COSCO Syncon Hub API Specification for Cross Booking Inventory

Port Information Query Interface

Fuzzy query of the port information maintained by the platform based on the keywords of the port name

1. Informations

- **Path**: /service/synconhub/common/port/search
- **Method**: POST

2. Request parameters

Name	Type	Required	Description	Remarks
keywords	String	yes	port name keywords	
page	Integer	no	page size	**default:**1，**minimum:**1
size	Integer	no	record size	**default:**30，**minimum:**1，**maximum**

3. Request sample

```
{
    "keywords": "yantian",
    "page": 1,
    "size": 30
}
```

4. Response parameters

Name	Description
code	status code
message	detail message
data	Paging query results (sorted by port name)

5. Response sample

```
{
    "code": 0,
    "message": "",
    "data": {
        "content": [
            {
                "id": "349645770723388",
                "portName": "Yantian",
                "portCode": "YTN",
                "portFullNameEn": "Yantian",
                "portFullNameCn": "盐田",
                "city": {
                    "id": "738872886233057", // city id
                    "unlocode": "CNSZN", // port code
                    "cityName": "Shenzhen",
                    "cntyName": "Shenzhen", // county name
                    "stateName": "Guangdong",
                    "stateCode": "GD",
                    "ctryName": "China", // country name
                    "ctryCode": "CN", // country code
                    "cityFullNameEn": "Shenzhen",
                    "cityFullNameCn": "深圳"
                }
            }
        ],
        "number": 1,
        "size": 30,
        "totalPages": 1,
        "totalElements": 1,
        "first": true, // is first page
        "last": true, // is last page
        "empty": false
    }
}
```

6. Error sample

```
{
    "code": 20041,
    "message": "the page size should be between 0 and 30."
}
```

Cross Booking Inventory Query Interface

1. Informations

- **Path**: "/service/synconhub/crossBooking/inventory/search"
- **Method**：POST

2. Request parameters

Name	Type	Required	Description	Remarks
contractNumber	String	yes	contract number	
dateFrom	ISODate	yes		
dateTo	ISODate	no		
service	String	no	service code	
polId	String	no	pol port id	
page	Integer	no	page number	**default:** 1,**min:** 1
size	Integer	no	page size	**default:** 20, **range:** [1, 50]

3. Request sample

```
{
    "contractNumber": "ATE20001",
    "dateFrom": "2020-07-20T00:00:00.000Z",
    "dateTo": "2020-08-20T00:00:00.000Z",
    "service": "SEA",
    "podId": "349645770723388",
    "page": 1,
    "size": 20
}
```

4. Response parameters

Name	Description
code	status code
message	detail message
data	pagination to return inventory information that meets the query condition. (sorted by week number)

5. Response sample

```json
{
    "code": 0,
    "message": "",
    "data": {
        "content": [
            {
                "weekNo": 202033, // week number
                "contractNumber": "ATE20001",
                "services": ["SEA", "AEU1"],
                "pols": [ // pol port infos, for the specific structure, please
refer to "Port Information Query Interface"
                    {
                        "id": "349645770723388",
                        "portName": "Yantian",
                        "portCode": "YTN",
                        "portFullNameEn": "Yantian",
                        "portFullNameCn": "盐田",
                        "city": {
                            "id": "738872886233057",
                            "unlocode": "CNSZN",
                            "cityName": "Shenzhen",
                            "cntyName": "Shenzhen",
                            "stateName": "Guangdong",
                            "stateCode": "GD",
                            "ctryName": "China",
                            "ctryCode": "CN",
                            "cityFullNameEn": "Shenzhen",
                            "cityFullNameCn": "深圳"
                        }
                    }
                ],
                "used": 10,
                "available": 20,
                "total": 30
            }
        ],
        "number": 1,
        "size": 20,
        "totalPages": 1,
        "totalElements": 1,
        "first": true, // is first page
        "last": true, // is last page
        "empty": false
    }
}
```

6. Error sample

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