ",
   "irsNumber": "98-020660400",
   "estimatedDepartureDate": "2014-12-30",
   "fda": true
}
```

Description:

- Only required when shipment type is ACE In-Bond, should not be provided otherwise
- Used to provide additional required information with regard to the in-bond movement of the shipment

In-Bond Type

Section: 1.15.1.9.1

Name:	type
Full Path:	aceTrip.shipments.shipment.inBondDetails.type
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	2
Pattern:	^[0-9]{2,2}$
JSON Reference Data:	https://borderconnect.com/data/us/ace/inbond-types.json

Sample JSON:

"type": "62"

Description:

- Exactly 2 digits numeric.
- Used to indicate the movement type of the bond.
- "61" for Immediate Transportation (I.T.)
- "62" for Transportation and Exportation (T&E)
- "63" for Immediate Exportation (I.E.)

Paper In-Bond Number   Section: 1.15.1.9.2

Name:	paperInBondNumber
Full Path:	aceTrip.shipments.shipment.inBondDetails.paperInBondNumber
Type:	String Value
Is Required?:	Yes
Minimum Length:	9
Maximum Length:	9
Pattern:	^[0-9]{9}$

Sample JSON:

"paperInBondNumber": "595123456"

Description:

– Exactly 9 digits numeric, last digit should be mod 7 check digit of the first 8
– Please note that if number has leading zeroes, these must be transmitted
– The In-Bond entry number for the bond. Sequences of In-Bond entry numbers are supplied to bonded carriers upon request by U.S. customs
– The In-Bond entry number used should be unique, unless this bond is part of a multi-part bond

U.S. In-Bond Destination

Section: 1.15.1.9.3

Name:	usDestination
Full Path:	aceTrip.shipments.shipment.inBondDetails.usDestination
Type:	String Value
Is Required?:	Yes
Minimum Length:	4
Maximum Length:	4
Pattern:	^[0-9]{4}$
JSON Reference Data:	https://borderconnect.com/data/us/ace/us-port-codes.json

Sample JSON:

"usDestination": "3004"

Description:

- Exactly 4 digits numeric, a list of valid U.S. Port Codes can be found here:
  (http://borderconnect.com/borderconnect/data/us/ace/us-port-codes.json)
- Represents the U.S. Port that the shipment will move in-bond to. In the case of a Transportation and Exportation movement (type 62) this is the U.S. Port of Exit
- Cannot be the same port as aceTrip.usPortOfArrival

Foreign In-Bond Destination

Section: 1.15.1.9.4

Name:	foreignDestination
Full Path:	aceTrip.shipments.shipment.inBondDetails.foreignDestination
Type:	String Value
Is Required?:	No
Minimum Length:	5
Maximum Length:	5
Pattern:	^[0-9]{5}$
JSON Reference Data:	https://borderconnect.com/data/us/ace/foreign-ports.json

Sample JSON:

"foreignDestination": "20101"

Description:

- A list of valid Schedule K codes can be found here: (http://borderconnect.com/borderconnect/data/us/ace/foreign-ports.json)
- Only required when In-Bond Type is Transportation and Exportation (62), should not be supplied otherwise
- Used to indicate the territory that the freight will ultimately be shipped to after it leaves the U.S.

In-Bond Onward Carrier SCAC   Section: 1.15.1.9.5

Name:	onwardCarrierScac
Full Path:	aceTrip.shipments.shipment.inBondDetails.onwardCarrierScac
Type:	String Value
Is Required?:	No
Minimum Length:	4
Maximum Length:	4
Pattern:	^[A-Z]{4}$

Sample JSON:

"onwardCarrierScac": "WXYZ"

Description:

- 4 upper case letters
- Used to identify a carrier to whom the an in-bond shipment is transferred beyond the initiating carrier. Must be the SCAC code of the onward carrier
- Only used when in-bond shipment will be transferred to another carrier.

In-Bond IRS Number

Section: 1.15.1.9.6

Name:	irsNumber
Full Path:	aceTrip.shipments.shipment.inBondDetails.irsNumber
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	50
Pattern:	^[0-9-]{1,50}$

Sample JSON:

"irsNumber": "98-020660400"

Description:

- The carrier's IRS Identification Number, should include at least one dash. No letters or spaces
- Used to identify the carrier whose bond is obligated by the in-bond movement. Should not be the IRS number of the importer!

In-Bond Estimated U.S. Departure Date

Section: 1.15.1.9.7

Name:	estimatedDepartureDate
Full Path:	aceTrip.shipments.shipment.inBondDetails.estimatedDepartureDate
Type:	String Value
Is Required?:	No
Minimum Length:	10
Maximum Length:	10
Pattern:	^[0-9]{4}-[0-1][0-9]-[0-3][0-9]$

Sample JSON:

"estimatedDepartureDate": "2014-12-30"

Description:

- 10 characters exactly, in the format "yyyy-mm-dd"

- Only required for bonds of type Transportation and Exportation (62), should not be supplied otherwise

- Represents the date that the shipment is expected to leave the U.S.

In-Bond FDA Indicator

Section: 1.15.1.9.8

Name: fda
Full Path: aceTrip.shipments.shipment.inBondDetails.fda
Type: Boolean Value
Is Required?:   Yes

Sample JSON:

"fda": true

Description:

- Used to indicate whether the in-bond goods are subject to regulation by the U.S. Food and Drug Administration. If "true" the importer or their broker will be required to provide FDA prior notice for the shipment.

Shipper

Section: 1.15.1.10

Name: shipper
Full Path: aceTrip.shipments.shipment.shipper
Type: Object
Is Required?: Yes

Sample JSON:

```
"shipper": {
   "name": "Shipper Guy Inc.",
   "nickname": "Shipper Guy West Store",
   "address": {
      "addressLine": "1234 Shippr LnSuite 300",
      "city": "Windsor",
      "stateProvince": "ON",
      "stateProvinceName": "Ontario",
      "country": "CA",
      "countryName": "Canada",
      "postalCode": "N8W3P3"
   }
}
```

Description:

– Information pertaining to the shipper of the goods. See individual field elements below

– The carrier is not the shipper. The shipper is the party tendering the goods to the carrier

– The shipper should always be a party outside of the U.S.

Shipper Name

Section: 1.15.1.10.1

Name:	name
Full Path:	aceTrip.shipments.shipment.shipper.name
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	60

Sample JSON:

"name": "Shipper Guy Inc."

Description:

– Free form text field, no special characters

– The name of the shipper

Shipper Nickname

Section: 1.15.1.10.2

Name:	nickname
Full Path:	aceTrip.shipments.shipment.shipper.nickname
Type:	String Value
Is Required?:	No
Minimum Length:	0
Maximum Length:	60

Sample JSON:

"nickname": "Shipper Guy West Store"

Description:

– Freeform text field, no special characters

– Optional field, not transmitted to customs. Used to allow a code or nickname from the user's system to be associated with the shipper so that it can be searched.

Shipper Address

Section: 1.15.1.10.3

Name: address
Full Path: aceTrip.shipments.shipment.shipper.address
Type: Object
Is Required?:   Yes

Sample JSON:

```
"address": {
    "addressLine": "1234 Shippr LnSuite 300",
    "city": "Windsor",
    "stateProvince": "ON",
    "stateProvinceName": "Ontario",
    "country": "CA",
    "countryName": "Canada",
    "postalCode": "N8W3P3"
}
```

Description:

– The address of the shipper, see individual field elements below

Shipper Address Line

Section: 1.15.1.10.3.1

Name:	addressLine
Full Path:	aceTrip.shipments.shipment.shipper.address.addressLine
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	110

Sample JSON:

"addressLine": "1234 Shippr LnSuite 300"

Description:

– Freetext field, no special characters

– The street address of the shipper

Shipper City

Section: 1.15.1.10.3.2

Name:	city
Full Path:	aceTrip.shipments.shipment.shipper.address.city
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	30
Pattern:	^[A-Za-z0-9-\s\.,\']{2,30}$

Sample JSON:

"city": "Windsor"

Description:

– Freetext field, no special characters

– The name of the shipper's city

Shipper State Or Province

Section: 1.15.1.10.3.3

Name:	stateProvince
Full Path:	aceTrip.shipments.shipment.shipper.address.stateProvince
Type:	String Value
Is Required?:	No
Minimum Length:	2
Maximum Length:	3
Pattern:	^[A-Z]{2,3}$
JSON Reference Data:	https://borderconnect.com/data/state-province-international.json

Sample JSON:

"stateProvince": "ON"

Description:

- Required when shipper country is on CBP system list of states and provinces.
- The state or province that the shipper is located in

Section: 1.15.1.10.3.4

Name:	stateProvinceName
Full Path:	aceTrip.shipments.shipment.shipper.address.stateProvinceName
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

Sample JSON:

"stateProvinceName": "Ontario"

Description:

Shipper Country

Section: 1.15.1.10.3.5

Name:	country
Full Path:	aceTrip.shipments.shipment.shipper.address.country
Type:	String Value
Is Required?:	No
Minimum Length:	2
Maximum Length:	2
JSON Reference Data:	https://borderconnect.com/data/countries.json

Sample JSON:

"country": "CA"

Description:

– 2 digit country code of the shipper. Only required when country is outside of North America.

Section: 1.15.1.10.3.6

Name:	countryName
Full Path:	aceTrip.shipments.shipment.shipper.address.countryName
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

Sample JSON:

"countryName": "Canada"

Description:

Shipper Postal Code

Section: 1.15.1.10.3.7

Name:	postalCode
Full Path:	aceTrip.shipments.shipment.shipper.address.postalCode
Type:	String Value
Is Required?:	Yes
Minimum Length:	5
Maximum Length:	10
Pattern:	^[A-Z0-9-\s]{5,10}$

Sample JSON:

"postalCode": "N8W3P3"

Description:

– Alphanumeric, though a single space is allowed in the middle of a Canadian postal code

– For Canadian postal codes, must be in the format "A1A1A1" or "A1A 1A1"

– For Mexican postal codes, must be in the format "12345"

– Letters must be upper case

– The postal code of the shipper

Consignee

Section: 1.15.1.11

Name: consignee
Full Path: aceTrip.shipments.shipment.consignee
Type: Object
Is Required?:   Yes

Sample JSON:

```
"consignee": {
   "name": "Consignee Gal Inc.",
   "nickname": "Consignee Gal East Warehouse",
   "address": {
      "addressLine": "1234 Consignee AveSuite 500",
      "city": "Romulus",
      "stateProvince": "MI",
      "stateProvinceName": "Michigan",
      "country": "US",
      "countryName": "United States",
      "postalCode": "48174"
   }
}
```

Description:

– Information pertaining to the consignee. See individual field elements below
– For ACE eManifest purposes, the consignee is the party that the arriving carrier is physically delivering the goods to, regardless of the purchaser or ultimate destination of the goods.
– It is possible for the consignee to be a party outside the U.S. when the goods are transiting the U.S., so non-U.S. consignees can be valid under some circumstances

Consignee Name

Section: 1.15.1.11.1

Name: name
Full Path: aceTrip.shipments.shipment.consignee.name
Type: String Value
Is Required?:   Yes
Minimum Length: 1
Maximum Length: 60

Sample JSON:

"name": "Consignee Gal Inc."

Description:

– Freeform text field, no special characters

– The name of the consignee

Consignee Nickname

Section: 1.15.1.11.2

Name: nickname
Full Path: aceTrip.shipments.shipment.consignee.nickname
Type: String Value
Is Required?:   No
Minimum Length: 0
Maximum Length: 60

Sample JSON:

"nickname": "Consignee Gal East Warehouse"

Description:

– Freeform text field, no special characters
– Optional field, not transmitted to customs. Used to allow a code or nickname from the user's system to be associated with the consignee so that it can be searched.

Consignee Address

Section: 1.15.1.11.3

Name: address
Full Path: aceTrip.shipments.shipment.consignee.address
Type: Object
Is Required?:   Yes

Sample JSON:

```
"address": {
   "addressLine": "1234 Consignee AveSuite 500",
   "city": "Romulus",
   "stateProvince": "MI",
   "stateProvinceName": "Michigan",
   "country": "US",
   "countryName": "United States",
   "postalCode": "48174"
}
```

Description:

– The address of the consignee, see individual field elements below

Consignee Address Line   Section: 1.15.1.11.3.1

Name: addressLine
Full Path: aceTrip.shipments.shipment.consignee.address.addressLine
Type: String Value
Is Required?:   Yes
Minimum Length: 1
Maximum Length: 110

Sample JSON:

"addressLine": "1234 Consignee AveSuite 500"

Description:

– Freetext field, no special characters
– The street address of the consignee

Consignee City

Section: 1.15.1.11.3.2

Name:	city
Full Path:	aceTrip.shipments.shipment.consignee.address.city
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	30
Pattern:	^[A-Za-z0-9-\s\.,\']{2,30}$

Sample JSON:

"city": "Romulus"

Description:

– Freetext field, no special characters
– The name of the consignee's city

Consignee State or Province

Section: 1.15.1.11.3.3

Name:	stateProvince
Full Path:	aceTrip.shipments.shipment.consignee.address.stateProvince
Type:	String Value
Is Required?:	No
Minimum Length:	2
Maximum Length:	3
Pattern:	^[A-Z]{2,3}$
JSON Reference Data:	https://borderconnect.com/data/state-province-international.json

Sample JSON:

"stateProvince": "MI"

Description:

– Required when consignee country is on CBP system list of states and provinces.

– The state or province that the consignee is located in

Section: 1.15.1.11.3.4

Name:	stateProvinceName
Full Path:	aceTrip.shipments.shipment.consignee.address.stateProvinceName
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

Sample JSON:

"stateProvinceName": "Michigan"

Description:

Consignee Country

Section: 1.15.1.11.3.5

Name: country
Full Path: aceTrip.shipments.shipment.consignee.address.country
Type: String Value
Is Required?: No
Minimum Length: 2
Maximum Length: 2
JSON Reference Data:
https://borderconnect.com/data/countries.json

Sample JSON:

"country": "US"

Description:

– 2 digit country code of the consignee. Only required when country is outside of North America.

Section: 1.15.1.11.3.6

Name:	countryName
Full Path:	aceTrip.shipments.shipment.consignee.address.countryName
Type:	String Value
Is Required?:	No
Minimum Length:	
Maximum Length:	

Sample JSON:

"countryName": "United States"

Description:

Consignee Postal Code

Section: 1.15.1.11.3.7

Name:	postalCode
Full Path:	aceTrip.shipments.shipment.consignee.address.postalCode
Type:	String Value
Is Required?:	Yes
Minimum Length:	5
Maximum Length:	10
Pattern:	^[A-Z0-9-\s]{5,10}$

Sample JSON:

"postalCode": "48174"

Description:

– Alphanumeric, though space is allowed in the middle position for Canadian postal codes, and a dash is allowed for U.S. postal codes in the 10 digit format
– For Canadian postal codes, must be in the format "A1A1A1" or "A1A 1A1"
– For U.S. zip codes, must be in the format "12345" or "12345-6789"
– For Mexican postal codes, must be in the format "12345"
– Letters must be upper case
– The postal or zip code of the consignee

Customs Broker

Section: 1.15.1.12

Name: broker
Full Path: aceTrip.shipments.shipment.broker
Type: Object
Is Required?:   No

Sample JSON:

```
"broker": {
    "filerCode": "MCB",
    "portLocation": "3801"
}
```

Description:

– Used to indicate the customs broker for the shipment, and forward a copy of the manifest shipment data to the broker
– Always optional, has no impact on ability to receive broker entry numbers through ACE, only effect is broker receiving the manifest data from the carrier
– See individual field elements below

Broker Filer Code

Section: 1.15.1.12.1

Name:	filerCode
Full Path:	aceTrip.shipments.shipment.broker.filerCode
Type:	String Value
Is Required?:	Yes
Minimum Length:	3
Maximum Length:	3
Pattern:	^[A-Z0-9]{3}$
JSON Reference Data:	https://borderconnect.com/data/us/ace/us-filer-codes.json

Sample JSON:

"filerCode": "MCB"

Description:

- The list of valid broker filer codes can be found here: (http://borderconnect.com/borderconnect/data/us/ace/us-filer-codes.json)
- Alphanumeric, letters must be upper case
- The 3 digit filer code of the customs broker

Broker Port Location

Section: 1.15.1.12.2

Name:	portLocation
Full Path:	aceTrip.shipments.shipment.broker.portLocation
Type:	String Value
Is Required?:	Yes
Minimum Length:	4
Maximum Length:	4
Pattern:	^[0-9]{4}$
JSON Reference Data:	https://borderconnect.com/data/us/ace/us-port-codes.json

Sample JSON:

"portLocation": "3801"

Description:

– 4 digit numeric, the list of valid U.S. port codes can be found here:
  (http://borderconnect.com/borderconnect/data/us/ace/us-port-codes.json)
– The U.S port code pertaining to the location of the broker filing the entry. Used for routing the manifest information to the
  correct office of the customs broker

Third Parties

Name: thirdParties
Full Path: aceTrip.shipments.shipment.thirdParties
Type: Array<JsonObject>
Is Required?:   No
Minimum Items (of elements in array):   0
Maximum Items (of elements in array):   22

Sample JSON:

```
[
  {
    "type": "CS",
    "name": "Ny Third Party Corp",
    "nickname": "Third Party Nickname",
    "address": {
        "addressLine": "1234 Consolidator ParkwayUnit 3",
        "city": "Romulus",
        "stateProvince": "MI",
        "stateProvinceName": "Michigan",
        "country": "US",
        "countryName": "United States",
        "postalCode": "48174"
    }
  }
]
```

Description:

– Always optional. Used to identify additional parties related to the shipment
– Array may contain as many as 22 Third Parties

Third Party

Section: 1.15.1.13.1

Name: thirdParty
Full Path: aceTrip.shipments.shipment.thirdParties.thirdParty
Type: Object
Is Required?: No

Sample JSON:

```
{
   "type": "CS",
   "name": "Ny Third Party Corp",
   "nickname": "Third Party Nickname",
   "address": {
      "addressLine": "1234 Consolidator ParkwayUnit 3",
      "city": "Romulus",
      "stateProvince": "MI",
      "stateProvinceName": "Michigan",
      "country": "US",
      "countryName": "United States",
      "postalCode": "48174"
   }
}
```

Description:

– See individual field elements below

Third Party Type

Section: 1.15.1.13.1.1

Name:	type
Full Path:	aceTrip.shipments.shipment.thirdParties.thirdParty.type
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	3
Pattern:	^[A-Z0-9]{2,3}$
JSON Reference Data:	https://borderconnect.com/data/us/ace/third-party-types.json

Sample JSON:

"type": "CS"

Description:

- Alphanumeric. See list of valid third party types here: (http://borderconnect.com/borderconnect/data/us/ace/third-party-types.json)
- The type of the third party being reported. e.g. type "CS" is a consolidator

Third Party Name   Section: 1.15.1.13.1.2

Name: name
Full Path: aceTrip.shipments.shipment.thirdParties.thirdParty.name
Type: String Value
Is Required?:   Yes
Minimum Length: 1
Maximum Length: 60

Sample JSON:

"name": "Ny Third Party Corp"

Description:

– Freeform text field, no special characters
– The name of the third party

Third Party Nickname   Section: 1.15.1.13.1.3

Name: nickname
Full Path: aceTrip.shipments.shipment.thirdParties.thirdParty.nickname
Type: String Value
Is Required?:   No
Minimum Length: 0
Maximum Length: 60

Sample JSON:

"nickname": "Third Party Nickname"

Description:

– Freeform text field, no special characters
– Optional field, not transmitted to customs. Used to allow a code or nickname from the user's system to be associated with the third party so that it can be searched.

Third Party Address   Section: 1.15.1.13.1.4

Name: address
Full Path: aceTrip.shipments.shipment.thirdParties.thirdParty.address
Type: Object
Is Required?:   Yes

Sample JSON:

```
"address": {
   "addressLine": "1234 Consolidator ParkwayUnit 3",
   "city": "Romulus",
   "stateProvince": "MI",
   "stateProvinceName": "Michigan",
   "country": "US",
   "countryName": "United States",
   "postalCode": "48174"
}
```

Description:

– The address of the third party, see individual field elements below

Third Party Address Line   Section: 1.15.1.13.1.4.1

Name: addressLine
Full Path: aceTrip.shipments.shipment.thirdParties.thirdParty.address.addressLine
Type: String Value
Is Required?:   Yes
Minimum Length: 1
Maximum Length: 110

Sample JSON:

"addressLine": "1234 Consolidator ParkwayUnit 3"

Description:

– Freetext field, no special characters
– The street address of the third party

Third Party City   Section: 1.15.1.13.1.4.2

Name:	city
Full Path:	aceTrip.shipments.shipment.thirdParties.thirdParty.address.city
Type:	String Value
Is Required?:	Yes
Minimum Length:	2
Maximum Length:	30
Pattern:	^[A-Za-z0-9-\s\.,\']{2,30}$

Sample JSON:

"city": "Romulus"

Description:

– Freetext field, no special characters
– The name of the third party's city

Third Party State or Province

Section: 1.15.1.13.1.4.3

Name:	stateProvince
Full Path:	aceTrip.shipments.shipment.thirdParties.thirdParty.address.stateProvince
Type:	String Value
Is Required?:	No
Minimum Length:	2
Maximum Length:	3
Pattern:	^[A-Z]{2,3}$
JSON Reference Data:	https://borderconnect.com/data/state-province-international.json

Sample JSON:

"stateProvince": "MI"

Description:

– Required when consignee country is on CBP system list of states and provinces.

– The state or province that the third party is located in

Section: 1.15.1.13.1.4.4

Name: stateProvinceName
Full Path: aceTrip.shipments.shipment.thirdParties.thirdParty.address.stateProvinceName
Type: String Value
Is Required?:   No
Minimum Length:
Maximum Length:

Sample JSON:

"stateProvinceName": "Michigan"

Description:

Third Party Country

Section: 1.15.1.13.1.4.5

Name:	country
Full Path:	aceTrip.shipments.shipment.thirdParties.thirdParty.address.country
Type:	String Value
Is Required?:	No
Minimum Length:	2
Maximum Length:	2
JSON Reference Data:	https://borderconnect.com/data/countries.json

Sample JSON:

"country": "US"

Description:

– 2 digit country code of the third party. Only required when country is outside of North America.

Section: 1.15.1.13.1.4.6

Name: countryName
Full Path: aceTrip.shipments.shipment.thirdParties.thirdParty.address.countryName
Type: String Value
Is Required?:   No
Minimum Length:
Maximum Length:

Sample JSON:

"countryName": "United States"

Description:

Third Party Postal Code

Section: 1.15.1.13.1.4.7

Name: postalCode
Full Path: aceTrip.shipments.shipment.thirdParties.thirdParty.address.postalCode
Type: String Value
Is Required?:   Yes
Minimum Length: 5
Maximum Length: 10
Pattern: ^[A-Z0-9-\s]{5,10}$

Sample JSON:

"postalCode": "48174"

Description:

– Alphanumeric, though space is allowed in the middle position for Canadian postal codes, and a dash is allowed for U.S. postal codes in the 10 digit format
– For Canadian postal codes, must be in the format "A1A1A1" or "A1A 1A1"
– For U.S. zip codes, must be in the format "12345" or "12345-6789"
– For Mexican postal codes, must be in the format "12345"
– Letters must be all upper case
– The postal or zip code of the third party

Commodities

Section: 1.15.1.14

Name:	commodities
Full Path:	aceTrip.shipments.shipment.commodities
Type:	Array<JsonObject>
Is Required?:	Yes
Minimum Items (of elements in array):	1
Maximum Items (of elements in array):	999

Sample JSON:

```
[{}]
```

Description:

– Information on the commercial goods on board.

– Array can contain up to 999 commodities

Commodity

Section: 1.15.1.14.1

Name: commodity
Full Path: aceTrip.shipments.shipment.commodities.commodity
Type: Object
Is Required?:   Yes

Sample JSON:

```
{
  "description": "Replicator",
  "quantity": 10,
  "packagingUnit": "PCE",
  "weight": 5000,
  "weightUnit": "L",
  "marksAndNumbers": [
    "MARKS AND NUMBERS"
  ],
  "vinNumbers": [
    "4V4N99EH3CN554692",
    "1FMEU7DE5AUA72472"
  ],
  "c4LineReleaseNumber": "NGL4NGL1234LPG",
  "harmonizedCode": "0301234567",
  "value": "500000.00",
  "countryOfOrigin": "CA",
  "hazmatDetails": {
    "unCode": "1079",
    "emergencyContactName": "Miles O'Brien",
    "contactPhone": "555-111-9999",
    "contactEmail": "miles@starshipenterprise.net"
  },
  "loadedOn": {
    "type": "TRAILER",
    "number": "TR1234"
  }
}
```

Description:

– See individual field elements below

Commodity Description

Section: 1.15.1.14.1.1

Name:	description
Full Path:	aceTrip.shipments.shipment.commodities.commodity.description
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	512

Sample JSON:

"description": "Replicator"

Description:

– Freetext field, no special characters
– A description of the goods in this shipment. Should use plain language and be sufficient to give officer good idea of what is being shipped. Generic descriptions such as "freight of all kinds" are not allowed by customs

Commodity Quantity

Section: 1.15.1.14.1.2

Name: quantity
Full Path: aceTrip.shipments.shipment.commodities.commodity.quantity
Type: Numeric Value
Is Required?:   Yes

Sample JSON:

"quantity": 10

Description:

– Numeric only, with no spaces or special characters. Decimal values not allowed
– Must be a number greater than 0
– The quantity of the lowest external packaging unit. e.g. if shipments consists of 100 pieces packaged in 5 boxes sitting on 1 skid, the quantity should be entered as 5, because boxes are the lowest external packaging unit
– The quantity cannot pertain to a measurement of the goods, such as length or volume, it is only to indicate number of packages
– For dry or liquid bulk loads, the quantity should be entered as "1"

Commodity Packaging Unit   Section: 1.15.1.14.1.3

Name:	packagingUnit
Full Path:	aceTrip.shipments.shipment.commodities.commodity.packagingUnit
Type:	String Value
Is Required?:	Yes
Minimum Length:	3
Maximum Length:	3
Pattern:	^[A-Z]{3}$
JSON Reference Data:	https://borderconnect.com/data/us/ace/packaging-unit.json

Sample JSON:

"packagingUnit": "PCE"

Description:

– Alphanumeric, a list of valid packaging unit codes can be found here:
  (http://borderconnect.com/borderconnect/data/us/ace/packaging-unit.json)
– The type of packaging for the commodity. Should be considered paired with Commodity Quantity. i.e. if the Commodity Quantity is "30" and the Commodity Packaging Unit is "PCE", that means that 30 pieces are being reported.

Commodity Weight   Section: 1.15.1.14.1.4

Name: weight
Full Path: aceTrip.shipments.shipment.commodities.commodity.weight
Type: Numeric Value
Is Required?:   Yes

Sample JSON:

"weight": 5000

Description:

– Numeric only, with no spaces or special charcters. Decimal values not allowed, should be rounded to the nearest whole
   number
– Must be a number greater than 0
– The gross weight of the commodity

Commodity Weight Unit

Section: 1.15.1.14.1.5

Name:	weightUnit
Full Path:	aceTrip.shipments.shipment.commodities.commodity.weightUnit
Type:	String Value
Is Required?:	Yes
Minimum Length:	1
Maximum Length:	3
Pattern:	^[LK][BG]?[SRM]?$

Sample JSON:

"weightUnit": "L"

Description:

– Alphabetic, will accept values of "L", "LB", "LBS" or "LBR" to mean pounds, and accept "K", "KG" or "KGM" to mean kilograms.
– The weight unit for the commodity. Should be considered paired with Commodity Weight. i.e. if the Commodity Weight is "1800" and the Commodity Weight Unit is "LBS", that means that 1800 pounds is being reported as the gross weight for the commodity.

Commodity Marks and Numbers   Section: 1.15.1.14.1.6

Name:	marksAndNumbers
Full Path:	aceTrip.shipments.shipment.commodities.commodity.marksAndNumbers
Type:	Array<String>
Is Required?:	No
Minimum Length (of element in array):	1
Maximum Length (of element in array):	45
Minimum Items (of elements in array):	0
Maximum Items (of elements in array):	4

Sample JSON:

"marksAndNumbers": ["MARKS AND NUMBERS"]

Description:

– Array may contain up to 4 values for Marks and Numbers
– Total length of elements in array cannot exceed 45 characters
– Each value is freetext field, no special characters, 1 to 45 characters allowed
– Always optional, represents marks and numbers used to identify a shipment or parts of a shipment

Section: 1.15.1.14.1.7

Name:	vinNumbers
Full Path:	aceTrip.shipments.shipment.commodities.commodity.vinNumbers
Type:	Array<String>
Is Required?:	No
Minimum Length (of element in array):	
Maximum Length (of element in array):	

Sample JSON:

```
"vinNumbers": [ "4V4N99EH3CN554692", "1FMEU7DE5AUA72472" ]
```

Description:

Commodity C4 Line Release Number   Section: 1.15.1.14.1.8

Name:	c4LineReleaseNumber
Full Path:	aceTrip.shipments.shipment.commodities.commodity.c4LineReleaseNumber
Type:	String Value
Is Required?:	No
Minimum Length:	14
Maximum Length:	14
Pattern:	^[A-Z0-9]{14}$

Sample JSON:

"c4LineReleaseNumber": "NGL4NGL1234LPG"

Description:

- Alphanumeric, with no spaces, dashes or other characters
- Required only when Shipment Type is BRASS C4 Line Release or BRASS C4 Multiple Line Releases, should not be transmitted otherwise
- The 14 character C4 Number associated with the BRASS commodity being declared

Commodity Harmonized Code   Section: 1.15.1.14.1.9

Name:	harmonizedCode
Full Path:	aceTrip.shipments.shipment.commodities.commodity.harmonizedCode
Type:	String Value
Is Required?:	No
Minimum Length:	6
Maximum Length:	10
Pattern:	^[0-9]{6,10}$

Sample JSON:

"harmonizedCode": "0301234567"

Description:

- Numeric string, no non-numeric characters allowed
- Must be either 6 digits or 10 digits
- Please note some Harmonized Codes have a leading zero that must be transmitted
- Only required when Shipment Type is ACE In-Bond, AND In-Bond Type is "62" (Transportation and Exportation)
- The Harmonized Code (aka HS code or HTS code) of the commodity. Can be entered in either 6 digit international format, or full 10 digit U.S. HTS format. Should be entered without decimals
- Warning: invalid Harmonized Codes will result in a reject from customs

Commodity Value   Section: 1.15.1.14.1.10

Name:	value
Full Path:	aceTrip.shipments.shipment.commodities.commodity.value
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	9
Pattern:	^[0-9\.]{1,9}$

Sample JSON:

"value": "500000.00"

Description:

– Numeric, with one decimal allowed. System will round to nearest whole number, or up to 1 if less than 1 before transmitting to customs.
– Only required when Shipment Type is either ACE In-Bond, Section 321, or Section 321 with FDA Considerations
– For Section 321 or Section 321 with FDA Considerations, the maximum value is 800.
– The value of the commodity, in U.S. Dollars.

Commodity Country Of Origin   Section: 1.15.1.14.1.11

Name:	countryOfOrigin
Full Path:	aceTrip.shipments.shipment.commodities.commodity.countryOfOrigin
Type:	String Value
Is Required?:	No
Minimum Length:	2
Maximum Length:	2
Pattern:	^[A-Z]{2}$
JSON Reference Data:	https://borderconnect.com/data/countries.json

Sample JSON:

"countryOfOrigin": "CA"

Description:

– A list of valid country codes can be found here: (http://borderconnect.com/borderconnect/data/countries.json)

– Only required when Shipment Type is Section 321 or Section 321 with FDA Considerations

– The country in which the commodity was manufactured, grown or otherwise produced.

Commodity Hazmat Details   Section: 1.15.1.14.1.12

Name: hazmatDetails
Full Path: aceTrip.shipments.shipment.commodities.commodity.hazmatDetails
Type: Object
Is Required?:   No

Sample JSON:

```
"hazmatDetails": {
   "unCode": "1079",
   "emergencyContactName": "Miles O'Brien",
   "contactPhone": "555-111-9999",
   "contactEmail": "miles@starshipenterprise.net"
}
```

Description:

– Only required when the commodity is classified as hazardous goods
– See individual field elements below

Hazmat UN Code

Section: 1.15.1.14.1.12.1

Name:	unCode
Full Path:	aceTrip.shipments.shipment.commodities.commodity.hazmatDetails.unCode
Type:	String Value
Is Required?:	Yes
Minimum Length:	4
Maximum Length:	4
Pattern:	^[0-9]{4}$

Sample JSON:

"unCode": "1079"

Description:

– Numeric string, 4 digits exactly

– Note that if UN Number has leading zeroes, these must be transmitted

– The 4 digit UN number used to identify the hazardous material in the commodity

Hazmat Emergency Contact Name   Section: 1.15.1.14.1.12.2

Name: emergencyContactName
Full Path: aceTrip.shipments.shipment.commodities.commodity.hazmatDetails.emergencyC
                               ontactName
Type: String Value
Is Required?:   Yes
Minimum Length: 2
Maximum Length: 24

Sample JSON:

"emergencyContactName": "Miles O'Brien"

Description:

– Freeform text field

– Name of the person or department to contact in case of an emergency involving the hazardous material

Hazmat Contact Phone Number   Section: 1.15.1.14.1.12.3

Name:	contactPhone
Full Path:	aceTrip.shipments.shipment.commodities.commodity.hazmatDetails.contactPhone
Type:	String Value
Is Required?:	No
Minimum Length:	1
Maximum Length:	30

Sample JSON:

"contactPhone": "555-111-9999"

Description:

– Freetext field, no special characters

– Either this field or Emergency Contact Email Address is required for Commodity Hazmat Details

– The phone number to call in case of emergency involving the hazardous materials

Hazmat Contact Email Address   Section: 1.15.1.14.1.12.4

Name: contactEmail
Full Path: aceTrip.shipments.shipment.commodities.commodity.hazmatDetails.contactEmail
Type: String Value
Is Required?:   No
Minimum Length: 1
Maximum Length: 255

Sample JSON:

"contactEmail": "miles@starshipenterprise.net"

Description:

– Freetext field, no special characters
– Either this field or Emergency Contact Phone Number is required for Commodity Hazmat Details
– The email address to email in case of emergency involving the hazardous materials

Commodity Loaded On   Section: 1.15.1.14.1.13

Name: loadedOn
Full Path: aceTrip.shipments.shipment.commodities.commodity.loadedOn
Type: Object
Is Required?:   No

Sample JSON:

```
"loadedOn": {
   "type": "TRAILER",
   "number": "TR1234"
}
```

Description:

– Allows carrier to specify where the commodity is located. i.e. whether it is in the trailer or the truck, or which trailer it is in if there are multiple trailers
– Not required, system will default to first trailer if one exists, or truck otherwise
– See individual field elements below

Loaded On Type   Section: 1.15.1.14.1.13.1

Name: type
Full Path: aceTrip.shipments.shipment.commodities.commodity.loadedOn.type
Type: String Value
Is Required?:   No
Minimum Length: 5
Maximum Length: 7

Sample JSON:

"type": "TRAILER"

Description:

– Acceptable values are "TRUCK" or "TRAILER"

Loaded On Number

Section: 1.15.1.14.1.13.2

Name: number
Full Path: aceTrip.shipments.shipment.commodities.commodity.loadedOn.number
Type: String Value
Is Required?:   No
Minimum Length: 1
Maximum Length: 17
Pattern: ^[A-Z0-9\s-\/\\]{1,17}$

Sample JSON:

"number": "TR1234"

Description:

– Freetext field

– Must exactly match a Truck Number or Trailer Number supplied on this trip under aceTrip.truck or aceTrip.trailers

– Represents the unit number of the specific truck or trailer that the commodity is loaded on

Section: 1.15.1.15

Name: autoSend
Full Path: aceTrip.shipments.shipment.autoSend
Type: Boolean Value
Is Required?:   No

Sample JSON:

"autoSend": false

Description:

Shipment Control Numbers To Attach

Section: 1.16

Name:	shipmentControlNumbersToAttach
Full Path:	aceTrip.shipmentControlNumbersToAttach
Type:	Array<String>
Is Required?:	No
Minimum Length (of element in array):	8
Maximum Length (of element in array):	16
Maximum Items (of elements in array):	5000

Sample JSON:

"shipmentControlNumbersToAttach": ["TESTPAPS00012348", "TESTPAPS00012349"]

Description:

– Shipment control numbers provided in array must correspond to unassociated ACE shipments currently on file. If found, these will be automatically attached to trip.

Auto Send

Section: 1.17

Name: autoSend
Full Path: aceTrip.autoSend
Type: Boolean Value
Is Required?:   No

Sample JSON:

"autoSend": false

Description:

– If true, the appropriate trip operation will be automatically transmitted to customs. If false or not included, trip operation will only take place in BorderConnect.
– If true and operation is CREATE, the manifest will be transmitted to customs as an original after the manifest has been successfully created in BorderConnect.
– If true and operation is UPDATE, the manifest will be transmitted to customs as an amendment after the manifest has been successfully updated in BorderConnect.
– If true and operation is DELETE, the manifest will be transmitted to customs as a cancel, and if the cancel is accepted by customs the delete will be performed in BorderConnect.