# 纯配客户 TMS 对接文档

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# Contents

# 1. Encryption rules 加密规则

Message content (json)+timestamp+ key (provided by JDL TMS), which will be encrypted by MD5 and transferred to Base64 string and finally URL encoded. 报文内容(json) +时间戳+密钥(京东提供)，然后进行 MD5 加密，再转换为 Base64 字符串，最后进行 URL 编码

**Demo**

| Step | content | 内容 |
|---|---|---|
| 1 | Assumed the message content is {"customerCode":" your customer code "}，time stamp is 2020-01-01 00:00:00，and the secret key is 123456 | 假设报文内容为：{"customerCode":" your customer code "}，时间戳是 2020-01-01 00:00:00，密钥为 123456 |
| 2 | URL encode the message content with charset UTF-8, the result is %7B%22customerCode%22%3A%22%20your%20customer%20code%20%22%7D | 对报文进行 URL 编码，字符集是 UTF-8，结果为 %7B%22customerCode%22%3A%22%20your%20customer%20code%20%22%7D |
| 3 | Contact the message content, time stamp and the secret key, the result is {"customerCode":" your customer code "}2020-01-01 00:00:00123456 | 将报文内容、时间戳与密钥拼接为一个字符串，结果为 {"customerCode":" your customer code "}2020-01-01 00:00:00123456 |
| 4 | Encrypt the result of 3rd step by MD5 Algorithm, the result is 302244deb7b2ec32c0f97925102b406d | 对步骤 3 的字符串进行 MD5 加密，结果为 302244deb7b2ec32c0f97925102b406d |
| 5 | Encrypt the result of 4th step to Base64 characters, the result is MzAyMjQ0ZGViN2IyZWMzMmMwZjk3OTI1MTAyYjQwNmQ= | 对步骤 4 得到的字符串进行 Base64 加密，结果为 MzAyMjQ0ZGViN2IyZWMzMmMwZjk3OTI1MTAyYjQwNmQ= |

| 6 | URL encode the result of 5<sup>th</sup> step, the result is MzAyMjQ0ZGViN2IyZWMzMmMwZjk3OTI1MTAyYjQwNmQ%3D | 对步骤 5 得到的字符串做 URL 编码，结果为 MzAyMjQ0ZGViN2IyZWMzMmMwZjk3OTI1MTAyYjQwNmQ%3D |
|---|---|---|
| 7 | The final data to be sent is logistics_info=%7B%22logisticsProviderCode%22%3A%22JD%22%7D encrypt_data= Y2VhMGM2NzA3NWQ0NjAxYzNlZDRjNWQ5YmUwWjcxZjY%3D timestamp=2020-01-01 00:00:00 | 那么，最终得到的三个参数分别为 logistics_info=%7B%22customerCode%22%3A%22%20your%20customer%20code%20%22%7D encrypt_data= MzAyMjQ0ZGViN2IyZWMzMmMwZjk3OTI1MTAyYjQwNmQ%3D timestamp=2020-01-01 00:00:00 |

# 1.   Interface instruction and data structure

（接口指令与数据结构）

## 1.1.   Online order（下单接口）

### 1.1.1. Interface instruction

| Interface name | 下单接口 |
|---|---|
| Function description | 客户对 JDL TMS 下单 |
| Interface supplied by | JDL TMS |
| Data transfer | Https |
| Interaction method | Post |
| Encryption format | application/x-www-form-urlencoded; charset=UTF-8 |
| Data format | Json |
| Interface address | 由 JDL TMS 提供给客户 |

### 1.1.2. Input parameter instruction

| Field name | Field description | Required or not |
|---|---|---|
| logistics_info | **URL encoded for online order message** 在线下单的消息体，**对报文要进行 URL 编码** | Yes |

| encrypt_data | Signed string generated based on specific encryption rules 根据一定的加密规则，得到的签名字符串 | Yes |
|---|---|---|
| timestamp | Timestamp, format: yyyy-MM-dd HH:mm:ss, e.g. 2017-07-15 17:56:42 时间戳，格式 yyyy-MM-dd HH:mm:ss 如果时间戳与当前北京时间相差 15 分钟以上，则视为恶意访问；因此，应注意时间戳的准确性。 | Yes |

## 1. logistics_info message body instruction

| Field name | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| customerCode | Customer code, supplied by JD （JD 提供客户唯一编号） | Yes | String | 20 |
| waybillCode | 运单号(在线下单时未必有运单号，如果为空物流公司生成运单号返回，否则原号返回) | No | String | 64 |
| orderId | Customer order number 订单号 | Yes | String | 64 |
| packageInfos | Package info (For details, please refer to PackageInfo instruction) 包裹信息(详情参见 PackageInfo 说明) | No | Array | |
| sender | SenderInfo(For details, please refer to Sender Instruction) 发件人信息(详情参见 Sender 说明) | Yes | Sender | |
| receiver | ReceiverInfo (For details, please refer to Receiver Instruction) 收件人信息(详情参见 Receiver 说明) | Yes | Receiver | |
| orderDetail | OrderDetail， Product name (For details, please refer to OrderDetail Instruction) 订单服务详情(详情参见 OrderDetail 说明) | Yes | OrderDetail | |
| extendFields | ExtendedField (For details, please refer to ExtendField) 扩展字段(详情参见 ExtendField 说明) | No | Array | |
| remark | Remark 备注 | No | String | 256 |
| createSiteName | Sorting center name 下单分拣中心名称 | No | String | 100 |
| country | To distinguish the business of different countries （e.g. "th"）国别二字码 | Yes | String | 10 |
| sellerName | 商家名称 | No | String | 100 |
| sellerCode | 商家编码 | No | String | 10 |

| | | | | |
|---|---|---|---|---|
| returnAddress | Target address for returned waybill (For details, please refer to ReturnAddress) 退回地址(详情参见 ReturnAddress 说明) | No | ReturnAddress | |
| LabelSpecification | specs for label. however, if the label spec is fixed and acceptable for us, this attribute can be just ignored 面单格式（详情参见 LabelSpecification 说明） | No | LabelSpecification | |
| packageCount | The amount of packages 包裹总数 | No | Integer | |
| currencyCode | The code of currency. e.g. USD 币种 | No | String | 3 |
| dimensionsUnits | The unit of measurement of width、length and height. the default is IN 长度单位（默认英尺） | Yes | String | 10 |
| weightUnits | The unit of measurement of weight. The default is LB 重量单位（默认磅） | Yes | String | 10 |

| PackageInfo field name | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| packageId | Package number 包裹号，京东内部操作使用 | Yes | string | 60 |
| weight | Package weight, unit: LB 包裹重量 LB | Yes | Number | |
| volume | Package volume, unit: Cubic IN 包裹体积 | No | Number | |
| length | Package length, unit: IN 包裹长度 | Yes | Number | |
| width | Package width, unit: IN 包裹宽度 | Yes | Number | |
| height | Package height, Unit: IN 包裹高度 | Yes | Number | |
| goods | Goods list in Package items (For details, please refer to Goods in Package) 商品列表（详情参见 Goods in Package 说明） | No (Required for International shipment) | List | |
| Goods in Package field name | Field description | Required or not | Type | Length |
| goodsCode | 商品编码 | Yes | String | 35 |
| goodsName | 商品名称 | Yes | String | 50 |
| goodsNameEn | 商品英文报关名称 | No | String | 50 |
| goodsCount | 商品数量，表示该包裹中该商品的数量 | Yes | Integer | |
| goodsBrand | 商品品牌 | No | String | 50 |
| goodsBarcode | 商品条码 | No | String | 50 |
| hsCode | HS 编码 | No | String | 50 |
| sourceCountry | 原产国国别二字码 | No | String | 3 |
| worth | 商品申报单价（单个商品的申报价值，不含数量） | No | Number | |
| currency | 商品申报币种，标准币制编码，如美元传 USD | Yes | String | 3 |

| | | | | |
|---|---|---|---|---|
| chargedStatus | 是否带电：0-否；1是。若不传则默认 0 | No | Integer | |
| magneticStatus | 是否有磁性：0-否；1是。若不传则默认 0 | No | Integer | |
| liquidStatus | 是否液体标识：0-否；1-是。若不传则默认 0 | No | Integer | |
| cosmeticStatus | 是否品化妆品标识：0 否；1-是。若不传则默认 0 | No | Integer | |
| dangerousStatus | 是否危险品：0-否；1是。若不传则默认 0 | No | Integer | |
| powderStatus | 是否粉末：0-否；1是。若不传则默认 0 | No | Integer | |
| url | 商品销售链接 URL | No | String | 150 |
| goodsWeight | 商品重量 | No | Number | |
| goodsWeightUnits | 商品重量单位，默认：磅 | No | String | |

| Sender field name 发件人 | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| name | 发件人姓名 | Yes | String | 64 |
| companyName | 发件人公司名称 | No | String | 64 |
| mobile | 发件人手机号（与发件人电话号其中之一必传） | Yes | String | 32 |
| tel | 发件人电话号 | No | String | 32 |
| country | 发件人国别二字码 | Yes | String | 2 |
| province | 省 | Yes | String | 32 |
| city | 市 | Yes | String | 32 |
| county | 区县 | No | String | 32 |
| town | 街道 | No | String | 32 |
| address | 详细地址 | Yes | String | 50 |
| address2 | 详细地址 2 | No | String | 50 |
| address3 | 详细地址 3 | No | String | 50 |
| houseNumber | 寄件人门牌号 | No | String | 25 |
| zipCode | 邮政编码 | Yes | String | 32 |
| | | | | |

| Receiver field name 收件人信息 | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| name | 收件人姓名 | Yes | String | 64 |
| companyName | 收件人公司名称 | No | String | 64 |
| mobile | 收件人手机号（与收件人电话号其中之一必传） | Yes | String | 32 |
| tel | 收件人电话号 | No | String | 32 |
| Country | 收件人国别二字码 | Yes | String | 2 |

| province | 省 | Yes | String | 32 |
|---|---|---|---|---|
| city | 市 | Yes | String | 32 |
| county | 区县 | No | String | 32 |
| town | 街道 | No | String | 32 |
| address | 详细地址 | Yes | String | 50 |
| address2 | 详细地址 2 | No | String | 50 |
| address3 | 详细地址 3 | No | String | 50 |
| houseNumber | 收货人门牌号 | No | String | 25 |
| zipCode | 邮政编码 | Yes | String | 32 |
| email | 邮箱 | No | String | 64 |
| identityName | 收货人身份证姓名 | No | String | 50 |
| taxNo | 收货人纳税号 | No | String | 50 |
| identityNo | 收货人身份证号 | No | String | 50 |
| identityIsssueDate | 收货人身份证签发日期,格式 yyyy-MM-dd HH:mm:ss | No | String | 50 |
| selfPickUpCode | 自提点编码 | No | String | 25 |
| selfPickUpName | 自提点名称 | No | String | 25 |

| OrderDetail relevant field name 订单详情 | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| orderCreateTime | 订单创建时间，格式为 yyyy-MM-dd HH:mm:ss，例如 2017-07-20 16:46:48 | No | String | 32 |
| orderType | 订单业务类型（1，正常配送订单、2，上门取件订单、3，商家送货到站点) | Yes | Integer | 4 |
| gotStartTime | 上门揽件开始时间，格式为 yyyy-MM-dd HH:mm:ss，例如 2017-07-20 16:46:48 默认为订单创建时间 | No | String | 32 |
| gotEndTime | 上门揽件结束时间，格式为 yyyy-MM-dd HH:mm:ss，例如 2017-07-20 16:46:48 默认为上门揽收开始时间后一天 | No | String | 32 |
| goodsValue | 商品总金额，单位：元 (如果金额获取失败则默认是 0，则非真实订单金额) | No | Double | |
| insuranceValue | 保价金额，单位：元 | No | Double | |
| currency | 货币 | No | String | |
| homeDeliveryService | 是否宅配，0 否，1 是，不传默认为 0 | No | Boolean | |

| | | | | |
|---|---|---|---|---|
| signatureService | 是否需要收货人签名，0否，1是，不传默认为0 | No | Boolean | |
| orderPerformance | 订单的交付天数 | No | Integer | |
| isDiscard | 无法妥投是否销毁<br><br>0-否；1-是.不传默<br><br>认为0 | No | Integer | |
| distributionMode | 配送方式：1-配送；2-自提。不传默认为1 | | | |
| serviceCode | Integrated product code from JDL，TMS 下发的京东产品编码 | Yes | String | |

| ExtendField relevant field name | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| key | 扩展字段名称 | Yes | String | 64 |
| value | 扩展字段值 | Yes | String | 256 |

**Format of Extend Field 扩展字段格式说明**

| Key | Description |
|---|---|
| vendorId | vendor Id , example: {"key":"vendorId","value":"106" } |

| ReturnAddress field name 退货信息 | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| name | 退货人姓名 | Yes | String | 64 |
| mobile | 退货人手机(与退货人电话其中之一必填) | Yes | String | 32 |
| province | 省 | Yes | String | 32 |
| city | 市 | Yes | String | 32 |
| county | 区县 | No | String | 32 |
| town | 街道 | No | String | 32 |
| address | 详细地址 | Yes | String | 256 |
| zipCode | 邮政编码 | Yes | String | 32 |
| email | 邮箱 | No | String | 64 |
| country | 国别二字码 | Yes | String | 2 |

| LabelSpecification field name | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| imageType | 面单格式，如 PDF、PNG | No | String | 25 |

| imageSize | 面单尺寸，如 4×6 | No | String | 25 |
| --- | --- | --- | --- | --- |

**Message sample**

**json**：

```
{
        "customerCode": "your customer code",
        "waybillCode": null,
        "orderId": "V000042135549",
        "packageInfos": [
                {
                        "packageId": "V000042135549-1-3",
                        "weight": 6.67,
                        "volume": 1.0,
                        "length": 1.0,
                        "width": 1.0,
                        "height": 1.0
                },
                {
                        "packageId": "V000042135549-2-3-",
                        "weight": 6.67,
                        "volume": 1.0,
                        "length": 1.0,
                        "width": 1.0,
                        "height": 1.0
                },
                {
                        "packageId": "V000042135549-3-3-",
                        "weight": 6.67,
                        "volume": 1.0,
                        "length": 1.0,
                        "width": 1.0,
                        "height": 1.0
                "goods": [
                        {
                                "goodsCode": "SKU_7771661",
                                "goodsName": "靴子",
```

                                    "goodsNameEn": "grey boot",

                                    "goodsBrand": "",

                                    "goodsBarcode": "",

                                    "hsCode": "",

                                    "sourceCountry": "CN",

                                    "unitCode": "",

                                    "goodsCount": 1,

                                    "worth": 10.0,

                                    "currency": "USD",

                                    "chargedStatus": 0,

                                    "magneticStatus": null,

                                    "liquidStatus": 0,

                                    "cosmeticStatus": 0,

                                    "dangerousStatus": 0,

                                    "powderStatus": 0,

                                    "url": "",

                                    "goodsType": 1,

                                    "goodsWeight": 0.0,

                                    "goodsWeightUnits": ""

                            }

                    ]

                    }

            ],

            "sender": {

                    "name": "Pelamor",

                    "companyName":"MyTest Corp",

                    "mobile": "01756321199",

                    "province": "Selangor",

                    "city": "PETALING JAYA",

                    "county": null,

                    "town": null,

                    "address": "Kompleks Penchala, Ground Floor, No 50",

                    "zipCode": "46052",

                    "country": "MY",

                    "tel": "",

            "address2": "",

"address3": "",
"houseNumber": ""
},
"receiver": {
        "name": "SOMA PULIN",
        "companyName": null,
        "mobile": "60012345427",
        "province": "Johor",
        "city": "Kahang",
        "county": null,
        "town": null,
        "address": "KOLEJ KEDIAMAN D (MAIDAM), KAMPUS PERUBATAN UNISZA",
        "zipCode": "86733",
        "email": null,
        "country": "MY",
"tel": "",
"address2": "",
"address3": "",
"houseNumber": "",
"identityName": null,
"taxNo": null,
"identityNo": null,
"identityIssueDate": null,
"selfPickUpCode": null,
"selfPickUpName": null
},
"orderDetail": {
        "orderCreateTime": "2020-05-29 16:51:47",
        "orderType": 1,
        "gotStartTime": "2020-05-29 16:51:47",
        "gotEndTime": "2020-05-30 16:51:47",
        "goodsValue": 100.0,
        "totalFee": 100.0,
        "insuranceValue": 0.0,
        "totalServiceFee": 0.0,
        "codSplitFee": 0.0,

```
                "scheduleType": 1,

                "currency": "MYR",

                "homeDeliveryService": false,

                "signatureService": false,

                "serviceType": 1,

        "orderPerformance": null,

    "isDiscard": null,

    "distributionMode": 1,

                "serviceCode": "EP"

    },

    "extendFields": [

            {

                    "key": "vendorId ",

                    "value": "233"

            },

            {

                    "key": "needToSign",

                    "value": "N"

            }

    ],

    "remark": "your remark",

    "createSiteName": "popseller",

    "country": "MY",

    "returnAddress": {

            "name": "Pelamor",

            "mobile": "01756321199",

            "province": "Selangor",

            "city": "PETALING JAYA",

            "county": null,

            "town": null,

            "address": "Kompleks Penchala, Ground Floor, No 50",

            "zipCode": "46052",

            "country": "MY"

    },

    "labelSpecification": {

            "imageType": "PDF",
```

```
        "labelSize": "STOCK_4X6"
    },
    "packageCount": 3,
    "currencyCode": "MYR",
    "dimensionsUnits": "IN",
    "weightUnits": "LB"
}
```

### 1.1.3. **Output parameter instruction**

| Field name | Field description | Type | Length |
|---|---|---|---|
| customerCode | Customer code, supplied by JD （JD 提供客户唯一编号） | String | 20 |
| waybillCode | 物流公司运单号 | String | 64 |
| orderId | 客户订单号 | String | 64 |
| isSuccess | 在线下单是否成功 true 或 false | Boolean | |
| reason | 如果失败，备注原因，如果成功，可为"" | String | 64 |
| labels | 面单信息（详情参见 Labels 说明） | Array | |
| totalAmount | 面单价格 | Number | |

| Label Field name | Field description | Type | Length |
|---|---|---|---|
| labelType | 面单类型（默认返回 OUTBOUND_LABEL） | String | 20 |
| packageID | 原客户包裹号，如 V000042135549-2-3- | String | 64 |
| trackingNumber | 该包裹对应的三方物流跟踪号 | | |
| imageType | 面单图片类型，PDF 或 PNG。如果返回的面单为外部链接，本字段填为 URL. | String | 64 |
| images | 一个图片的数组，数组的元素为图片流的 Base64 编码字符串（字符集为 UTF-8）或外部链接，如果面单只包含一张图片，那么该数组中只有一个元素。生成图像字符串的方法：1. 将图像的字节数组转换为 base64 字节数组 2. 通过使用 UTF-8 字符集解码 base64 字节数组构造一个字符串 | array | |

**Message sample**

**json**：

```
{
    "reason": "",
```

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"orderId": "V000042135549",

"isSuccess": true,

"customerCode": "your customer code",

"waybillCode": "YOURWAYBILLCODE123",

"totalAmount ": 20,

"labels": [

    {

        "images": [

"JVBERi0xLjcKJeLjz9MKNiAwIG9iago8PCAvVHlwZSAvUGFnZSAvUGFyZW50I......"

        ],

        "packageID": "V000042135549-1-3"

        "trackingNumber": "YOURWAYBILLCODE12301",

        "labelType": "OUTBOUND_LABEL",

        "imageType": "PDF"

    },

    {

        "images": [

"JVBERi0xLjcKJeLjz9MKNiAwIG9iago8PCAvVHlwZSAvUGFnZSAvUGFyZW50I......"

        ],

        "packageID": "V000042135549-2-3"

        "trackingNumber": "YOURWAYBILLCODE12302",

        "labelType": "OUTBOUND_LABEL",

        "imageType": "PDF"

    },

    {

        "images": [

"JVBERi0xLjcKJeLjz9MKNiAwIG9iago8PCAvVHlwZSAvUGFnZSAvUGFyZW50I......"

        ],

        "packageID": "V000042135549-3-3"

        "trackingNumber": "YOURWAYBILLCODE12303",

        "labelType": "OUTBOUND_LABEL",

        "imageType": "PDF"

    }

]

# 1.2. refund label 退款

### 1.1.1. Interface instruction

| Interface name | 退款接口 |
|---|---|
| Function description | 客户提出退款需求，JDL TMS 进行退款拦截 |
| Interface supplied by | JDL TMS |
| Data transfer | Https |
| Interaction method | Post |
| Encryption format | application/x-www-form-urlencoded; charset=UTF-8 |
| Data format | Json |
| Interface address | 由 JDL TMS 提供给客户 |

### 1.1.2. Input parameter instruction

| Field name | Field description | Required or not |
|---|---|---|
| logistics_info | 运费信息的消息体，**对报文要进行 URL 编码** | Yes |
| encrypt_data | 根据一定的加密规则，得到的签名字符串 | Yes |
| timestamp | 时间戳，格式 yyyy-MM-dd HH:mm:ss | Yes |

**logistics_info message body instruction**

| Field name | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| customerCode | Customer code, supplied by JD 客户编码 | Yes | String | 20 |
| trackingNumbers | Tracking numbers 追踪号 | Yes | List | |

**Message sample**
**json**:
{
  "customerCode": "Your customer code",
  "trackingNumbers": [
    "9405511202565712314674",
    "9405511202565712711053",
    "9405511202565712421522",
    "9405511202565712653094"
  ]

}

### 1.1.3. **Output parameter instruction**

| Field name | Field description | Type | Length |
|---|---|---|---|
| list | Refund list with refund status and error message 一个或多个轨迹的列表 | List | |

| RefundList Field name | Field description | Type | Length |
|---|---|---|---|
| succeed | 成功或者失败 | Boolean | |
| trackingNumber | 尾程跟踪号 | String | |
| error | 如果失败的报错信息 | String | |

**Message sample**

**json**:
```
{
  "list": [
    {
      "succeed": true,
      "trackingNumber": "9405511202565712314674"
    },
    {
      "succeed": false,
      "trackingNumber": "9405511202565712711053",
      "error": "tracking number not found for this customer."
    },
    {
      "succeed": false,
      "trackingNumber": "9405511202565712421522",
      "error": "tracking number not found for this customer."
    },
    {
      "succeed": false,
      "trackingNumber": "9405511202565712653094",
      "error": "tracking number not found or already refunded."
    }
  ]
}
```

# 1.3. fetch label 抓取面单

### 1.1.1. Interface instruction

| Interface name | 抓取面单接口 |
|---|---|
| Function description | 客户获取真实运单 |
| Interface supplied by | JDL TMS |
| Data transfer | Https |
| Interaction method | Post |
| Encryption format | application/x-www-form-urlencoded; charset=UTF-8 |
| Data format | Json |
| Interface address | 由 JDL TMS 提供给客户 |

### 1.1.2. Input parameter instruction

| Field name | Field description | Required or not |
|---|---|---|
| logistics_info | 运费信息的消息体，**对报文要进行 URL 编码** | Yes |
| encrypt_data | 根据一定的加密规则，得到的签名字符串 | Yes |
| timestamp | 时间戳，格式 yyyy-MM-dd HH:mm:ss | Yes |

**logistics_info message body instruction**

| Field name | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| customerCode | Customer code, supplied by JD 客户编码 | Yes | String | 20 |
| customerOrderNumber | Customer Order Number 客户订单号 | Yes | String | 64 |

**Message sample**

**json**:
```
{
  "customerCode": "Your customer code",
  "customerOrderNumber": "ABC20222H000009822"
}
```

### 1.1.3. Output parameter instruction

| Field name | Field description | Type | Length |
|---|---|---|---|
| waybillCode | 物流公司运单号 | String | 64 |
| orderId | 客户订单号 | String | 64 |
| isSuccess | 在线下单是否成功 true 或 false | Boolean | |
| reason | 如果失败，备注原因，如果成功，可为"" | String | 64 |
| labels | 面单信息（详情参见 Labels 说明) | Array | |

| Label Field name | Field description | Type | Length |
|---|---|---|---|
| labelType | 面单类型（默认返回 OUTBOUND_LABEL） | String | 20 |
| packageID | 原客户包裹号，如 V000042135549-2-3- | String | 64 |
| trackingNumber | 该包裹对应的三方物流跟踪号 | | |
| imageType | 面单图片类型，PDF 或 PNG。如果返回的面单为外部链接，本字段填为 URL. | String | 64 |
| images | 一个图片的数组，数组的元素为图片流的 Base64 编码字符串（字符集为 UTF-8）或外部链接，如果面单只包含一张图片，那么该数组中只有一个元素。生成图像字符串的方法：1. 将图像的字节数组转换为 base64 字节数组 2. 通过使用 UTF-8 字符集解码 base64 字节数组构造一个字符串 | array | |

**Message sample**

json：

```
{
        "reason": "",

        "orderId": "V000042135549",

        "isSuccess": true,

        "customerCode": "your customer code",

        "waybillCode": "YOURWAYBILLCODE123",

        "totalAmount ": 20,

        "labels": [
                {

                        "images": [

                        "JVBERi0xLjcKJeLjz9MKNiAwIG9iago8PCAvVHlwZSAvUGFnZSAvUGFyZW50I......"

                        ],

                        "packageID": "V000042135549-1-3"

                        "trackingNumber": "YOURWAYBILLCODE12301",

                        "labelType": "OUTBOUND_LABEL",

                        "imageType": "PDF"

                },
                {

                        "images": [
```

"JVBERi0xLjcKJeLjz9MKNiAwIG9iago8PCAvVHlwZSAvUGFnZSAvUGFyZW50I......"

],

"packageID": "V000042135549-2-3"

"trackingNumber": "YOURWAYBILLCODE12302",

"labelType": "OUTBOUND_LABEL",

"imageType": "PDF"

},

{

"images": [

"JVBERi0xLjcKJeLjz9MKNiAwIG9iago8PCAvVHlwZSAvUGFnZSAvUGFyZW50I......"

],

"packageID": "V000042135549-3-3"

"trackingNumber": "YOURWAYBILLCODE12303",

"labelType": "OUTBOUND_LABEL",

"imageType": "PDF"

}

]

}

# 1.4. get rates 询价接口

## 1.4.1. **Interface instruction**

| Interface name | 询价接口 |
|---|---|
| Function description | 客户对相应尾程产品询价 |
| Interface supplied by | JDL TMS |
| Data transfer | Https |
| Interaction method | Post |
| Encryption format | application/x-www-form-urlencoded; charset=UTF-8 |
| Data format | Json |
| Interface address | 由 JDL TMS 提供给客户 |

## 1.4.2. **Input parameter instruction**

| Field name | Field description | Required or not |
|---|---|---|
| logistics_info | **URL encoded for online order message** 在线下单的消息体，**对报文要进行 URL 编码** | Yes |
| encrypt_data | Signed string generated based on specific encryption rules 根据一定的加密规则，得到的签名字符串 | Yes |

| timestamp | Timestamp, format: yyyy-MM-dd HH:mm:ss, e.g. 2017-07-15 17:56:42 时间戳，格式 yyyy-MM-dd HH:mm:ss 如果时间戳与当前北京时间相差 15 分钟以上，则视为恶意访问；因此，应注意时间戳的准确性。 | Yes |
|---|---|---|

## 1. logistics_info message body instruction

| Field name | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| customerCode | Customer code, supplied by JD （JD 提供客户唯一编号） | Yes | String | 20 |
| serviceCode | Integrated product code from JDL，TMS 下发的京东产品编码 | Yes | String | |
| packageInfos | Package info (For details, please refer to PackageInfo instruction) 包裹信息(详情参见 PackageInfo 说明) | No | Array | |
| sender | SenderInfo(For details, please refer to Sender Instruction) 发件人信息(详情参见 Sender 说明) | Yes | Sender | |
| receiver | ReceiverInfo (For details, please refer to Receiver Instruction) 收件人信息(详情参见 Receiver 说明) | Yes | Receiver | |
| dimensionsUnits | The unit of measurement of width、length and height. the default is IN 长度单位（默认英尺） | Yes | String | 10 |
| weightUnits | The unit of measurement of weight. The default is LB 重量单位（默认磅） | Yes | String | 10 |

| PackageInfo field name | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| weight | Package weight, unit: LB 包裹重量 LB | Yes | Number | |
| volume | Package volume, unit: Cubic IN 包裹体积 | No | Number | |
| length | Package length, unit: IN 包裹长度 | Yes | Number | |
| width | Package width, unit: IN 包裹宽度 | Yes | Number | |
| height | Package height, Unit: IN 包裹高度 | Yes | Number | |

| Sender field name 发件人 | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| name | 发件人姓名 | Yes | String | 64 |
| companyName | 发件人公司名称 | No | String | 64 |

| mobile | 发件人手机号（与发件人电话号其中之一必传） | Yes | String | 32 |
|---|---|---|---|---|
| tel | 发件人电话号 | No | String | 32 |
| country | 发件人国别二字码 | Yes | String | 2 |
| province | 省 | Yes | String | 32 |
| city | 市 | Yes | String | 32 |
| county | 区县 | No | String | 32 |
| town | 街道 | No | String | 32 |
| address | 详细地址 | Yes | String | 50 |
| address2 | 详细地址 2 | No | String | 50 |
| address3 | 详细地址 3 | No | String | 50 |
| houseNumber | 寄件人门牌号 | No | String | 25 |
| zipCode | 邮政编码 | Yes | String | 32 |

| Receiver field name 收件人信息 | Field description | Required or not | Type | Length |
|---|---|---|---|---|
| name | 收件人姓名 | Yes | String | 64 |
| companyName | 收件人公司名称 | No | String | 64 |
| mobile | 收件人手机号(与收件人电话号其中之一必传) | Yes | String | 32 |
| tel | 收件人电话号 | No | String | 32 |
| Country | 收件人国别二字码 | Yes | String | 2 |
| province | 省 | Yes | String | 32 |
| city | 市 | Yes | String | 32 |
| county | 区县 | No | String | 32 |
| town | 街道 | No | String | 32 |
| address | 详细地址 | Yes | String | 50 |
| address2 | 详细地址 2 | No | String | 50 |
| address3 | 详细地址 3 | No | String | 50 |
| houseNumber | 收货人门牌号 | No | String | 25 |
| zipCode | 邮政编码 | Yes | String | 32 |
| email | 邮箱 | No | String | 64 |

**Message sample**

**json**：

{

    "customerCode": "your customer code",

    "serviceCode": "PF",

"packageInfos": [

    {

        "weight": 6.67,

        "volume": 1.0,

        "length": 1.0,

        "width": 1.0,

        "height": 1.0

    }

],

"sender": {

    "name": "Pelamor",

    "companyName":"MyTest Corp",

    "mobile": "01756321199",

    "province": "Selangor",

    "city": "PETALING JAYA",

    "county": null,

    "town": null,

    "address": "Kompleks Penchala, Ground Floor, No 50",

    "zipCode": "46052",

    "country": "MY",

    "tel": "",

    "address2": "",

    "address3": "",

    "houseNumber": ""

    },

"receiver": {

    "name": "SOMA PULIN",

    "companyName": null,

    "mobile": "60012345427",

    "province": "Johor",

    "city": "Kahang",

    "county": null,

    "town": null,

    "address": "KOLEJ KEDIAMAN D (MAIDAM), KAMPUS PERUBATAN UNISZA",

    "zipCode": "86733",

    "email": null,

```
            "country": "MY",

            "tel": "",

            "address2": "",

            "address3": "",

            "houseNumber": ""

        },

        "dimensionsUnits": "IN",

        "weightUnits": "LB"

}
```

## 1.1.3. **Output parameter instruction**

| Field name | Field description | Type | Length |
|---|---|---|---|
| list | Rate list 询价返回列表 | List | |

| RefundList Field name | Field description | Type | Length |
|---|---|---|---|
| isSuccess | 成功或者失败 | Boolean | |
| errMsg | 失败的报错信息 | String | |
| estimatedDays | 预计运输时间 | String | |
| totalWeight | 重量 | String | |
| weightUnit | 重量单位 | String | |
| yourRate | 预估运费价格 | Number | |
| currency | 币种 | String | |
| serviceCode | Integrated product code from JDL，TMS 下发的京东产品编码 | String | |

**Message sample**
**json**：

```
{
  "list": [
    {
      "isSuccess": true,
      "errMsg": null,
      "estimatedDays": "3-10",
      "totalWeight": "0.125",
      "weightUnit": "lb",
      "yourRate": 3.5,
```

```
    "currency": "USD",
    "serviceCode": "PF"
  }
 ]
}
```

# 1.5.  Tracking Information Push 轨迹推送

## 1.5.1. Interface instruction

| Interface name | 轨迹推送 |
|---|---|
| Function description | 回推轨迹给客户 |
| Interface supplied by | 客户提供 |
| Data transfer | Https |
| Interaction method | Post |
| Encoding format | application/x-www-form-urlencoded; charset=UTF-8 |
| Data format | Xml or Json |
| Interface address | 客户提供 |

## 1.5.2. Input parameter instruction

| Field name | Field description(EN) | Field description(CN) | Required or not | Type | Length |
|---|---|---|---|---|---|
| list | A list of one or several tracking records | 一个或多个轨迹的列表 | Yes | Array | |

| Field name | Field description(EN) | Field description(CN) | Required or not | Type | Length |
|---|---|---|---|---|---|
| logistics_info | **URL encoded for tracking information** | 路由信息的消息体，**对报文要进行 URL 编码** | Yes | Object | |
| encrypt_data | Signed string generated by specific encryption rules | 根据一定的加密规则，得到的签名字符串 | Yes | String | |
| timestamp | Timestamp, format is yyyy-MM-dd HH:mm:ss, e.g. 2016-06-24 11:51:45. | 时间戳，格式 yyyy-MM-dd HH:mm:ss | Yes | String | |

**logistics_info/轨迹消息体结构说明**

| Field name | Field description(EN) | Field description(CN) | Required or not | Type | Length |
|---|---|---|---|---|---|
| waybillCode | Logistics waybill number | 物流公司运单号 | Yes | String | 64 |
| traces | Tracking information list | 轨迹列表（详情参见 Trace 说明) | Yes | List | |

**Trace/轨迹列表**

| Trace field name | Field description(EN) | Field description(CN) | Required or not | Type | Length |
|---|---|---|---|---|---|
| operateTime | Operate time, format is yyyy-MM-dd HH:mm:ss | 操作时间，格式为 yyyy-MM-dd HH:mm:ss | Yes | String | 64 |
| desc | Tracking information description | 轨迹信息描述 | Yes | String | 256 |
| scanType | Event/operation, for details, please refer to below SCANTYPE table encryption specifications，Mandatory for THA and IND，Optional for other countries | 事件/操作，详情参见 SCANTYPE 编码规范。无对应事件可置为 OTHER，每一单均需以 SIGNED 或 FAILED 作结束状态。THA 和 IND 强制，其他国家可选 | Based on certain conditions | String | 64 |
| originalScanType | Origin 3p event codes | 服务商原始状态码 | Yes | 25 | |
| city | Current city | 当前城市 | Yes | String | 64 |

**Message sample**

**json**:

```
{
        "list": [
                {
                        "waybillCode": "YOURWAYBILLCODE12301",
                        "traces": {
                                "operateTime": "2020-05-27 17:03:57",
                                "desc": "Pickup Complete",
                                "scanType": "GOT",
                        " originalScanType ": "COLLECTED",
                                "city": "Kuala Lumpur"
                        }
                },
                {
                        "waybillCode": "YOURWAYBILLCODE12302",
                        "traces": {
                                "operateTime": "2020-05-27 17:03:57",
                                "desc": "Arrived to customer",
```

```
                "scanType": "SIGNED",
                "city": "Kuala Lumpur"
            }
        }
    ]
}
```

## 1.5.3. **Output parameter instruction**

| Field name | Field description(EN) | Field description(CN) | Required or not | Type | Length |
|---|---|---|---|---|---|
| customerCode | Customer code, supplied by JD | JD 提供客户唯一编号 | Yes | String | 20 |
| responseItems | Pushed orders execution responses | 推送订单的执行结果（详情参见 Response 说明） | Yes | List | |
| responseState | Response of interface calling, 0 represents full success, 1 represents partial success, 2 represents failure of parameter verification and 3 represents abnormal responses | 调用接口的执行结果，0 为全部成功 1 为部分成功 2 为参数校验失败 3 为执行时出现异常 | Yes | Integer | |
| errorDesc | Error descriptions, when responseState is 0 or 1, the value is "", when responseState is 2 or 3, relevant error descriptions will be given | 错误描述信息，responseState 为 0 或者 1 时，值为""，responseState 为 2 或者 3 时，有对应的错误描述 | No | String | 64 |

**Response/订单的执行结果**

| Response field name | Field description(EN) | Field description(CN) | Required or not | Type | Length |
|---|---|---|---|---|---|
| waybillCode | logistics waybill number | 物流公司运单号 | Yes | String | 64 |
| isSuccess | Success or not; true or false | 是否成功 true 或者 false | Yes | Boolean | |
| reason | Failed reason | 失败原因 | No | String | 64 |

**Message sample**
**json**：

```
{
    "customerCode": "your customer code",
```

```json
"responseState": 0,
"errorDesc": "",
"responseItems": [
        {
                "waybillCode": "YOURWAYBILLCODE12302",
                "isSuccess": true,
                "reason": ""
        },
        {
                "waybillCode": "YOURWAYBILLCODE12301",
                "isSuccess": true,
                "reason": ""
        }
    ]
}
```