ECMS International Logistic Co. Ltd

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Cross Border logisticS systemS Interface

Technical Specifications

V1.07

AUG 2015

**Revisions**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Brief Description** | **Prepared By** | **Date** |
| 0.5 | Cross border API for personal goods to China | Haitao Shi | 2015/7/19 |
| 1.0 | Added invoice file transfer interfaces | Haitao Shi | 2015/7/20 |
| 1.04 | Mark fields Weight, Length, Width ,Heights& Currency as mandatory | Haitao Shi | 2015/7/30 |
| 1.05 | Added E-shop’s registered email and phone number | Xingran Zhou | 2015/8/13 |
| 1.06 | Added Weight\_unit ,Legnth\_unit，specification，ExpressNo,Product Link fields. | Xingran Zhou | 2015/10/26 |

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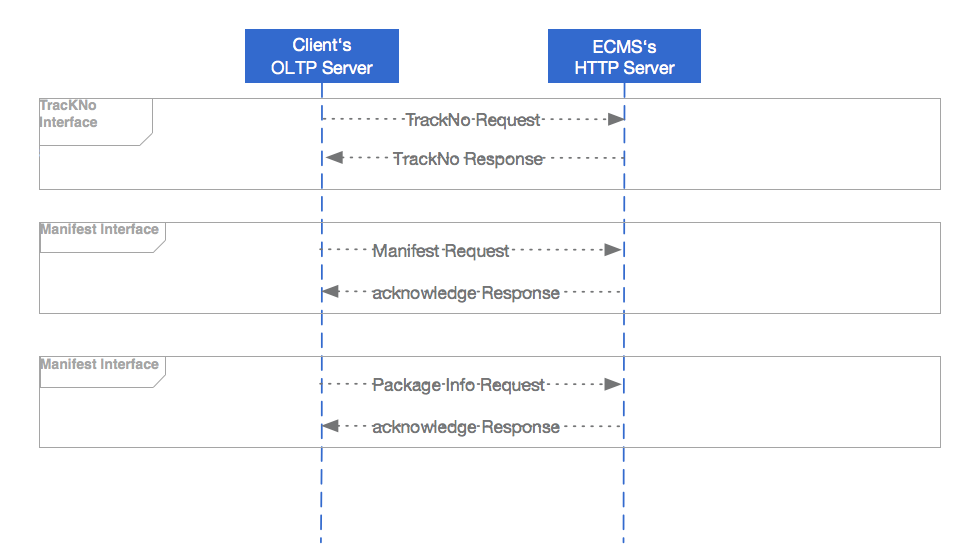
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# General

## Introduction

This specification is intended to assist ECMS’ client software developers to develop integration component using ECMS cross border logistics API. The interface definition is including the logistic manifest request to ECMS, the TrackNos request to ECMS and the package additional info sent to ECMS.

## Interaction Scenario



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Interface Group | Interface | Description | Mode | Remark |
| TrackNo | TrackNo | Client uses this API to get the TrackNo from ECMS logistics services. | API |  |
| Manifest | Manifest | Client uses this API to send the order logistics manifest for ECMS logistics services. | API | Contains multiple orders in one call |
| Package Additional Info | Package Additional Info | Client uses this API to sent the package additional info for ECMS logistics services. | API |  |

# Interface Definitions

* **Note**
* Field M/O flag: M：Mandatory / O：Optional

## TrackNo Interface

### Protocol

* **Request Method:** HTTP(S) POST
* **Character Set:** UTF8
* **Merchant** --> ECMS

### Request Message

* **Request Fields**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **M/O** | **Type** | **Length** | **Value** | **Description** |
| serial | M | String | 32 |  | Unique number identify the specific request, will reject request with identical serial number |
| version | M | String | 10 | default 1.0 | Version |
| request\_time | M | String | 16 |  | YYYYMMDDHHMMSS |
| merchant\_id | M | String | 10 |  | Merchant id , pre-assigned by ECMS |
| quantity | M | Int | 8 |  | Maximum: 1000 |
| sign | M | String | 32 |  | MD5, refer to signature description |

### Response Message

* **Structure**

|  |  |
| --- | --- |
| **Node** | **remark** |
| <Response> |  |
| …… |  |
| <TrackNos> |  |
| <TrackNo></ TrackNo> | Repeat, the elements under this node are defined in the Element Section |
| < TrackNo></ TrackNo> |  |
| </ TrackNos > |  |
| </Response> |  |

* **Element**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Element** | **M/O** | **Type** | | **Length** | | **Value** | | **Description** |
| Ack | M | String | | 10 | |  | | Success or Failure |
| ExecuteTime | M | String | | 16 | |  | | UTC |
| Code | M | String | | 10 | |  | | Refer to [error codes](#_Error_Codes) |
| Message | M | String | | 500 | |  | | Refer to [error codes](#_Error_Codes) |
| TrackNos | | |  | |  | |  | |
| TrackNo | | |  | |  | |  | |
| ECMSTrackNo | O | String | | 32 | |  | | The tracking number assigned by ECMS. |
| ExpressNo | M | String | | 50 | |  | | The tracking Number assigned by Express company. |

### Message Example

* **Request:** *http://url? merchant\_id=001&quantity=2&request\_time=20151026135021&serial=SEL0000000001&version=1.0&sign=64c35fb358b15f7b24ac59400ee5bef2*
* **Response：**

<Response>

<Ack>Success</Ack>

<ExecuteTime>20151026135000</ExecuteTime>

<Code></Code>

<Message></Message>

<TrackNos>

<TrackNo>

<ECMSTrackNo>ECXXX0909128092812</ECMSTrackNo>

<ExpressNo>8023873298372</ExpressNo>

</TrackNo>

<TrackNo>

<ECMSTrackNo>ECXXX0909128092813</ECMSTrackNo>

<ExpressNo>8023873298373</ExpressNo>

</TrackNo>

</TrackNos>

<Response>

## Manifest Interface

### Protocol

* **Request Method:** HTTP(S) POST
* **Character Set:** UTF8
* **Merchant** --> ECMS

### Request Message

* **Request Fields**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **M/O** | **Type** | **Length** | **Value** | **Description** |
| serial | M | String | 32 |  | Unique number identify the specific request, will reject request with identical serial number |
| version | M | String | 10 | default 1.0 | Version |
| request\_time | M | String | 16 |  | YYYYMMDDHHMMSS |
| merchant\_id | M | String | 10 |  | Merchant id , pre-assigned by ECMS |
| warehouse\_id | M | String | 32 |  | if multiple warehouses, to identify which warehouse to use |
| sign | M | String | 32 |  | MD5, refer to 4.3 signature description |
| manifest | M | String |  |  | The value is XML format, **BASE64 encoded**, reference Manifest Body |

* **Manifest Structure**

|  |  |
| --- | --- |
| **Node** | **remark** |
| <Manifest> |  |
| <ShipmentDetail> |  |
| <Shipment> | Repeat for multiple house air waybills in this manifest, the elements under this node are defined in the Element Section |
| <ContentDetail> |  |
| <ContentItem>...</ContentItem> | Repeat for each product in one house air waybill, the elements under this node are defined in the Element Section |
| <ContentItem>...</ContentItem> |  |
| </ContentDetail> |  |
| <Consignee></Consignee> |  |
| <Shipper> </Shipper> |  |
| </Shipment> |  |
| </ShipmentDetail> |  |
| </Manifest> |  |

* **Manifest Elements**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Element** | **M/O** | | **Type** | **Length** | | | **Value** | **Description** |
| **ShipmentDetail**  **Shipment** | | |  |  | | |  |  |
| **ECMSTrackNo** | **M** | | **String** | **32** | | |  | **ECMS waybill number** |
| TrackNo | O | | String | 32 | | |  | **Merchant’s Tracking Number** |
| ExpressNo | O | | String | 64 | | |  | **Express company Tracking number** |
| **OrderNo** | **M** | | **String** | **50** | | |  | **Merchant’s order number** |
| **OrderDate** | **M** | | **String** | **14** | | | **YYYYMMDDHHMMSS** | **Merchant’s order time** |
| Weight | O | | Double | 10,2 | | | Numeric, retained two decimal places | Package gross weight |
| Length | O | | Double | 10,2 | | | Numeric, retained two decimal places | Package length (cm) |
| Width | O | | Double | 10,2 | | | Numeric, retained two decimal places | Package width (cm) |
| Height | O | | Double | 10,2 | | | Numeric, retained two decimal places | Package height (cm) |
| Weight\_unit | O | | String | 8 | | | Default kg | kg/lb |
| Length\_unit | O | | String | 8 | | | Default cm | in/cm |
| **Declared** | **M** | | **Double** | **10,2** | | | **Numeric, retained two decimal places** | **Package declared value** |
| Insurance | O | | Double | 10,2 | | | Numeric, retained two decimal places | Package claimed insurance value |
| Currency | **M** | | String | 3 | | | Must be 3 characters, Default=USD | Currency abbreviation |
| **Danger** | **M** | | **String** | **1** | | | NonDanger：N  Danger：Y  Default: N | **Hazardous** |
| ShipRef1 | O | | String | 100 | | |  | Package referenceno1 |
| ShipRef2 | O | | String | 100 | | |  | Package referenceno2 |
| ShipRef3 | O | | String | 50 | | |  | Package referenceno3 |
| ShipRef4 | O | | String | 50 | | |  | Package referenceno4 |
| ShipRef5 | O | | String | 50 | | |  | Package referenceno5 |
| ShipRef6 | O | | String | 50 | | |  | Package referenceno6 |
| **ContentDetail**  **ContentItem** | | | | | | | | |
| ExpHSCode | | O | String | 16 |  | | | Item’s HS code in export country |
| **ProductCode** | | **M** | **String** | **50** | **Must be A~Z a~z 0~9 - \* $** | | | **Item product code, SKU ID** |
| SubCategory | | O | **String** | 100 |  | | | Subcategory |
| **Category** | | **M** | **String** | **100** |  | | | **Item category** |
| **Title** | | **M** | **String** | **64** |  | | | **Item name** |
| **Description** | | **M** | **String** | **200** |  | | | **Item description** |
| ImpHSCode | | O | String | 32 |  | | | Item’s HS code in import country |
| **Quantity** | | **M** | **Int** |  |  | | | **Item quantity** |
| **UnitPrice** | | **M** | **Double** | **10,2** | **Must be a number, retained two decimal places** | | | **Item unit price** |
| **Country** | | **M** | **String** | **2** | **Must be 2 characters** | | | **Item country abbreviation of the product origin country** |
| UnitWeight | | O | Double | 10,2 | Must be a number, retained two decimal digits | | | Item unit weight |
| ItemTotalPrice | | O | Double | 10,2 | Must be a number, retained two decimal digits | | | Item total price Quantity\*UnitPrice |
| Specification | | O | String | 128 |  | | | Item specification |
| Url | | O | String | 1000 |  | | | product link. |
| ItemRef1 | | O | String | 50 |  | | | Item referenceno1 |
| ItemRef2 | | O | String | 50 |  | | | Item referenceno2 |
| ItemRef3 | | O | String | 50 |  | | | Item referenceno3 |
| ItemRef4 | | O | String | 50 |  | | | Item referenceno4 |
| ItemRef5 | | O | String | 50 |  | | | Item referenceno5 |
| ItemRef6 | | O | String | 50 |  | | | Item referenceno6 |
| **Consignee** | | | |  | |  | |  |
| **FirstName** | | **M** | **String** | **100** | |  | | **Consignee’s first name** |
| LastName | | O | String | 100 | |  | | Consignee’s last name |
| **Country** | | **M** | **String** | **2** | | **Must be 2 characters** | | **Consignee’s country abbreviation** |
| **State** | | **M** | **String** | **50** | |  | | **Consignee’s state or province** |
| **City** | | **M** | **String** | **50** | |  | | **Consignee’s city** |
| **ZipCode** | | **M** | **String** | **10** | | **Must be A~Z a~z 0~9** | | **Consignee’s zip** |
| **Address1** | | **M** | **String** | **200** | |  | | **Consignee’s address1** |
| Address2 | | O | String | 200 | |  | | Consignee’s address2 |
| Address3 | | O | String | 200 | |  | | Consignee’s address3 |
| **CellPhone** | | **M** | **String** | **20** | |  | | **Consignee’s cell phone number** |
| **Email** | | **M** | **String** | **64** | | **Format: xxx@xxx.com** | | **Consignee’s email** |
| RegisteredCellPhone | | O | String | 20 | | 18510322381 | | Customer/registered user’s cell phone number. The RegisteredCellPhone and RegisteredEmail fields, at least one field is needed. |
| RegisteredEmail | | O | String | 64 | | wangxx@gmail.com | | Customer/registered user’s email address. The RegisteredCellPhone and RegisteredEmail fields, at least one field is needed. |
| IDName | | O | String | 50 | | If IdentificationNumber is filled, this must be filled | | Consignee’s identification name |
| IDNumber | | O | String | 20 | |  | | Consignee’s identification number |
| **PayCompany** | | **M** | **String** | **2** | | **01: Alipay**  **02: Tenpay**  **03: AMEX**  **04: DSC**  **05: MC**  **06: VISA**  **07: Paypal**  **08: UnionPay** | | **Payment company** |
| **PayConfNo** | | **M** | **String** | **50** | |  | | **Payment Confirmation Number (provided by the Payment Company)** |
| PayRef1 | | O | String | 50 | |  | | Other Payment Info (Reserved for future use) |
| PayRef2 | | O | String | 50 | |  | | Other Payment Info (Reserved for future use) |
| **Shipper** | | | |  | |  | |  |
| **CompanyName** | | **M** | **String** | **100** | |  | | **Shipper’s company name** |
| FirstName | | O | String | 100 | |  | | Shipper’s first name |
| LastName | | O | String | 100 | |  | | Shipper’s last name |
| **Country** | | **M** | **String** | **2** | | **Must be 2 characters, Default=US** | | **Shipper’s country abbreviation** |
| **State** | | **M** | **String** | **50** | |  | | **Shipper’s state** |
| **City** | | **M** | **String** | **50** | |  | | **Shipper’s city** |
| **ZipCode** | | **M** | **String** | **10** | | **Must be A~Z a~z 0~9** | | **Shipper’s zip** |
| **Address1** | | **M** | **String** | **200** | |  | | **Shipper’s address1** |
| Address2 | | O | String | 200 | |  | | Shipper’s address2 |
| Address3 | | O | String | 200 | |  | | Shipper’s address3 |
| Phone | | O | String | 20 | |  | | Shipper’s phone number |
| **Email** | | **M** | **String** | **64** | | **Format: xxx@xxx.com** | | **Shipper’s email** |

### Response Message

* **Structure**

|  |  |
| --- | --- |
| **Node** | **remark** |
| <Response> |  |
| <OrderResults> |  |
| <OrderResult></OrderResult> | Repeat, the elements under this node are defined in the Element Section |
| <OrderResult></OrderResult> |  |
| </OrderResults> |  |
| </Response> |  |

* **Element**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Element** | **M/O** | **Type** | | **Length** | | **Value** | | **Description** |
| **OrderResults** | | |  | |  | |  | |
| **OrderResult** | | |  | |  | |  | |
| Ack | M | String | | 10 | |  | | Success or Failure |
| ExecuteTime | M | String | | 16 | |  | | UTC |
| Code | M | String | | 10 | |  | | Refer to [error codes](#_Error_Codes) |
| Message | M | String | | 500 | |  | | Refer to [error codes](#_Error_Codes) |
| TrackNo | O | String | | 32 | |  | | The tracking number in the manifest or assigned by ECMS, depends on the number management approach (batch or per-request) |
| OrderNo | M | String | | 50 | |  | | The order number in the manifest request |

### Message Example

* **Request:** manifest XML

<?xml version="1.0" encoding="utf-8"?>

<Manifest>

<ShipmentDetail>

<Shipment>

<ContentDetail>

<ContentItem>

<ExpHSCode>00090000</ExpHSCode>

<ProductCode>BOA0NIKE34</ProductCode>

<Category>NIKE</Category>

<Title>鞋子</Title>

<Description>NIKE 43码白色训练鞋</Description>

<ImpHSCode> </ImpHSCode>

<Quantity>1</Quantity>

<UnitPrice>2.0</UnitPrice>

<Country>中国</Country>

<UnitWeight>1.0</UnitWeight>

<ItemTotalPrice>2.0</ItemTotalPrice>

<ItemRef1>itemRef1</ItemRef1>

<ItemRef2>itemRef2</ItemRef2>

<ItemRef3>itemRef3</ItemRef3>

<ItemRef4>itemRef4</ItemRef4>

<ItemRef5>itemRef5</ItemRef5>

<ItemRef6>itemRef6</ItemRef6>

</ContentItem>

<ContentItem>

<ExpHSCode>00090000</ExpHSCode>

<ProductCode>BOA0BATA34</ProductCode>

<Category>BATA</Category>

<Title>鞋子</Title>

<Description>BATA 43码灰色休闲鞋</Description>

<ImpHSCode> </ImpHSCode>

<Quantity>1</Quantity>

<UnitPrice>2.0</UnitPrice>

<Country>中国</Country>

<UnitWeight>1.0</UnitWeight>

<ItemTotalPrice>2.0</ItemTotalPrice>

<ItemRef1>itemRef1</ItemRef1>

<ItemRef2>itemRef2</ItemRef2>

<ItemRef3>itemRef3</ItemRef3>

<ItemRef4>itemRef4</ItemRef4>

<ItemRef5>itemRef5</ItemRef5>

<ItemRef6>itemRef6</ItemRef6>

</ContentItem>

</ContentDetail>

<Consignee>

<FirstName>zhou</FirstName>

<LastName>sven</LastName>

<Country>中国</Country>

<State>北京</State>

<City>北京</City>

<ZipCode>100100</ZipCode>

<Address1>南法信中轴路11号</Address1>

<Address2>ACLP 大厦南楼</Address2>

<Address3></Address3>

<CellPhone>18510322380</CellPhone>

<Email>zhouxx@ecmsglobal.com</Email>

<RegisteredCellPhone>18510322381<RegisteredCellPhone>

<RegisteredEmail>wangxx@ecmsglobal.com</RegisteredEmail>

<IDType>0</IDType>

<IDName>zhou xing</IDName>

<IDNumber>429005199104032250</IDNumber>

<PayCompany> </PayCompany>

<PayConfNo> </PayConfNo>

<PayRef1>payRef</PayRef1>

<PayRef2>payRef2</PayRef2>

</Consignee>

<Shipper>

<CompanyName>天津易客满国际物流有限公司</CompanyName>

<FirstName></FirstName>

<LastName></LastName>

<Country>中国</Country>

<State>北京</State>

<City>北京</City>

<ZipCode>100100</ZipCode>

<Address1>南法信中轴路11号</Address1>

<Address2>ACLP 大厦南楼</Address2>

<Address3></Address3>

<Phone>01088888888</Phone>

<Email>zhouxx@ecmsglobal.com</Email>

<IDType>0</IDType>

<PayRef1>payRef</PayRef1>

<PayRef2>payRef2</PayRef2>

</Shipper>

<TrackNo>ME\_TRACK2015072022432000000001</TrackNo>

<ECMSTrackNo>ECMS\_TRACK2015072022432000000000</ECMSTrackNo>

<OrderNo>MEO1437403400322000000000000000</OrderNo>

<Weight>1.4</Weight>

<Length>30.0</Length>

<Width>40.0</Width>

<Height>30.0</Height>

<Declared>2.6</Declared>

<Insurance>35.0</Insurance>

<Currency>USD</Currency>

<Danger>N</Danger>

<ShipRef1>shipRef1</ShipRef1>

<ShipRef2>shipRef2</ShipRef2>

<ShipRef3>shipRef2</ShipRef3>

<ShipRef4>shipRef2</ShipRef4>

<ShipRef5>shipRef2</ShipRef5>

<ShipRef6>shipRef2</ShipRef6>

</Shipment>

<Shipment>

<ContentDetail>

<ContentItem>

<ExpHSCode>00090000</ExpHSCode>

<ProductCode>BOA0NIKE34</ProductCode>

<Category>NIKE</Category>

<Title>鞋子</Title>

<Description>NIKE 43码白色训练鞋</Description>

<ImpHSCode> </ImpHSCode>

<Quantity>1</Quantity>

<UnitPrice>2.0</UnitPrice>

<Country>中国</Country>

<UnitWeight>1.0</UnitWeight>

<ItemTotalPrice>2.0</ItemTotalPrice>

<ItemRef1>itemRef1</ItemRef1>

<ItemRef2>itemRef2</ItemRef2>

<ItemRef3>itemRef3</ItemRef3>

<ItemRef4>itemRef4</ItemRef4>

<ItemRef5>itemRef5</ItemRef5>

<ItemRef6>itemRef6</ItemRef6>

</ContentItem>

<ContentItem>

<ExpHSCode>00090000</ExpHSCode>

<ProductCode>BOA0BATA34</ProductCode>

<Category>BATA</Category>

<Title>鞋子</Title>

<Description>BATA 43码棕色皮鞋</Description>

<ImpHSCode> </ImpHSCode>

<Quantity>1</Quantity>

<UnitPrice>2.0</UnitPrice>

<Country>中国</Country>

<UnitWeight>1.0</UnitWeight>

<ItemTotalPrice>2.0</ItemTotalPrice>

<ItemRef1>itemRef1</ItemRef1>

<ItemRef2>itemRef2</ItemRef2>

<ItemRef3>itemRef3</ItemRef3>

<ItemRef4>itemRef4</ItemRef4>

<ItemRef5>itemRef5</ItemRef5>

<ItemRef6>itemRef6</ItemRef6>

</ContentItem>

</ContentDetail>

<Consignee>

<FirstName>zhou</FirstName>

<LastName>sven</LastName>

<Country>中国</Country>

<State>北京</State>

<City>北京</City>

<ZipCode>100100</ZipCode>

<Address1>南法信中轴路11号</Address1>

<Address2>ACLP 大厦南楼</Address2>

<Address3></Address3>

<CellPhone>18510322380</CellPhone>

<Email>zhouxx@ecmsglobal.com</Email>

<RegisteredCellPhone>18510322381<RegisteredCellPhone>

<RegisteredEmail>wangxx@ecmsglobal.com</RegisteredEmail>

<IDType>0</IDType>

<IDName>zhou xing</IDName>

<IDNumber>429005199104032250</IDNumber>

<PayCompany/>

<PayConfNo/>

<PayRef1>payRef</PayRef1>

<PayRef2>payRef2</PayRef2>

</Consignee>

<Shipper>

<CompanyName>天津易客满国际物流有限公司</CompanyName>

<FirstName></FirstName>

<LastName></LastName>

<Country>中国</Country>

<State>北京</State>

<City>北京</City>

<ZipCode>100100</ZipCode>

<Address1>南法信中轴路11号</Address1>

<Address2></Address2>

<Address3></Address3>

<Phone>01088888888</Phone>

<Email>AA01@ecmsglobal.com</Email>

<IDType>0</IDType>

<PayRef1>payRef</PayRef1>

<PayRef2>payRef2</PayRef2>

</Shipper>

<TrackNo>ECMS\_TRACK2015072022432000000001</TrackNo>

<OrderNo>ECMS1437403400330000000000000000</OrderNo>

<Weight>2.4</Weight>

<Length>31.0</Length>

<Width>41.0</Width>

<Height>31.0</Height>

<Declared>3.6</Declared>

<Insurance>36.0</Insurance>

<Currency>USD</Currency>

<Danger>N</Danger>

<ShipRef1>shipRef1</ShipRef1>

<ShipRef2>shipRef2</ShipRef2>

<ShipRef3>shipRef2</ShipRef3>

<ShipRef4>shipRef2</ShipRef4>

<ShipRef5>shipRef2</ShipRef5>

<ShipRef6>shipRef2</ShipRef6>

</Shipment>

</ShipmentDetail>

</Manifest>

* **Response**

<Response>

<OrderResults>

<OrderResult>

<Ack>Failure</Ack>

<ExecuteTime>20150719231010</ExecuteTime>

<Code>107</Code>

<Message>ZipCode: Mandatory / String maxLength=10</Message>

<TrackNo/>

<OrderNo>EC1437403400330000000000000000</OrderNo>

</OrderResult>

<OrderResult>

<Ack>Success</Ack>

<ExecuteTime>20150719231010</ExecuteTime>

<Code>100</Code>

<Message></Message>

<TrackNo>ECMS\_TRACK2015072022432000000000</TrackNo>

<OrderNo>EC1437403400322000000000000000</OrderNo>

</OrderResult>

</OrderResults>

</Response>

## Package Additional Info Interface

### Protocol

* **Request Method:** HTTP(S) POST
* **Character Set:** UTF8
* **Merchant** --> ECMS

### Request Message

* **Request Fields**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **M/O** | **Type** | **Length** | **Value** | **Description** |
| serial | M | String | 32 |  | Unique number identify the specific request, will reject request with identical serial number |
| version | M | String | 10 | default 1.0 | Version |
| request\_time | M | String | 16 |  | YYYYMMDDHHMMSS |
| merchant\_id | M | String | 10 |  | Merchant id , pre-assigned by ECMS |
| ECMSTrackNo | M | String | 32 |  | Assigned by ECMS |
| OrderNo | M | String | 64 |  | Merchant Order No. |
| ExpressNo | O | String | 64 |  | Assigned by Express company |
| Weight | M | Double | 10,2 | Numeric, retained two decimal places | Package gross weight |
| Length | M | Double | 10,2 | Numeric, retained two decimal places | Package length |
| Width | M | Double | 10,2 | Numeric, retained two decimal places | Package width |
| Height | M | Double | 10,2 | Numeric, retained two decimal places | Package height |
| Weight\_unit | O | String | 8 | Default kg | kg/lb |
| Length\_unit | O | String | 8 | Default cm | in/cm |
| sign | M | String | 32 |  | MD5, refer to 4.3 signature description |

### Response Message

* **Structure**

|  |  |
| --- | --- |
| **Node** | **remark** |
| <Response> |  |
| …… |  |
| </Response> |  |

* **Element**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Element** | **M/O** | **Type** | **Length** | **Value** | **Description** |
| Ack | M | String | 10 |  | Success or Failure |
| ExecuteTime | M | String | 16 |  | UTC |
| Code | M | String | 10 |  | Refer to [error codes](#_Error_Codes) |
| Message | M | String | 500 |  | Refer to [error codes](#_Error_Codes) |

### Message Example

* **Request:** *http://url? ECMSTrackNo=ECXXX0909128092812&ExpressNo=8023873298372&OrderNo=Exo920802398798234hkjsr&merchant\_id=001&request\_time=20151026135021&serial=SEL0000000001&version=1.0&sign=9f8939e3da2663cd73cfb1d31eeafb81*
* **Response：**

<Response>

<Ack>Success</Ack>

<ExecuteTime>20151026135000</ExecuteTime>

<Code></Code>

<Message></Message>

<Response>

## Message Signature

* Step 1. Sorting all the fields by the ASCII sequence of the fields’ name except the “sign” field.
* Step2. Use “&” link between all the sorted fields like “field1=value&field2=value2” to form a string
* Step3. Use the MD5 to sign the whole string to get the signature with the unique key assigned to the client by ECMS, then put the signature as the value of the “sign” field.
* Step4. Create and execute the HTTP(S) POST request.
* Example Order request,
  + Sorting the field in the request except the “sign“ field:

**Before:** serial,version,request\_time,merchant\_id,warehouse\_id,manifest

**After:** manifest,merchant\_id,request\_time,serial,version,warehouse\_id

* + Compose the to be signed request string: manifest=SHIUCNJK542NIK23cvNJHSDB&merchant\_id=ecmsmer0001&request\_time=20150405123302&serial=ORDER\_20150301221020001&version=1.0&warehouse\_id=LAX
  + Use MD5(data+key) Signature Result: sign=efea9cb7e90e3551397b179e45d63eeb *(this example is using the test key:ecms\_mer\_test\_key\_001)*

## Error Codes

The following return code defines the return codes value and related message information in the response file, including Manifest Interface and Event Tracking Interface

|  |  |
| --- | --- |
| **Code** | **Message** |
| 100 | Successful! |
| 101 | Duplicated manifestId number request |
| 102 | TBD |
| 103 | TBD |
| 104 | TBD |
| 105 | TBD |
| 106 | Tracking number has been used previously. |
| 107 | Field and elements validation message, i.e.  (xxxx SenderAddress) Syntax error. Please refer to API guide and try again.  (xxxx ReceiveAddress) Syntax error. Please refer to API guide and try again.  Title: String maxLength=50  FirstName: Mandatory / String maxLength=100  LastName: String maxLength=100  CompanyName: String maxLength=100  Country: Mandatory / String Length=2  State: Mandatory / String maxLength=50  City: Mandatory / String maxLength=50  ZipCode: Mandatory / String maxLength=10  Address1: Mandatory / String maxLength=200  Address2: String maxLength=200  Address3: String maxLength=200  Phone: String maxLength=20  Extension: String maxLength=10  Fax: String maxLength=20  CellPhone: Mandatory / String maxLength=20  Email: Mandatory / String maxLength=64, Format: [xxx@xxx.com](mailto:xxx@xxx.com).  IdentificationName: String maxLength=50  IdentificationNumber: String maxLength=20  PayBy: Mandatory / String maxLength=2  PayConfNo: Mandatory / String maxLength=50  PayRef2: String maxLength=50  PayRef3: String maxLength=50 |
| 108 | Package data error.  CreateShipment volume is exceed the limit allow.  TrackNo syntax error  OrderNo syntax error  Service error, please contact customer service.  Declared value must be greater than 0  Account: Option / String MaxLength=50.  CouponCode: Option / String MaxLength=50.  ShipRef1 value error (cannot greater than 100)  ShipRef2 value error (cannot greater than 100)  ShipRef3: Option / String MaxLength=50.  ShipRef4: Option / String MaxLength=50.  ShipRef5: Option / String MaxLength=50.  ShipRef6: Option / String MaxLength=50. |
| 109 | ContentItemdata error  ContentItemcannot be blank  ContentItemDescription cannot be blank. The max char cannot over 200 chars.  ContentItemQty must be greater than 0  ContentItemCountry must be 2 characters  ContentItem{0} CustomsCode: Option / String Length=8.  ContentItem{0} ProductCode: Option / String MaxLength=50.  ContentItem{0} Category: Option / String MaxLength=20.  ItemRef1: Option / String MaxLength=50.  ItemRef2: Option / String MaxLength=50.  ItemRef3: Option / String MaxLength=50.  ItemRef4: Option / String MaxLength=50.  ItemRef5: Option / String MaxLength=50.  ItemRef6: Option / String MaxLength=50. |