COSCO Syncon Hub API Specification for Booking V2 - Collect

Update Logs

v2.0.0 (2021-08-07)

1. Ⓐ Added the API Booking v2 collect interface.

Http Header

HTTP header information description

HTTP Header	Type	Required	Description	Remarks
X-Consumer-Forwarder-ID	String	no	Forwarder company sapId	

- X-Consumer-Forwarder-ID

```
# If you want to submit an order/booking for your subsidiary,add this header
to the request.The value is sapid of the subsidiary

X-Consumer-Forwarder-ID: 1234567890
```

Booking Interface v2

Customer can place booking throught this interface. The interface will generate the order with the charge details of the product and related discounts. While customer can apply the coupons to deduct the ocean freight of the Product as well. The avaible counpons infomation can be obtain through the Sport Rate Detail interface. Please note that the minimum amount of the ocean freight for one single container after deduction shall be 1 US dollar. No change in coupon amount. For the details of the Booking Rules, please refer to the Syncon Hub online.

1. Informations

- **Path**: /service/synconhub/shipment/general/booking
- **Method**: POST

2. Request parameters

Name	Type	Required	Description	Remarks
productId	string	yes	product id	
preferPaymentTerms	String	yes	prefer payment terms type	optional value: P,C
paymentTermsOptions	Object[]	no	charge payment terms option,	
|--- chargeType	String	yes	chargeType from surcharge query interface. For ocean charges, chargeType is 'OCEAN_FEE', loadingService is 'LOADING_TRANSFER', and dischargeservice is 'DISCHARGE_TRANSFER'	
|--- chargeName	String	no	chargeName from surcharge query interface.Chargename is not required for ocean fee and intermodal services	
|--- paymentTerms	String	yes		optional value: P,C
loadingServiceNo	String	no	intermodalServiceNo from intermodal service query results	
dischargeServiceNo	String	no	intermodalServiceNo from intermodal service query results	
containerInfos	object []	yes	container info	
|---containerType	string	yes		**optional value:** 20GP,40GP,40HQ
|---quantity	integer	yes		**min**: 1
|---estimateWeight	decimal	no	estimate cargo weight per case	**unit**: TON
blQuantity	integer	no	bl quantity	**default**: 1, **min**: 1
couponsInfo	object	no	coupon use info	
|---amount	integer	yes		**min**: 1
|---couponId	string	yes		
includeInsurance	boolean	no	whether include insurance	**default**: false
shipperInfo	object	no	shipper info	
|---name	string	yes		**length**: [1, 70], **English characters**
|---addressLine1	string	yes	country / region / province / city	**length**: [1, 35], **English characters**
|---addressLine2	string	yes	street name	**length**: [1, 35], **English characters**

Name	Type	Required	Description	Remarks
|---addressText	string	no	additional address	**length**: [1, 1200], **English characters**
|---phone	string	yes		**length**: [1, 22]
|---email	string	no		**length**: [1, 400]
|---carrierCustomerCode	string	no	carrier customer code	
consigneeInfo	object	no	consignee info	
|---name	string	yes		**length**: [1, 70], **English characters**
|---addressLine1	string	yes	country / region / province / city	**length**: [1, 35], **English characters**
|---addressLine2	string	yes	street name	**length**: [1, 35], **English characters**
|---addressText	string	no	additional address	**length**: [1, 1200], **English characters**
|---phone	string	yes		**length**: [1, 22]
|---email	string	no		**length**: [1, 400]
|---carrierCustomerCode	string	no	carrier customer code	
notifyPartyInfo	object	no	notify party info	
|---name	string	yes		**length**: [1, 70], **English characters**
|---addressLine1	string	yes	country /region / province / city	**length**: [1, 35], **English characters**
|---addressLine2	string	yes	street name	**length**: [1, 35], **English characters**
|---addressText	string	no	additional address	**length**: [1, 1200], **English characters**
|---phone	string	yes		**length**: [1, 22]
|---email	string	no		**length**: [1, 400]
emergencyContactInfo	object	yes		
|---name	string	no		**length**: [1, 70], **English characters**
|---email	string	yes		**length**: [1, 400]
|---mobile	string	no		**length**: [1, 15]

Name	Type	Required	Description	Remarks
|---phone	string	no		**length**: [1, 22]
|---address	string	no		**length**: [1, 245], **English characters**
cargoInfo	object	yes	cargo info	
|---desc	string	yes	cargo name	**length**: [1, 60], **English characters**
|---packageType	string	yes		
|---quantity	int	yes		
|---weight	decimal	yes		**unit**: KG
|---volume	decimal	yes		**unit**: m^3
|---remarks	string	no		**English characters**
remarks	string	no		**length**: [0, 240], **English characters**

3. Request sample

```
{
    "productId": "8a5e11157351b2df01735562622a0000",
    "loadingServiceNo":"8a5e112478e8ac470178e90d79cc0025",
    "dischargeServiceNo":"8a5e112478e8ac470178e8bbe0d90001",
    "preferPaymentTerms": "P",
    "paymentTermsOptions":[
      {
          "chargeType":"OCEAN_FEE",
          "chargeName":null,
          "paymentTerms":"C"
      },
      {
          "chargeType":"LOADING_TRANSFER",
          "chargeName":null,
          "paymentTerms":"C"
      },
      {
          "chargeType":"DISCHARGE_TRANSFER",
          "chargeName":null,
          "paymentTerms":"C"
      },
      {
          "chargeType":"THC",
          "chargeName":"THC",
          "paymentTerms":"C"
      }
    ],
    "containerInfos": [
        {
            "containerType": "20GP",
```

```json
            "quantity": 1,
            "estimateWeight": 22
        }
    ],
    "blQuantity": 1,
    "couponsInfo": {
        "amount": 1,
        "couponId": "8a5e11227152917a017152b6049f0002"
    },
    "includeInsurance": true,
    "shipperInfo": {
        "name": "shipper name",
        "addressLine1": "CN",
        "addressLine2": "ren min lu",
        "phone": "12345678910",
        "email": "test@test.com",
        //if we are going to book cosplus product,we must pass sapid of bond
here
        //For NVO customer the carrierCustomerCode is FMC sapId,For other
customer the carrierCustomerCode is company sapId
        "carrierCustomerCode": "1234567890"
    },
    "consigneeInfo": {
        "name": "consignee name",
        "addressLine1": "CN",
        "addressLine2": "jian she lu",
        "phone": "12345678910",
        "email": "test@test.com",
        //if we are going to book cosplus product,we must pass sapid of bond
here
        //For NVO customer the carrierCustomerCode is FMC sapId,For other
customer the carrierCustomerCode is company sapId
        "carrierCustomerCode": "1234567890"
    },
    "notifyPartyInfo": {
        "name": "notify party name",
        "addressLine1": "CN",
        "addressLine2": "jian she lu",
        "phone": "12345678910",
        "email": "test@test.com"
    },
    "emergencyContactInfo": {
        "name": "contacter name",
        "email": "test@test.com",
        "mobile": "123456",
        "phone": "12345678910",
        "address": "ren min lu"
    },
    "cargoInfo": {
        "desc": "desk",
        "packageType": "IV",
        "quantity": 1000,
        "weight": 1000.50,
        "volume": 1000.50,
        "remarks": "remarks..."
    },
    "remarks": "remarks..."
}
```

4. Response parameters

Name	Description
code	status code
message	detail message
data	response data

5. Response sample

```
{ "code": 0,
    "message": "",
    "data": {
        "orderNo": "A00008370",
        "brNo": "6889904090"
    }
}
```

6. Error sample

```
{
    "code": 20003,
    "message": "the inventory is not enough"
}

{
    "code": 20073,
    "message": "Charge Type:XXX,ChargeName:XXX cannot be set to Collect"
}
```

7. Error Code Specification

Please refer to the General Error Codes .

Order Query Interface

Query brief information of eligible orders based on conditions

1. Informations

- **Path**: /service/synconhub/order/search
- **Method**: POST

2. Request parameters

Name	Type	Required	Description	Remarks
brNo	string	no	booking request number	
orderNo	string	no	order no	
orderStatus	string	no	order status	**optional value:** CONFIRMED,CANCELED
page	integer	yes	page size	**default:**1，**minimum:**1
size	integer	yes	record size	**default:**20, **range:**[1, 50]
updateDateFrom	ISODate	no	Order update time from	
updateDateTo	ISODate	no	Order update time to	

3. Request sample

```json
{
  "brNo": "6889903730",
  "orderNo": "E00007231",
  "orderStatus": "CONFIRMED",
  "page": 1,
  "size": 20,
  "updateDateFrom": "2020-07-20T03:14:55.200Z",
  "updateDateTo": "2020-07-25T03:14:55.200Z"
}
```

4. Response parameters

Name	Description
code	status code
message	detail message
data	paging query results

5. Response sample

```json
{
    "code": 0,
    "message": "",
    "data": {
        "content": [
            {
                "orderNo": "E00007231", // order number
                "vesselName": "COSCO YANTIAN",
```

```json
                "voyageNo": "020", // voyage number
                "porCityName": "Shekou",
                "fndCityName": "Durban",
                "etd": "2020-08-04 00:00",
                "carrier": "集运",
                "orderStatus": "CONFIRMED",
                "offlineCharges": {
                    "ORIGINAL": {
                        "onlineTotalAmount": 7443.37,
                        "onlinePaidAmount": 0,
                        "onlineUnpaidAmount": 7443.37,
                        "minimumUnpaidAmount": 7443.37, // unpaid amount of down
payment in installments
                        "balanceUnpaidAmount": 0.00,
                        "currencyType": "CNY",
                        "deadFreightAmount": 0,
                        "remissionAmount": 0
                    }
                },
                "effectiveStartDate": "2020-07-05T00:00:00.000Z",
                "effectiveEndDate": "2020-12-23T23:59:59.000Z",
                "orderUser": "testuser",
                "direction": "W",
                "brNoInfos": [ // booking number info
                    {
                        "isBrNoInternal": true, // is our platform booking
request
                        "brNo": "6889903730" // booking request number
                    }
                ],
                "orderTime": "2020-07-06T08:57:05.460Z",
                "orderContainerSummaryDTOList": [ // container info
                    {
                        "cntrType": "20GP" , // container type
                        "avaCount": 1, // returnable container count
                        "validTotalCount": 1,
                        "bookedCount": 0
                    }
                ]
            }
        ],
        "number": 1,
        "size": 20,
        "totalPages": 1,
        "totalElements": 1,
        "first": true, // is first page
        "last": true, // is last page
        "empty": false
    }
}
```

6. Error sample

```
{
    "code": 20000,
    "message": "cannot identify the user, please contact support for help"
}
```

7. Error Code Specification

Please refer to the General Error Codes .

Order Details Query Interface

Query order details by order number

1. Informations

- **Path**: /service/synconhub/order/detail/{orderNo}
- **Method**: GET

2. Path parameters

Name	Type	Required	Description
orderNo	String	yes	order number

3. Request sample

```
GET /service/synconhub/order/detail/E00144631
```

4. Response parameters

Name	Description
code	status code
message	detail message
data	order detail info

5. Response sample

```
{
    "code": 0,
    "message": "",
    "data": {
        "orderNo": "E00007231", // order number
        "orderStatus": "CONFIRMED",
        "orderTime": "2020-07-06T08:57:05.460Z",
        "offlineCharges": {
```

```json
            "ORIGINAL":[ // charge type:[ORIGINAL, EXTRA_CHARGE, REFUND,
WITHDRAW_COMMISSION]
                {
                    "currencyType": "CNY",
                    "charge": 1622.17,
                    "deadFreightAmount": 0,
                    "remissionAmount": 0
                }
            ]
        },
        "sailingProduct": {...}, // product info, for the specific structure,
please refer to "Spot Rate Query"
        "orderContainerSummaries": [ // container info
            {
                "cntrType": "20GP",
                "avaCount": 1, // returnable container
                "validTotalCount": 2,
                "bookedCount": 1
            }
        ],
        "bookingContainers": [
            {
                "bookingNo": "6889903730", // booking number
                "status": "Confirmed", // status values :
['New','Confirmed','Cancelled']
                "cntrType": "20GP", // container type
                "count": 1
            }
        ],
        "transferServices": [
            {
                "cityId": "738872886233881",
                "cityName": "Singapore",
                "ctryCode": "SG",
                "cityFullNameEn": "Singapore",
                "cityFullNameCn": "新加坡",
                "transferType": "DISCHARGE",
                "transportMode": "RAIL",
                "transportTerms": "CY",
                "transitTime": 2,
                "facilityCode": null,
                "facilityName": null
            },
            {
                "cityId": "738872886232879",
                "cityName": "Ningbo",
                "ctryCode": "CN",
                "cityFullNameEn": "Ningbo",
                "cityFullNameCn": "宁波",
                "transferType": "LOADING",
                "transportMode": "RAIL",
                "transportTerms": "CY",
                "transitTime": 2,
                "facilityCode": null,
                "facilityName": null
            }
        ]
    }
```

```
}
```

6. Error sample

```
{
    "code": 20006,
    "message": "The order does not exist"
}
```

7. Error Code Specification

Please refer to the General Error Codes .