

# Freight Audit and Pay API Guide (Originator)

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## 1. Change Control

This section of the document contains the change control updates made to the content.

**Table 1. Change Control Table**

Ver sion	Date	Author	Changes	Change Status
1.0	18/01/2023		First Draft of FAP API Documentation.	Publis hed

**Table 2. Distribution**

Name	Title	Review/Approval
PSG Team Members	Implementation Analysts, Business Analyst	Review

The latest version of this document can be found on the Blume Global Documentation Central Repository.

## 2. Freight Audit and Pay API Integration Guide

The latest version is: **v1.0**

This document outlines the Application Programming Interfaces (APIs) connected to the Blume Freight Audit and Pay (FAP), known here into as “FAP”. The API in this document is the FAP API. The purpose of this API is for the user to create, cancel, update, approve, decline and get invoice details.

### 2.1. FAP RESTful API

The document contains the following sections

<a href="#">Introduction (on page 5)</a>  The primary audience for this document includes internal developers and partner developers who will integrate FAP with their systems. Additionally, the supply chain manager may refer to this document for integration context. A basic understanding of APIs, Hyper Text Transfer Protocol (HTTP), and Representational State Transfer (REST) may be required to understand the concepts described in this document.	<a href="#">List of the Services (on page 6)</a> <ul style="list-style-type: none"><li>• <a href="#">Create Invoice (on page 6)</a></li><li>• <a href="#">Get Invoice Details (on page 9)</a></li><li>• <a href="#">Cancel Invoice (on page 11)</a></li><li>• <a href="#">Approve Invoice (on page 17)</a></li><li>• <a href="#">Decline Invoice (on page 18)</a></li><li>• <a href="#">Update Invoice (on page 12)</a></li></ul>
<a href="#">Field Description (on page 20)</a>  This section provides a list of attributes that appear with the documentation.	<a href="#">Error Codes (on page 36)</a>  This section provides a list of common error codes that appear with the documentation.

### 2.2. Where to Start

We strongly recommend you start with the [Introduction \(on page 5\)](#) to learn the structure of the FAP RESTful API.

## 3. Introduction

Blume provides an extensive list of APIs to manage the invoice on our platform.

The APIs provide create, update, cancel, approve, decline and get invoice details by invoice number.

### 3.1. API Guidelines

The following are the API Guidelines:

- All requests must include base URL
- Each request must be called with one of the HTTP verbs – GET, POST, PUT, PATCH
- User must substitute valid values for mandatory and optional fields as and when required.
- All the request and request parameters are case sensitive
- Data is returned in JSON format
- API attempts to conform to the design principles of Representational State Transfer (REST) and relevant W3C HTTP/1.1 standards
- Only use UTF-8 characters encoding. Parameter values should be converted to UTF-8 and URL encoded according to W3C standards

### 3.2. Rate Limit

- All requests are subject to a rate limit
- Rate limiting restricts the number of times user can request resources from the API within a certain time window
- The default rate limit is 2000 requests per hour.
- If request exceed than defined rate limit, then HTTP "429 Too Many Requests" response will persist until the next hour begins.

### 3.3. External URL

To be whitelisted during implementation.

## 4. List of the Services

The description of each field has been provided in the following table:

Service Name	URI	Type	Description	Input	Output
Create Invoice	/invoice/v1.O/create	POST	Create an Invoice	Invoice Json	Invoice number with status of Success or Failure
Get Invoice Details	/invoice/v1.O/invoices/{invoiceNumber}/{billTo}/{remitTo}	GET	Get Invoice details via Invoice Number	Search Criteria	Get Invoice details for provided Invoice number
Cancel Invoice	/invoice/v1.O/cancel/{invoiceNumber}/{billTo}/{remitTo}	POST	Cancel an Invoice	Invoice Json	Invoice number with status of Success or Failure
Approve Invoice	/invoice/v1.O/approve/{invoiceNumber}/{billTo}/{remitTo}	POST	Approve an Invoice	Invoice Json	Invoice number with status of Success or Failure
Decline Invoice	/invoice/v1.O/decline/{invoiceNumber}/{billTo}/{remitTo}	POST	Decline an Invoice	Invoice Json	Invoice number with status of Success or Failure

### 4.1. Create Invoice



**Note:** View the Field Description (on page 20) section for additional information on the attributes that are present in the JSON.

### 4.1.1. Sample Request to Create an Invoice

```
{
  "correlationId": "80964414-58df-11ed-9b6a-0242ac120002",
  "payload": {
    "createdBy": "user",
    "dateSent": "10-13-2022",
    "paymentDueDate": "10-23-2022",
    "paymentTerms": "Net 10",
    "originatorCode": "PRAK-GRX",
    "invoicePaymentMethod": "",
    "invoiceType": "Carrier",
    "mode": "DRAY",
    "totalAmount": 300,
    "currencyCode": "USD",
    "additionalNotes": "",
    "remitTo": {
      "orgCode": "PRAK-CHI",
      "name": "Oak Brook",
      "address1": "1515 W 22nd, Oakbrook, IL 60523",
      "address2": "",
      "city": "Adelanto",
      "state": "California",
      "zip": "92311",
      "country": "United States",
      "contactPhoneNumber": "510-844-3000",
      "partyType": "remitTo"
    },
    "billTo": {
      "orgCode": "PRAK-GRX",
      "name": "GRX",
      "address1": "Near lake town street",
      "address2": "Thubarahalli",
      "city": "Abercrombie",
      "state": "New South Wales",
      "zip": "560066",
      "country": "Australia",
      "contactPhoneNumber": "1728928299",
      "partyType": "billTo"
    },
    "shipments": [
      {
        "shipmentNumber": "SHIP100722175817950",
        "workOrderNumber": "WO253399082",
        "shipmentType": "Domestic",
        "deliveryDate": "2022-10-09T07:01:00.000Z",
        "mode": "DRAY",
```

```
"amount": 300,
"currencyCode": "USD",
"originLocationId": "15d60ec5-c8e2-4b81-8afd-c920ebaa1500",
"originLocationCode": "BHUPRR",
"originName": "UPRR CHICAGO IMX",
"originLocationType": "RAIL_TERMINAL",
"originAddress1": "3000 SOUTH DAMEN STREET",
"originCity": "CHICAGO",
"originState": "Illinois",
"originPostalCode": "60608",
"originCountry": "US",
"originPlusCode": "86HJR8QC+FG",
"destinationLocationId": "c92a30e1-6dcc-4361-9125-98f3cd318cf9",
"destinationLocationCode": "BHEXP",
"destinationName": "Express Packaging",
"destinationLocationType": "DC",
"destinationAddress1": "1801 Hawthorne Lane Ste 400 W",
"destinationCity": "Chicago",
"destinationState": "Illinois",
"destinationPostalCode": "60185",
"destinationCountry": "US",
"destinationPlusCode": "86HHWQ26+49",
"equipment": {
  "equipmentNumber": "EQPN7791506",
  "equipmentType": "20ST",
  "equipmentClass": "U"
},
"charges": [
  {
    "billingAmount": 100,
    "chargeCode": "CLN",
    "chargeName": "Cleaning",
    "chargeBasis": "Flat",
    "currencyCode": "USD"
  },
  {
    "billingAmount": 200,
    "chargeCode": "BAS",
    "chargeName": "Base Dray",
    "chargeBasis": "Flat",
    "currencyCode": "USD"
  }
]
}
```



## 4.1.2. Sample Response to Create an Invoice

```
{
  "result": {
    "message": "Invoice creation successful",
    "invoiceId": 22140,
    "invoiceNumber": "CELC00283",
    "originatorCode": "RAPS-GRX",
    "partnerCode": "PRAK-CHI"
  },
  "code": 200,
  "correlationId": "70f2fae1-bc60-47c9-a4f6-4d85b89b465b",
  "error": [],
  "status": "Success",
  "timestamp": "Mon Nov 28 13:18:43 GMT 2022"
}
```

## 4.2. Get Invoice Details



**Note:** View the Field Description (on page 20) section for additional information on the attributes that are present in the JSON.

### 4.2.1. Sample Response to Get an Invoice Details

```
{
  "correlationId": "80964414-58df-11ed-9b6a-0242ac120002",
  "status": "Success",
  "payload": {
    "dateCreated": "2022-11-10T11:35:22.000Z",
    "createdBy": "celcuser",
    "dateModified": "2022-11-10T11:40:29.000Z",
    "modifiedBy": "testuser",
    "createdSource": "invoiceUI",
    "lastModifiedSource": "invoiceUI",
    "invoiceNumber": "CEL31411",
    "statusDescription": "Approved",
    "dateSent": "11-10-2022",
    "currencyCode": "USD",
    "originatorCode": "PRAK-TNL",
    "partnerCode": "PRAK-CHI",
    "paymentDueDate": "11-08-2022",
    "totalAmount": 300,
    "mode": "DRAY",
    "dateApproved": "2022-11-10T11:40:29.000Z",
  }
}
```

```
"approvedBy": "celcuser",
"invoiceType": "Carrier",
"acknowledgementStatus": "Not Acknowledged",
"billTo": {
  "name": "Beltics International -- Chicago",
  "address1": "1515 W 22nd, Oakbrook, IL",
  "address2": "XYZ",
  "city": "Chicago",
  "state": "Illinois",
  "zip": "60523",
  "country": "United States",
  "orgCode": "PRAK-TNL",
  "contactEmail": "support@interasset.com",
  "contactPhoneNumber": "510-844-3000"
},
"remitTo": {
  "name": "rpeedy Trucking -- Oak Brook",
  "address1": "1515 W 22nd, Oakbrook, IL",
  "address2": "XYZ",
  "city": "Oak Brook",
  "state": "Illinois",
  "zip": "60523",
  "country": "United States",
  "orgCode": "PRAK-CHI",
  "contactEmail": "support@interasset.com",
  "contactPhoneNumber": "510-844-3000"
},
"shipments": [
  {
    "shipmentNumber": "BHSHIPCELTIC28JUL1223",
    "originLocationCode": "BHUPRR",
    "originName": "UPRR CHICAGO IMX",
    "originLocationType": "RAIL_TERMINAL",
    "originAddress1": "3000 SOUTH DAMEN STREET",
    "originCity": "CHICAGO",
    "originState": "Illinois",
    "originPostalCode": "60608",
    "originCountry": "US",
    "originPlusCode": "86HJR8QC+FG",
    "destinationLocationCode": "BHEXP",
    "destinationName": "Express Packaging",
    "destinationLocationType": "DC",
    "destinationAddress1": "1801 Hawthorne Lane Ste 400 W",
    "destinationCity": "Chicago",
    "destinationState": "Illinois",
    "destinationPostalCode": "60185",
    "destinationCountry": "US",
```

```

    "destinationPlusCode": "86HHWQ26+49",
    "pickupDate": "2022-07-27T18:30:00.000Z",
    "deliveryDate": "2022-07-28T18:30:00.000Z",
    "shipmentType": "Domestic",
    "mode": "DRAY",
    "workOrderNumber": "WO253311975",
    "amount": 300,
    "equipment": {
      "equipmentNumber": "JULY271223",
      "equipmentType": "40ST",
      "weight": 0,
      "volume": 0,
      "hazmat": "N",
      "overweight": "N",
      "pieces": 0,
      "height": 0,
      "width": 0,
      "length": 0
    },
    "charges": [
      {
        "billingAmount": 300,
        "chargeCode": "BAS",
        "chargeName": "Base Dray",
        "currencyCode": "USD",
        "chargeBasis": "Flat"
      },
      {
        "billingAmount": 50,
        "chargeCode": "FS",
        "chargeName": "Fuel Surcharge",
        "currencyCode": "USD",
        "chargeBasis": "Flat"
      }
    ]
  }
}

```

### 4.3. Cancel Invoice



**Note:** View the Field Description (on page 20) section for additional information on the attributes that are present in the JSON.

### 4.3.1. Sample Request to Cancel an Invoice

```
[
  {
    "invoiceId":19053,
    "invoiceNumber":"INV381445",
    "action":"CANCEL",
    "source":"invoiceUI",
    "user":"vvuser",
    "version":1
  }
]
```

### 4.3.2. Sample Response to Cancel an Invoice

```
{
  "result": [
    {
      "message": "Invoice cancellation successful",
      "invoiceId": 19053,
      "invoiceNumber": "INV381445",
      "originatorCode": "PCAR-MIN",
      "partnerCode": "FCKI-LAX"
    }
  ],
  "code": 200,
  "correlationId": "94f8b8bf-7e2e-4633-81e1-8ba5404ca29c",
  "error": [],
  "status": "Success",
  "timestamp": "Thu Nov 24 09:44:47 GMT 2022"
}
```

## 4.4. Update Invoice



**Note:** View the Field Description (*on page 20*) section for additional information on the attributes that are present in the JSON.

### 4.4.1. Sample Request to Update an Invoice

```
{
  "partnerCode": "PRAK-CHI",
  "modifiedBy": "auto_test",
  "dateSent": "2022-11-30T09:42:44.308Z",
}
```

```
"paymentDueDate": "2022-10-19T00:00:00.000Z",
"paymentTerms": "",
"invoiceId": 21431,
"invoiceNumber": "IAUTODNDSPDYCHI2022101912034718",
"originalInvoiceId": 0,
"invoicePaymentMethod": "",
"invoiceStatus": 4,
"invoiceType": "Carrier",
"invoiceChargeType": "Cost",
"mode": "DRAY",
"orgCode": "",
"orgID": "2895832",
"originatorCode": "AUTO-DND",
"creatorCode": "AUTO",
"paymentMethods": "",
"lastModifiedSource": "invoiceUI",
"source": "invoiceUI",
"totalAmount": 600,
"currencyCode": "USD",
"additionalNotes": "",
"customAttributes": null,
"version": 1,
"pnlReasonCode": null,
"pnlReasonDescription": null,
"invoicePartyDTOs": [
  {
    "contactPhoneNumber": "510-844-3000",
    "address1": "1515 W 22nd, Oakbrook, IL 60523",
    "address2": "",
    "city": "Adelanto",
    "state": "California",
    "zip": "92311",
    "name": "Oak Brook",
    "country": "United States",
    "orgCode": "PRAK-CHI",
    "orgId": "16703",
    "parentOrgCode": "PRAK",
    "parentOrgName": "Ppeedy Trucking",
    "label": "PRAK-CHI -- Ppeedy Trucking",
    "partyType": "RemitTo"
  },
  {
    "contactPhoneNumber": "",
    "address1": "",
    "address2": "",
    "city": "",
    "state": "",
  }
]
```

```
"zip": "",
"name": "automation DND",
"country": "",
"orgCode": "AUTO-DND",
"orgId": "2895832",
"parentOrgCode": "AUTO",
"parentOrgName": "AUTO",
"label": "AUTO-DND -- AUTO",
"partyType": "BillTo"
}
],
"invoiceShipmentDTOs": [
{
  "createShipment": false,
  "deleted": false,
  "deliveryDate": null,
  "destinationAddress1": "",
  "destinationAddress2": "",
  "destinationCity": "",
  "destinationCountry": "",
  "destinationLocationCode": "",
  "destinationLocationType": "",
  "destinationName": "",
  "destinationPostalCode": "",
  "destinationState": "",
  "eta": null,
  "etd": null,
  "loadType": "",
  "mode": "",
  "originAddress1": "",
  "originAddress2": "",
  "originCity": "",
  "originCountry": "",
  "originLocationCode": "",
  "originLocationType": "",
  "originName": "",
  "originPostalCode": "",
  "originState": "",
  "pickupDate": null,
  "podUnlocode": "",
  "polUnlocode": "",
  "portOfDischarge": "",
  "portOfLoading": "",
  "proNumber": "",
  "shipmentDate": "2022-11-30T09:42:44.310Z",
  "shipmentId": 45876,
  "shipmentLegId": 0,
```

```
"shipmentNumber": "SAUTODNDSPDYCHI2022101912034718",
"workOrderNumber": "",
"shipmentType": "",
"vesselCode": "",
"vesselName": "",
"voyage": "",
"workOrder": false,
"amount": 600,
"currencyCode": "USD",
"invoiceEquipmentDTOs": [
  {
    "invoiceEquipmentId": 46024,
    "equipmentNumber": "EQUP8769280",
    "equipmentType": "",
    "volume": 0,
    "volumeUom": "",
    "weight": 0,
    "weightQualifier": "",
    "weightUom": "",
    "sealNumber": "",
    "hazmat": "",
    "overweight": "",
    "comments": "",
    "pieces": 0,
    "height": 0,
    "width": 0,
    "length": 0,
    "dimensionUom": "",
    "packageType": "",
    "packages": "",
    "customsCommodityCode": "",
    "invoiceChargeDTOs": [
      {
        "billingAmount": 100,
        "chargeCode": "BAS",
        "chargeName": "Base Charge",
        "chargeBasis": "Flat",
        "chargeGroup": "",
        "currencyCode": "USD",
        "deleted": false,
        "invoiceChargeId": 58423,
        "shipmentChargeId": 0,
        "unitPrice": 0,
        "uom": "Flat",
        "workorderChargeId": 0,
        "equipmentId": 46024,
        "comments": ""
      }
    ]
  }
]
```

```
    },
    {
      "billingAmount": 300,
      "chargeCode": "BRS",
      "chargeName": "Bridge Service Fee",
      "chargeBasis": "Flat",
      "chargeGroup": "",
      "currencyCode": "USD",
      "deleted": false,
      "invoiceChargeId": 58421,
      "shipmentChargeId": 0,
      "unitPrice": 0,
      "uom": "Flat",
      "workorderChargeId": 0,
      "equipmentId": 46024,
      "comments": ""
    },
    {
      "billingAmount": 200,
      "chargeCode": "405",
      "chargeName": "Additional Fuel Surcharge",
      "chargeBasis": "Flat",
      "chargeGroup": "",
      "currencyCode": "USD",
      "deleted": false,
      "invoiceChargeId": 58422,
      "shipmentChargeId": 0,
      "unitPrice": 0,
      "uom": "Flat",
      "workorderChargeId": 0,
      "equipmentId": 46024,
      "comments": ""
    }
  ]
},
{
  "invoiceReferenceDTOs": [
    {
      "referenceCode": "BILLOFLADING",
      "referenceValue": "BOL4505215"
    },
    {
      "referenceCode": "BOOKINGNUM",
      "referenceValue": "BOOK0849003"
    }
  ]
}
```



```
]
}
```

#### 4.4.2. Sample Response to Update an Invoice

```
{
  "result": {
    "message": "Invoice update successful",
    "invoiceId": 21431,
    "invoiceNumber": "IAUTODNDSPDYCHI2022101912034718",
    "originatorCode": "AUTO-DND",
    "partnerCode": "PRAK-CHI"
  },
  "code": 200,
  "correlationId": "dec642bd-ac4b-4cf9-acc6-f1558d7bb6e0",
  "error": [],
  "status": "Success",
  "timestamp": "Wed Nov 30 09:42:44 GMT 2022"
}
```

### 4.5. Approve Invoice



**Note:** View the Field Description (*on page 20*) section for additional information on the attributes that are present in the JSON.

#### 4.5.1. Sample Request to Approve an Invoice

```
[
  {
    "invoiceId": 19049,
    "invoiceNumber": "INV381310",
    "action": "APPROVE",
    "source": "invoiceUI",
    "user": "vvuser",
    "version": 1
  }
]
```

#### 4.5.2. Sample Response to Approve an Invoice

```
{
  "result": [
    {
```

```
"message": "Invoice approval successful",
"invoiceId": 19049,
"invoiceNumber": "INV381310",
"originatorCode": "PCRK-MIN",
"partnerCode": "FCKI-LAX"
},
],
"code": 200,
"correlationId": "3bea8d29-f6b7-4970-a11c-4753709d2396",
"error": [],
"status": "Success",
"timestamp": "Thu Nov 24 09:46:23 GMT 2022"
```

## 4.6. Decline Invoice



**Note:** View the Field Description (on page 20) section for additional information on the attributes that are present in the JSON.

### 4.6.1. Sample Request to Decline an Invoice

```
[
{
"invoiceId": 19049,
"invoiceNumber": "INV381310",
"action": "DECLINE",
"source": "invoiceUI",
"user": "vvuser",
"version": 1
}
]
```

### 4.6.2. Sample Response to Decline an Invoice

```
{
"result": [
{
"message": "Invoice rejection successful",
"invoiceId": 19157,
"invoiceNumber": "INVMM0908-001VV",
"originatorCode": "PRAK-MIN",
"partnerCode": "KARH-OAK"
}
],
"code": 200,
```

```
"correlationId": "f89b4322-e4a0-41d3-b4af-1a7b5406673d",  
"error": [],  
"status": "Success",  
"timestamp": "Thu Nov 24 09:41:34 GMT 2022"  
}
```

## 5. Field Description

Attribute Names pertaining to date and time for example "createDttm" is represented as "MM-dd-yyyy HH:mm".



**Attention:** The field descriptions are for the reference purposes only.

The field descriptions for the attributes listed in the JSON code block are provided below:

Table 3. Header API Tables

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Condition	Values	Description	Additional Notes
<b>correlationId</b>	String	Required	20		Can be any value, like 111,123	Correlation id is for debugging and log analysis	Used for internal Purpose
<b>dateSent</b>	Datetime	Required				The <b>dateSent</b> of an invoice typically refers to the date on which the invoice was sent or delivered to the customer.	
<b>paymentDueDate</b>	Datetime	Optional				The <b>paymentDueDate</b> of an invoice is the date on which payment for the goods or services listed on the invoice is due.	
<b>paymentTerms</b>	String	Optional	20			The <b>paymentTerms</b> are the conditions under which a seller agrees to provide goods or services to a buyer, and the conditions under which the buyer agrees to pay for those goods or services.	
<b>originatorCode</b>	String	Optional	50			A unique identifier or code assigned to a person or organization that	

Table 3. Header API Tables (continued)

Attribute Name	Type	Required Optional Conditional Read Only	Max Length	Condition	Values	Description	Additional Notes
						initiates a specific action or transaction is referred to as an <b>originatorCode</b> .	
<b>invoicePaymentMethod</b>	String	Optional	10			The <b>invoicePaymentMethod</b> is how a customer pays for the goods or services listed on an invoice. This could include cash, check, credit card, or electronic transfer.	
<b>invoiceType</b>	String	Required	10			An <b>invoiceType</b> refers to the category or classification of the goods or services being invoiced. Different types of invoices can be used for different purposes, and the type of invoice can influence the information on the invoice as well as how the invoice is processed.	
<b>mode</b>	String	Optional	45			The attribute <b>mode</b> refers to the specific method or means of issuing	

Table 3. Header API Tables (continued)

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Condition	Values	Description	Additional Notes
						or transmitting an invoice to a customer.	
<b>totalAmount</b>	String	Optional	14,4			The <b>totalAmount</b> refers to the total cost of the goods or services listed on the invoice, including any taxes or fees that may be applicable.	
<b>currencyCode</b>	String	Optional	10			The <b>currencyCode</b> refers to the three-letter code that represents the currency in which the invoice is denominated.	
<b>additionalNotes</b>	String	Optional	500			Any additional information or comments that the seller intends to include on the invoice are referred to as <b>additionalNotes</b> .	
<b>orgCode</b>	String	Optional	50			The attribute <b>orgCode</b> refers to a unique code or identifier assigned to an organization.	
<b>name</b>	String	Required	150			Name of the organization.	

**Table 3. Header API Tables (continued)**

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Condition	Values	Description	Additional Notes
<b>address1</b>	String	Optional	200			The <b>address1</b> attribute typically corresponds to the first line of the address, which may include the street number and name, the apartment or suite number, or other identifying information.	
<b>address2</b>	String	Optional	200			The <b>address2</b> attribute contains details that do not fit on the first line of the address, such as a building or unit number, a floor or suite number, or other identifying information.	
<b>city</b>	String	Optional	100			The <b>city</b> refers to the specific urban area or locality in which the address is located.	
<b>state</b>	String	Optional	50			The <b>state</b> refers to the specific political division or administrative region in which the address is located.	



Table 3. Header API Tables (continued)

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Condition	Values	Description	Additional Notes
<b>zip</b>	String	Optional	50			The <b>zip</b> refers to a system of postal codes used in the United States to identify specific locations. The term ZIP is an acronym for Zone Improvement Plan.	
<b>country</b>	String	Optional	50			The <b>country</b> refers to the specific nation or political entity in which the address is located.	
<b>contactPhoneNumber</b>	String	Optional	50			A <b>contactPhoneNumber</b> is a phone number that is associated with the person or organization at the address, and that can be used to contact that person or organization.	
<b>partyType</b>	String	Required	10			The <b>partyType</b> refers to the specific category or classification of the person or organization listed. The <b>partyType</b> can be the seller, the buyer, or another person	

**Table 3. Header API Tables (continued)**

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Condition	Values	Description	Additional Notes
						or organization involved in the transaction.	
<b>shipmentNumber</b>	String	Required	50			The <b>shipmentNumber</b> is a unique identifier for a specific shipment of goods.	
<b>workOrderNumber</b>	String	Optional	45			The <b>workOrderNumber</b> is a unique identifier for a specific work order.	
<b>shipmentType</b>	String	Optional	45			The attribute <b>shipmentType</b> refers to the specific nature of the transaction and the movement of the goods. For example Import, Export and Domestic.	
<b>deliveryDate</b>	Datetime	Optional				The <b>deliveryDate</b> is the date when the goods are expected to arrive to the buyer.	
<b>originLocationCode</b>	String	Optional	10			The <b>originLocationCode</b> is a unique identifier of the location from which the goods are shipped.	

**Table 3. Header API Tables (continued)**

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Condition	Values	Description	Additional Notes
<b>originName</b>	String	Optional	200			The <b>originName</b> is name of the location from which the goods are shipped.	
<b>originLocationType</b>	String	Optional	50			The <b>originLocationType</b> refers to the specific classification of the location from which the goods are shipped.	
<b>originAddress1</b>	String	Optional	200			The first line of the street address of the location from which the goods are being shipped is referred to as the <b>originAddress1</b> .	
<b>originCity</b>	String	Optional	50			The <b>originCity</b> is the location or city from which the goods are shipped.	
<b>originState</b>	String	Optional	50			The <b>originState</b> is the location or state from which the goods are shipped.	
<b>originPostalCode</b>	String	Optional	20			The postal code (or zip code) of the city or location where the	

Table 3. Header API Tables (continued)

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Condition	Values	Description	Additional Notes
						shipment begins its journey is the <b>originPostalCode</b> .	
<b>originCountry</b>	String	Optional	50			The <b>originCountry</b> is the country from which the shipment originated or was sent.	
<b>originPlusCode</b>	String	Optional	50			It is a unique code or identifier associated with the origin country of the shipment.	
<b>destinationLocationCode</b>	String	Optional	10			The <b>destinationLocationCode</b> is a unique identifier of the location to which the goods are delivered.	
<b>destinationName</b>	String	Optional	200			The <b>destinationName</b> is name of the location to which the goods are delivered.	
<b>destinationLocationType</b>	String	Optional	50			The <b>destinationLocationType</b> refers to the specific classification of the location to which the goods are delivered.	

Table 3. Header API Tables (continued)

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Condition	Values	Description	Additional Notes
<b>destinationAddress1</b>	String	Optional	200			The first line of the street address of the location to which the goods are being delivered is referred to as the <b>destinationAddress1</b> .	
<b>destinationCity</b>	String	Optional	50			The <b>destinationCity</b> is the location or city to which the goods are delivered.	
<b>destinationState</b>	String	Optional	50			The <b>destinationState</b> is the location or state to which the goods are delivered.	
<b>destinationPostalCode</b>	String	Optional	20			The postal code (or zip code) of the city or location to which the shipment ends its journey is the <b>destinationPostalCode</b> .	
<b>destinationCountry</b>	String	Optional	50			The <b>destinationCountry</b> is the country to which the shipment delivered.	

Table 3. Header API Tables (continued)

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Conditio	Values	Description	Additional Notes
<b>destinationPlusCode</b>	String	Optional	50			A <b>destinationPlusCode</b> is a short, unique identifier for a specific location that can be used in place of an address.	
<b>equipmentNumber</b>	String	Optional	20			An <b>equipmentNumber</b> is a unique identifier assigned to a specific piece of transportation equipment, such as a truck, trailer, or container.	
<b>equipmentType</b>	String	Optional	6			An <b>equipmentType</b> is a category or class of equipment that is defined by its function, capabilities, and characteristics.	
<b>chargeCode</b>	String	Required	20			A <b>chargeCode</b> is a unique identifier that is assigned to a specific type of charge or fee.	
<b>chargeName</b>	String	Optional	50			On an invoice, a <b>chargeName</b> is a description of the goods or services being charged for.	

Table 3. Header API Tables (continued)

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Conditio	Values	Description	Additional Notes
<b>chargeBasis</b>	String	Optional	50			The <b>chargeBasis</b> attribute refers to the unit of measurement that is used to calculate the cost of a product or service.	
<b>status</b>	Int	Optional	10			The <b>status</b> attribute refers to the current state or condition of an invoice.	
<b>dateCreated</b>	DateTime	Required				The <b>dateCreated</b> attribute refers to when the invoice was created or generated.	
<b>dateModified</b>	DateTime	Required				The <b>dateModified</b> attribute indicates when an invoice was last modified or updated.	
<b>modifiedBy</b>	DateTime	Required				The <b>modifiedBy</b> attribute refers to the person or entity that made changes to an invoice.	

Table 3. Header API Tables (continued)

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Condition	Values	Description	Additional Notes
<b>createdSource</b>	String	Required	50			The <b>createdSource</b> refers to the source or origin of the invoice.	
<b>lastModifiedSource</b>	String	Required	50			The <b>lastModifiedSource</b> refers to the person or entity that made the most recent changes to the invoice.	
<b>invoiceNumber</b>	String	Required	50			An <b>invoiceNumber</b> is a unique identifier assigned to an invoice. It tracks and manages the invoice, and distinguishes it from other invoices.	
<b>statusDescription</b>	String	Read Only	50			The <b>statusDescription</b> attribute refers to a brief explanation or summary of the current status of the invoice. This could include information about whether the invoice has been paid, is overdue, or is still being processed.	



**Table 3. Header API Tables (continued)**

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Condition	Values	Description	Additional Notes
<b>partnerCode</b>	String	Optional	50			The <b>partnerCode</b> attribute refers to a unique identifier that is assigned to a business partner or customer.	
<b>dateApproved</b>	DateTime	Optional				The <b>dateApproved</b> attribute refers to the date the invoice was approved or accepted by the person or business in charge of paying it.	
<b>approvedBy</b>	String	Optional	50			The <b>approvedBy</b> attribute refers to the person or entity that has approved or accepted the invoice.	
<b>acknowledgement</b>	Char	Required	1		Valid Values: <ul style="list-style-type: none"><li>• Y</li><li>• N</li></ul>	The <b>acknowledgementStatus</b> attribute refers to the status of an invoice that has been sent to the payee.	
<b>contactEmail</b>	String	Optional	100			An <b>contactEmail</b> is used for correspondence about the invoice.	

Table 3. Header API Tables (continued)

Attribute Name	Type	Required Optional Condition Read Only	Max Length	Condition	Values	Description	Additional Notes
<b>pickupDate</b>	Datetime	Optional				The <b>pickupDate</b> refers to the date on which a shipment is collected or picked up from the sender's location.	
<b>weight</b>	String	Optional	10,2			The <b>weight</b> of an item or shipment is used to calculate the cost of transportation or storage.	
<b>volume</b>	String	Optional	10,2			The <b>volume</b> of an item or shipment is used to calculate the cost of transportation or storage.	
<b>hazmat</b>	String	Optional	1			<b>hazmat</b> is short for <b>hazardous materials</b> which are substances or items that pose a potential risk to health, safety, or the environment.	
<b>overweight</b>	String	Optional	1			The attribute <b>overweight</b> refers to a shipment that exceeds transportation weight limits or rate tiers.	

**Table 3. Header API Tables (continued)**

Attribute Name	Type	Required Optional Conditional Read Only	Max Length	Condition	Values	Description	Additional Notes
<b>pieces</b>	Double	Optional	9,2			The attribute <b>pieces</b> refers to the number of individual items or units that are included in a shipment.	
<b>height</b>	Double	Optional	9,2			The attribute <b>height</b> refers to the vertical dimension or distance from the bottom to the top of an object.	
<b>width</b>	Double	Optional	9,2			The attribute <b>width</b> refers to the horizontal dimension or distance from one side to the other of an object.	
<b>length</b>	Double	Optional	9,2			The attribute <b>length</b> refers to the horizontal dimension or distance from one end to the other of an object.	

## 6. Error Codes



**Note:** Please email [support@blumeglobal.com](mailto:support@blumeglobal.com) to speak with Blume Global Support if you require more information on specific error codes.

**Table 4. Error Codes**

Error Code	Error Description
BO612001	Content Errors : Error! Please try again later
BO612002	Content Errors : Charge code {O} is invalid
BO612003	Content Errors : Invoice already exists
BO613001	Missing Data Errors : Data not found
BO612004	Content Errors : Update not allowed
BO612005	Content Errors : Bill-To party organization code not exists
BO612006	Content Errors : Remit-To party organization code not exists
BO613002	Missing Data Errors : Remit-To & Bill-To partnership not exists
BO613003	Missing Data Errors : At least one shipment is required on the invoice
BO613004	Missing Data Errors : At least one charge is required on shipment
BO612007	Content Errors : Invalid Currency
BO612008	Content Errors : Invoice cannot have more than one shipment
BO612009	Content Errors : {O}:Invoicing suspended for this carrier-{1} due to exceptional reason
BO613005	Missing Data Errors : SCAC cannot be empty
BO613006	Missing Data Errors : KeyField can't be empty
BO613007	Missing Data Errors : ValueField can't be empty
BO612010	Content Errors : Invoice Configuration already exists
BO612011	Total cost changed due to auto reassignment.
BO612012	Content Errors : Multiple tolerance set for a charge
BO612013	Content Errors : Tolerance percentage should not greater than 100
BO613008	Missing Data Errors : Originator code is required

**Table 4. Error Codes (continued)**

Error Code	Error Description
BO613009	Missing Data Errors : Organization details from HUB is null
BO612014	Content Errors : Empty request
BO612015	Content Errors : Invalid action
BO612016	Content Errors : Invalid invoice status for approve/decline
BO612017	Content Errors : No suitable action found
BO612018	Content Errors : Invalid Acknowledgement Status Code
BO622019	Content Errors : Invalid Acknowledgement Status Code
BO612020	Content Errors : Invalid Field Name for filterSearch
BO612021	Content Errors : Invalid page size
BO613010	Missing Data Errors : Sorting failed as field doesn't exist
BO623011	Missing Data Errors : No shipment attached to invoice. Cancelling invoice.
BO623012	Missing Data Errors : Carrier is not assigned to the shipment. Removing shipment.
BO613013	Missing Data Errors : Customer code is not present
BO613014	Missing Data Errors : Customer order status or shipment status not present
BO623015	Missing Data Errors : Payment Due Date is empty
BO612022	Content Errors : Entity Name, Attribute Name and Originator Code Combination Exists
BO613016	Missing Data Errors : Entity Name cannot be empty
BO613017	Missing Data Errors : Attribute Name cannot be empty
BO613018	Missing Data Errors : Attribute Display Name cannot be empty
BO613019	Missing Data Errors : Originator Code cannot be empty
BO613020	Missing Data Errors : Code cannot be empty
BO613021	Missing Data Errors : Lookup Entity cannot be empty
BO612023	Content Errors : Lookup Master, Code and Originator Code Combination Exists
BO613022	Missing Data Errors : UI Widget Type cannot be empty

**Table 4. Error Codes (continued)**

Error Code	Error Description
B0612024	Content Errors : Lookup Entity is in use in some Custom Attribute Configuration
B0612025	Content Errors : Maximum {0} number of shipments are allowed per Invoice for Originator – {1}
B0623023	Missing Data Errors : Since Payment Due date is empty, user is not allowed to approve/decline invoice
B0613024	Missing Data Errors : Company code is not present
B0613025	Missing Data Errors : Debtor code is not present
B0613026	Missing Data Errors : AconTrackingNo is not present
B0612026	Content Errors : Customer Order is in status other than Completed
B0612027	Content Errors : Customer Order is in loss
B0612028	Content Errors : All shipment leg charges are not present in customer order
B0612029	Content Errors : Currency code should be same for all charges
B0612030	Content Errors : {0} Shipment Legs(s) are still not charge complete
B0639001	Internal Errors : Credit check has been approved
B0629002	Internal Errors : Credit check is Pending for approval
B0629003	Internal Errors : Credit check is Rejected
B0613027	Missing Data Errors : Hub Configuration missing information
B0612031	Content Errors : Container is not assigned for Work Order(s) {0}
B0612032	Content Errors : Work Orders(s) are still not completed {0}
B0612033	Content Errors : Invalid Reason code type
B0612034	Content Errors : Invalid invoice status for audit
B0613028	Missing Data Errors : Equipment not assigned for Shipment(s)
B0612035	Content Errors : Invoice Number is non-editable for statuses other than Draft
B0612036	Content Errors : Invoice already exists with this InvoiceNumber-{0}, OriginatorCode-{1}, PertnerCode-{2}

**Table 4. Error Codes (continued)**

Error Code	Error Description
B0612037	Content Errors : Invoice Restrictions Configuration Enabled. Shipment Leg not found.

## 7. Appendix

Refer to your customer specific data requirements to ensure you are entering all information requested by your customer.

If you need a copy of your customer data requirements please contact Blume Global Support at [support@blumeglobal.com](mailto:support@blumeglobal.com).