Jerry-Domestic Create Shipment API

- **Document modification record**

Version	Date	Author	Comment
V 1.0	06/11/2017	Bain Bai	Initial
V 1.5	06/12/2017	Bain Bai	Second version of API Stock control added
V 2.0	19/01/2018	Bain Bai	Third version of API ECI added, default sender address added.
V 2.1	20/01/2018	Bain Bai	Add Chinese products name
V 2.5	01/02/2018	Bain Bai	Add product TNT
V 2.6	05/03/2018	Liang Huang	Add product Large Letter
V 2.7	13/03/2018	Liang Huang	Add product Domestic EWE
V 2.8	21/03/2018	Liang Huang	Add Single item length , width ,height
V 2.9	23/04/2018	Liang Huang	Modify the TNT name to be Freight Service
V 3.0	18/07/2018	Liang Huang	Error message code added

Version	Date	Author	Comment
V 3.1	23/07/2018	Liang Huang	xlsx document to markdown

Requirements

- **The customer should register in Jerry system before using this API**

- **The customer who use stock control should lodge their product into Jerry system.**

- **EParcel product, which is AU POST domestic service.**

- **ECI product, which is AU POST international service. All info will be transfer to AUPOST**

- **EParcel label will be about 100mm×150mm**

- **ECI label will be of A4 size.**

- **LARGE LETTERI will be about 100mm×90mm, DOMESTIC EWI will be about 100mm×150mm**

- **EParcel label is generate in JERRY system, so there will be no time gap between lodging shipment and print label.**

- **ECI label is generate in AU POST system, which may take some time, so we suggested you to wait for time, after you lodge your shipments. If you wait too long, you could contact JERRY.**

JSON data

- **Test Address**

https://newomstest.ewe.com.au/eweApi/ewe/api/pushShipment

- **Live Address**

Jerry will provide the username and key after the customer go through all the test API

- **Request method**

POST

- **Header content-type**

application/javascript

Request Data details

All the data must be English.

Element name	Type	Optional/Mandatory	Comments
username	String	Mandatory	This will provided by EWE
digest	String	Mandatory	The digest algorithm will be shown below
shipments	array[shipments]	Mandatory	See below
msgType	String	Mandatory	Should be pushUnCreatedShipments
version	String	Optional	Could be 3.0

- **Shipments**

Element name	Type	Optional/Mandatory	Comments
sender_reference	String	Mandatory	The customer reference number
email_tracking_enabled	Boolean	Optional	Whether enable AuPost to send email to notice the receiver Note: when this area is set to true, the receiver email must be provided or else it will not work It is optional, if it is not set, it will use the user default setting.

Element name	Type	Optional/Mandatory	Comments
from	from	Optional	If the customer has already set the default sender address, when the customer does not send the sender address info, the system will automatically add the default one. Which will improve the efficiency. To set default address, the customer can either log in Jerry system to set, or contact with the Jerry person.
to	to	Mandatory	Receiver info
items	array[items]	Mandatory	The item size must be 1

- **From**

> **For customer, usually the sender info is a static address:**
> **If EWE do the dispatch work, the sender address should be EWE warehouse address, provided by EWE.**
> **If the customer do the dispatch work, the sender address will be the customer address.**

Element name	Type	Optional/Mandatory	Comments
name	String	Mandatory	No Longer than 40 words
lines	Array	Mandatory	The address lines of the address. Minimum of one address line, up to a maximum of three. Each address line is a maximum of 40 characters.
suburb	String	Mandatory	There will be a validation of these area
state	String	Mandatory	There will be a validation of these area
postcode	String	Mandatory	There will be a validation of these area

Element name	Type	Optional/Mandatory	Comments
phone	String	Mandatory	The phone number must be between 10 and 20 characters in length and the allowable characters are "()- 0-9" (digits, space, hyphen and parentheses.) Examples are 0491-570-156, 02) 5550 1234, +61 (3) 7010 4321.
email	String	Optional	Sender email address

- **To**

Element name	Type	Optional/Mandatory	Comments
name	String	Mandatory	No Longer than 40 words
lines	Array	Mandatory	The address lines of the address. Minimum of one address line, up to a maximum of three. Each address line is a maximum of 40 characters.
suburb	String	Mandatory	There will be a validation of these area
state	String	Mandatory	There will be a validation of these area
postcode	String	Mandatory	There will be a validation of these area
phone	String	Optional	The phone number must be between 10 and 20 characters in length and the allowable characters are "()- 0-9" (digits, space, hyphen and parentheses.) Examples are 0491-570-156, 02) 5550 1234, +61 (3) 7010 4321.
email	String	Optional	Receiver email address
country	String	Mandatory	For EPARCEL. Please set AU For ECI, The country code for the address. The country code must conform to ISO 3166-1 alpha-2 standard.

- **Items**

For Freight Service product the usestock field should be 1

Element name	Type	Optional/Mandatory	Comments
item_description	String	Optional	Item description, it will appear on the label
product_id	String	Mandatory	See appendix 1.
length	Double	Optional	in centimeters. Each should not be over 105 cm, every two should not be less than 5cm, the volume should not be over 0.25m3
width	Double	Optional	width
height	Double	Optional	height
weight	Double	Mandatory	weight,See appendix 1.
authority_to_leave	Boolean	Optional	Whether the item can be left in a safe place on delivery without receiving a signature. This is optional for domestic shipments (and defaults to true), but must not be specified for international shipments. This field works with the safe_drop_enabled field. Optional, if the API does not provide the field, it will be set as user default setting

Element name	Type	Optional/Mandatory	Comments
safe_drop_enabled	Boolean	Optional	Whether your customer can request that the item be left in a safe place at the delivery address if they are not home to sign for their delivery. Your customer can request this while the item is on its way. This field is optional for domestic shipments (and defaults to true), but must not be specified for international shipments. This field works with the authority_to_leave field. If the authority_to_leave field is set to true, the safe_drop_enabled field is ignored. Optional，if the API does not provide the field, it will be set as user default setting
useStock	Integer	Optional	If the customer use stock , set this area to 1If the customer don't use stock, you can ignore this area or set to 0
merchandise	Array[merchandise]	Optional for not using stock,Mandatory for using stock,Mandatory for using ECI	See below

- **Merchandise**
  Basic information about stock control:

- barcode: The product barcode，one item for one barcode，Note: for one product the old version the new version will have two different barcode.
- sku: That's why Jerry use sku to organize all the products，so that the different version of products will count as one product.
- goodsName: the product name Basic info when using ECI:
- Product Type，except EPARCEL and EXPRESS, the rest are international, product the

Element name	Type	Optional/Mandatory	Comments
sku	String	Optional for not using stock, Mandatory for using stock	
goodsName	String	Suggested	Products name
goodsNameCn	String	Suggested	Products name in Chinese
barcode	String	Optional	UPC
description	String	Optional	Mandatory for ECI
country_of_origin	String	Optional	Product origin country
quantity	Integer	Optional for not using stock, Mandatory for stock Mandatory for ECI	quantity
value	Decimal	Optional Mandatory for ECI	Single item price
length	Decimal	Optional Mandatory for Freight Service	Single item length
width	Decimal	Optional Mandatory for Freight Service	Single item width
height	Decimal	Optional Mandatory for Freight Service	Single item height
weight	Decimal	Optional Mandatory for Freight Service	Single item weight

Response Data details

Element name	Type	Optional/Mandatory	Comments

Element name	Type	Optional/Mandatory	Comments
shipments	array[shipments]	Optional	
errors	array[errors]	是Mandatory	errors
code	Integer	Mandatory	See appendix 2.

- **Shipments**

Element name	Type	Optional/Mandatory	Comments
sender_references	array[shipments]	Mandatory	The customer reference number
items	array[items]	Mandatory	
msg	String	Mandatory	message

- **Items**

Element name	Type	Optional/Mandatory	Comments
article_id	String	Optional	article id
consignment_id	String	Optional	consignment id
item_description	String	Mandatory	Item description
pdf_url	String	Optional	Label URL

- **Errors**

Element name	Type	Optional/Mandatory	Comments
message	String	Mandatory	Errors
sender_reference	String	Mandatory	The customer reference number

Digest algorithm

The digest algorithm is MD5 + base64 algorithm, for string 123456,
the digest will be Hf+Gw8Yl5KPtn047o9yzwQ==
example:
digest = test + 1 + pushUnCreatedShipments + 123456

```
String content = username  + auPostShipmentsToJerryDto.getShipments().size() + auPostShipmentsT

String digest = MD5Util.MD5Encode(content, auCustomer.getPassword());
//content = test1pushUnCreatedShipments
//keys = 123456
public static String MD5Encode(String content, String keys) {
    String sign = "";
    String charset = "UTF-8";
     content = content + keys;
     try {
        MessageDigest md = MessageDigest.getInstance("MD5");
         md.update(content.getBytes(charset));
         sign = new String(Base64.encodeBase64(md.digest()), charset);
    } catch (Exception e) {
        throw new RuntimeException(e);
    }
    return sign;
}
```

EWE will provide the key and the test is shown in the example below.

JSON

- **The request example**

```json
{
        "username":"test",
        "digest":"Hf+Gw8Yl5KPtn047o9yzwQ==",
        "msgType":"pushUnCreatedShipments",
        "version":"1.0",
        "shipments":[{
                "sender_reference":"124",
                "from":{
                        "name":"Sydney ",
                        "phone":"0296442648",
                        "suburb":"Chullora",
                        "state":"NSW",
                        "lines":["haha"],
                        "postcode":"2190"
                },
                "to":{
                        "name":"MengyangBai",
                        "phone":"0404280016",
                        "suburb":"Croydon",
                        "state":"NSW",
                        "lines":["haha"],
                        "postcode":"2132"
                },
                "items":[{
                        "item_description":"123",
                        "product_id":"3D35",
                        "weight":1.25,
                        "length":5,
        "merchandise": [
        {
          "sku": "N004-1",
          "goodsName": "milk",
          "goodsNameCn": "中文",
          "description": "milk",
          "quantity": "1",
          "value": 0.8
        }
    ]
                }]
        }]
}
```

- **The response example**

```json
{
    "shipments": [
        {
            "isSuccess": true,
            "items": [
                {
                    "article_id": "ABC200000001000931503",
                    "consignment_id": "ABC2000000",
                    "item_description": "123",
                    "pdf_url": "https://newomstest.ewe.com.au/eweApi/ewe/aupost/printSingleLabe
                }
            ],
            "msg": "推送成功"
        }
    ],
    "errors": [],
    "code":0
}
```

◄ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬ ►

Appendix 1

Note:

- **The green is EParcel product, which is AU POST domestic service.**
- **The yellow is ECI product, which is AU POST international service. All info will be transfer to AU POST**
- **The blue is Freight Service product**
- **The gray is LARGE LETTER product**
- **The red is DOMESTIC EWE product**

Charge Code	Product Type	Return to the waybill number	Max Weight(KG)
3D35	PARCEL POST + SIGNATURE	Yes	22
3J35	EXPRESS POST + SIGNATURE	Yes	22
ECM8	INTL EXPRESS MERCH/ECI MERCH	No	20
PTI8	INTL STANDARD/PACK & TRACK	No	22
ECD8	INTL EXPRESS DOCS/ECI DOCS	No	2

Charge Code	Product Type	Return to the waybill number	Max Weight(KG)
RPI8	INTL ECONOMY W SOD/ REGD POST	No	2
999998	Freight Service	No	100
999997	LARGE LETTER	No	22
999996	DOMESTIC EWE	No	∞

Appendix 2

API return code

Code	Error Description
0	Success
1	Unknown error
2	Service temporarily unavailable
3	Unsupported openapi method
10	Invalid parameter
101	Invalid API key
104	Incorrect signature