

COSCO Syncon Hub API Specification for Booking

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Booking Interface

Customer can place booking through 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 available coupons information can be obtained 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/booking
- **Method:** POST

2. Request parameters

Name	Type	Required	Description	Remarks
productId	string	yes	product id	
containerInfos	object []	yes	container info	
---containerType	string	yes		optional value: 20GP,40GP,40HQ
---quantity	integer	yes		min: 1
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 / province / city	length: [1, 35], English characters
---addressLine2	string	yes	street name	length: [1, 35], English characters
---phone	string	yes		length: [1, 22]
---email	string	no		length: [1, 400]
consigneeInfo	object	no	consignee info	
---name	string	yes		length: [1, 70], English characters
---addressLine1	string	yes	country / province / city	length: [1, 35], English characters
---addressLine2	string	yes	street name	length: [1, 35], English characters
---phone	string	yes		length: [1, 22]
---email	string	no		length: [1, 400]
notifyPartyInfo	object	no	notify party info	

Name	Type	Required	Description	Remarks
---name	string	yes		length: [1, 70], English characters
---addressLine1	string	yes	country / province / city	length: [1, 35], English characters
---addressLine2	string	yes	street name	length: [1, 35], 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]
---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

```

1  {
2      "productId": "8a5e11157351b2df01735562622a0000",
3      "containerInfos": [
4          {
5              "containerType": "20GP",
6              "quantity": 1
7          }
8      ],
9      "blQuantity": 1,

```

```

10     "couponsInfo": {
11         "amount": 1,
12         "couponId": "8a5e11227152917a017152b6049f0002"
13     },
14     "includeInsurance": true,
15     "shipperInfo": {
16         "name": "shipper name",
17         "addressLine1": "CN",
18         "addressLine2": "ren min lu",
19         "phone": "12345678910",
20         "email": "test@test.com"
21     },
22     "consigneeInfo": {
23         "name": "consignee name",
24         "addressLine1": "CN",
25         "addressLine2": "jian she lu",
26         "phone": "12345678910",
27         "email": "test@test.com"
28     },
29     "notifyPartyInfo": {
30         "name": "notify party name",
31         "addressLine1": "CN",
32         "addressLine2": "jian she lu",
33         "phone": "12345678910",
34         "email": "test@test.com"
35     },
36     "emergencyContactInfo": {
37         "name": "contacter name",
38         "email": "test@test.com",
39         "mobile": "123456",
40         "phone": "12345678910",
41         "address": "ren min lu"
42     },
43     "cargoInfo": {
44         "desc": "desk",
45         "packageType": "IV",
46         "quantity": 1000,
47         "weight": 1000.50,
48         "volume": 1000.50,
49         "remarks": "remarks..."
50     },
51     "remarks": "remarks..."
52 }

```

4. Response parameters

Name	Description
code	status code
message	detail message
data	response data

5. Response sample

```
1 {  
2   "orderNo": "E00144631",  
3   "brNo": "6889904090"  
4 }
```

6. Error sample

```
1 {  
2   "code": "20003",  
3   "message": "the inventory is not enough"  
4 }
```

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	CONFIRMED
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

```

1  {
2    "brNo": "6889903730",
3    "orderNo": "E00007231",
4    "orderStatus": "CONFIRMED",
5    "page": 1,
6    "size": 20,
7    "updateDateFrom": "2020-07-20T03:14:55.200Z",
8    "updateDateTo": "2020-07-25T03:14:55.200Z"
9  }

```

4. Response parameters

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

5. Response sample

```

1  {
2    "code": 0,
3    "message": "",
4    "data": {
5      "content": [
6        {
7          "orderNo": "E00007231", // order number
8          "vesselName": "COSCO YANTIAN",
9          "voyageNo": "020", // voyage number
10         "porCityName": "Shekou",
11         "fndCityName": "Durban",
12         "etd": "2020-08-04 00:00",
13         "carrier": "集运",
14         "orderStatus": "CONFIRMED",
15         "offlineCharges": {
16           "ORIGINAL": {
17             "onlineTotalAmount": 7443.37,
18             "onlinePaidAmount": 0,
19             "onlineUnpaidAmount": 7443.37,
20             "minimumUnpaidAmount": 7443.37, // unpaid amount of
down payment in installments
21             "balanceUnpaidAmount": 0.00,
22             "currencyType": "CNY",
23             "deadFreightAmount": 0,
24             "remissionAmount": 0
25           }
26         },
27         "effectiveStartDate": "2020-07-05T00:00:00.000Z",
28         "effectiveEndDate": "2020-12-23T23:59:59.000Z",
29         "orderUser": "testuser",
30         "direction": "w",
31         "brNoInfos": [ // booking number info
32           {

```

```

33         "isBrNoInternal": true, // is our platform booking
request
34         "brNo": "6889903730" // booking request number
35     }
36 ],
37     "orderTime": "2020-07-06T08:57:05.460Z",
38     "orderContainerSummaryDTOList": [ // container info
39     {
40         "cntrType": "20GP" , // container type
41         "avaCount": 1, // returnable container count
42         "validTotalCount": 1,
43         "bookedCount": 0
44     }
45 ]
46 }
47 ],
48     "number": 1,
49     "size": 20,
50     "totalPages": 1,
51     "totalElements": 1,
52     "first": true, // is first page
53     "last": true, // is last page
54     "empty": false
55 }
56 }

```

6. Error sample

```

1  {
2      "code": "20000",
3      "message": "cannot identify the user, please contact support for help"
4  }

```

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

```

1  GET /service/synconhub/order/detail/E00144631

```

4. Response parameters

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

5. Response sample

```
1  {
2    "code": 0,
3    "message": "",
4    "data": {
5      "orderNo": "E00007231", // order number
6      "orderStatus": "CONFIRMED",
7      "orderTime": "2020-07-06T08:57:05.460Z",
8      "offlineCharges": {
9        "ORIGINAL": [ // charge type:[ORIGINAL, EXTRA_CHARGE, REFUND,
WITHDRAW_COMMISSION]
10          {
11            "currencyType": "CNY",
12            "charge": 1622.17,
13            "deadFreightAmount": 0,
14            "remissionAmount": 0
15          }
16        ]
17      },
18      "sailingProduct": {...}, // product info, for the specific
structure, please refer to "Spot Rate Query"
19      "orderContainersSummaries": [ // container info
20        {
21          "cntrType": "20GP",
22          "avaCount": 1, // returnable container
23          "validTotalCount": 2,
24          "bookedCount": 1
25        }
26      ],
27      "bookingContainers": [
28        {
29          "bookingNo": "6889903730", // booking number
30          "status": "Confirmed",
31          "cntrType": "20GP", // container type
32          "count": 1
33        }
34      ]
35    }
36  }
```

6. Error sample


```
1 {  
2   "code": "20006",  
3   "message": "The order does not exist"  
4 }
```