Singapore Maritime Data Hub (SG-MDH)

API User Guide & Documentation

Version 1.4 | 13 April 2021

Document Change Logs

Version No.	Change Details	Date
1.0	- Initial Version	1 March 2019
1.1	- Updated the frequency of the APIs - Minor revisions (typo errors)	8 May 2019
1.2	- Included more details for Singapore flagged ships in the Vessel Particulars API - Updated the frequency of the APIs - Minor revisions (typo errors)	24 June 2019
1.3	- Two new APIs, Port Clearances and SRS Certificate of Registry - Minor revisions (typo errors)	19 October 2020
1.4	Two new API, latest vessel arrival declaration and vessel particulars search by charset	13 April 2021

Table of Contents

1. Making API Calls

API calls need to be made programmatically in regular intervals to obtain the constant stream of data for your respective development or research needs. for illustration purposes, the API call below is being made via a third-party application – Postman.

Steps to making an API call:

a)   Download and install the Postman from https://www.getpostman.com   Fire it up!
b)   Make sure Http method is set to GET
c)   Enter the URL (refer to subsequent pages in this document) in the field request URL.
d)   Enter your API Key under Headers
e)   Click on the Send button.
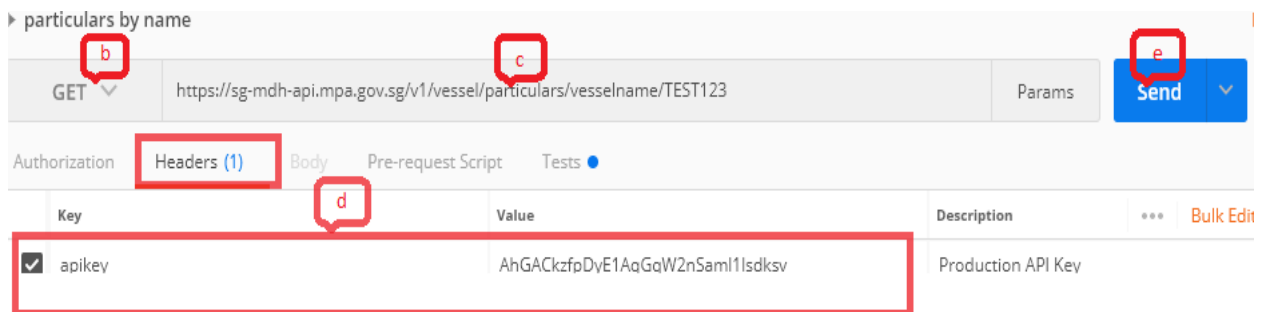
Figure 2-1

Figure 2-2 below shows the JSON response of an API call made for Vessel Particulars by name API.
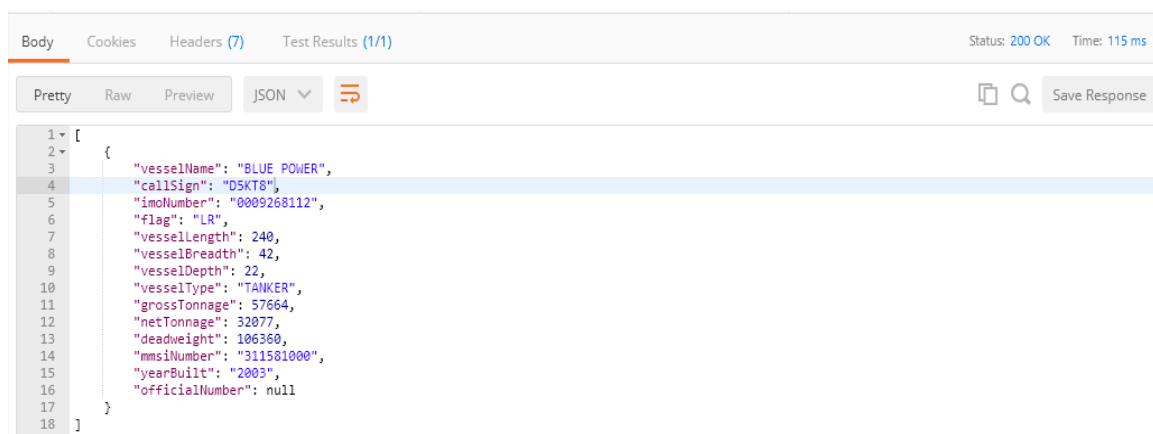
Figure 2-2: API (JSON) Response as shown on Postman

2.   API Documentation

The following lists all real-time / dynamic datasets that are refreshed at regular intervals and served out via APIs. Specification for each dataset can be found in the rest of this document.

S. No	Dataset Name	Description
1	Vessel Particulars	Provides the corresponding vessel particulars information for the given vessel name/IMO number/callsign. The data is updated every 6 hours.
2	Vessel Positions	Provides the corresponding vessel positions information for the given vessel name/IMO number/callsign and snapshot. The data is updated every 3 minutes.
3	Vessel Movements	Provides the corresponding vessel movements information for the given vessel name/IMO number/callsign. The data is updated every 5 minutes.
4	Vessel Arrivals	Provides the corresponding vessels arrival information for the given date in yyyy-MM-dd format and datetime in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.
5	Vessels Due to Arrive	Provides the corresponding vessels that are due to arrive information for the given date in yyyy-MM-dd format and datetime in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.
6	Vessel Departures	Provides the corresponding vessel departures information for the given date in yyyy-MM-dd format and datetime in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.
7	Vessels Due to Depart	Provides the corresponding vessels that are due to depart information for the given date in yyyy-MM-dd format and datetime in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.
8	SRS Certificate of Registry	Provides the corresponding Singapore registered ships certificate information for the given Certificate Number/vessel details. The data is updated every hour.
9	Port Clearance Certificates	Provides the corresponding port clearance certs information for the given vessel name/IMO number/callsign. The data is updated every hour.
10	Vessel Arrival Declarations	Provides the corresponding vessel arrival declaration information for the given vessel name/IMO number/callsign/date/datetime and hours. The data is updated every hour.
11	Vessel Departure Declarations	Provides the corresponding vessel departure declaration information for the given vessel name/IMO number/callsign/date/datetime and hours. The data is updated every hour.

12	Vessel Types	Provides the corresponding vessel types lookup data in json/zipped json/zipped csv formats. The data is updated every day.
13	Location Codes	Provides the corresponding location codes lookup data in json/zipped json/zipped csv formats. The data is updated every day.
14	Country Codes	Provides the corresponding country codes lookup data in json/zipped json/zipped csv formats. The data is updated every day.
15	Port Codes	Provides the corresponding port codes lookup data json/zipped json/zipped csv formats. The data is updated every day.

2.1   Vessel Particulars

The below are the different services exposed as APIs out of vessel particulars dataset and all these APIs provide vessel information using one of its parameters like name/IMO number/callsign data. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Vessel Particulars by Name	Provides the corresponding vessel particulars information for the given vessel name. The data is updated every 6 hours.
2	Vessel Particulars by IMO Number	Provides the corresponding vessel particulars information for the given vessel IMO number. The data is updated every 6 hours.
3	Vessel Particulars by CallSign	Provides the corresponding vessel particulars information for the given vessel callsign. The data is updated every 6 hours.
4	List of Vessel Particulars by charset	Provides the corresponding List of vessel particulars information (imo number and vessel name) for the given charset. The data is updated every 6 hours. Charset should be minimum 3 and maximum 8 character.

2.1.1   Vessel Particulars by Name

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/particulars/vesselname/{vesselname}			
Description	Provides the corresponding vessel particulars information for the given vessel name. The data is updated every 6 hours.			
Update Freq.	6 hours			
Request Details				
	Name	Mandatory	Description	Sample
Parameters	vesselname	Yes	Should be in text format	TEST NEW
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
Attributes	Description		Sample	
vesselName	Name of the vessel		TEST NEW	
callSign	CallSign of the vessel		ABCXYZ	
imoNumber	IMO Number of the vessel		1234567	
flag	Country flag of the vessel		HK	
vesselLength	Length of the vessel		185	
vesselBreadth	Breadth of the vessel		12.5	
vesselDepth	Depth of the vessel		0	
vesselType	Type of the vessel		TANKER	

grosstonnage	Gross tonnage of the vessel	11840
nettonnage	Net tonnage of the vessel	22988
deadweight	Dead weight of the vessel	39860
mmsiNumber	MMSI number of the vessel	0
yearBuilt	The year in which the vessel has been build	1974
If vessel flag is 'SG' then the below fields also be part of API response		
ismManager	ISM Manager	XYZ MANAGEMENT SERVICES PTE LTD
shipManager	Ship Manager	XYZ MANAGEMENT SERVICES PTE LTD
registeredOwnership	Registered Ownership	XYZ INTERNATIONAL LIMITED
classificationSociety	Classification society	MPA

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/particulars/vesselname/TEST%20NEW" -H "apikey: j4w4tty4Lw80hAbWWQ "
| Response | ```
[
  {
    "vesselName":"TEST NEW",
    "callSign":"ABCXYZ",
    "imoNumber":"1234567",
    "flag":"HK",
    "vesselLength":185,
    "vesselBreadth":12.5,
    "vesselDepth":0,
    "vesselType":"TANKER",
    "grossTonnage":11840,
    "netTonnage":22988,
    "deadweight":39860,
    "mmsiNumber":"0",
    "yearBuilt":"1974"
  }
]
``` |

2.1.2   Vessel Particulars by IMO Number

URL	http://sg-mdh-api.mpa.gov.sg/v1/vessel/particulars/imonumber/{imonumber}
Description	Provides the corresponding vessel particulars information for the given vessel IMO number. The data is updated every 6 hours.
Update Freq.	6 hours
Request Details	

Parameters	Name	Mandatory	Description	Sample
Parameters	imonumber	Yes	Should be in text format	1234567
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
Flag	Country flag of the vessel	HK
vesselLength	Length of the vessel	185
vesselBreadth	Breadth of the vessel	12.5
vesselDepth	Depth of the vessel	0
vesselType	Type of the vessel	TANKER
grosstonnage	Gross tonnage of the vessel	11840
nettonnage	Net tonnage of the vessel	22988
Deadweight	Dead weight of the vessel	39860
mmsiNumber	MMSI number of the vessel	0
yearBuilt	The year in which the vessel has been build	1974
If vessel flag is 'SG' then the below fields also be part of API response		
ismManager	ISM Manager	XYZ MANAGEMENT SERVICES PTE LTD
shipManager	Ship Manager	XYZ MANAGEMENT SERVICES PTE LTD
registeredOwnership	Registered Ownership	XYZ INTERNATIONAL LIMITED
classificationSociety	Classification society	MPA

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/particulars/imonumber/1234567" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"
Response	[　{ 　　"vesselName":"TEST NEW", 　　"callSign":"ABCXYZ", 　　"imoNumber":"1234567", 　　"flag":"HK", 　　"vesselLength":185,

```
        "vesselBreadth":12.5,
        "vesselDepth":0,
        "vesselType":"TANKER",
        "grossTonnage":11840,
        "netTonnage":22988,
        "deadweight":39860,
        "mmsiNumber":"0",
        "yearBuilt":"1974"
    }
]
```

2.1.3   Vessel Particulars by CallSign

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/particulars/callsign/{callsign}
Description	Provides the corresponding vessel particulars information for the given vessel callsign. The data is updated every 6 hours.
Update Freq.	6 hours

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	callsign	Yes	Should be in text format	ABCXYZ
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	HK
vesselLength	Length of the vessel	185
vesselBreadth	Breadth of the vessel	12.5
vesselDepth	Depth of the vessel	0
vesselType	Type of the vessel	TANKER
grosstonnage	Gross tonnage of the vessel	11840
nettonnage	Net tonnage of the vessel	22988
deadweight	Dead weight of the vessel	39860

mmsiNumber	MMSI number of the vessel	0
yearBuilt	The year in which the vessel has been build	1974
If vessel flag is 'SG' then the below fields also be part of API response		
ismManager	ISM Manager	XYZ MANAGEMENT SERVICES PTE LTD
shipManager	Ship Manager	XYZ MANAGEMENT SERVICES PTE LTD
registeredOwnership	Registered Ownership	XYZ INTERNATIONAL LIMITED
classificationSociety	Classification society	MPA

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/particulars/callsign/ABCXYZ" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"
| Response | ```
[
  {
    "vesselName":"TEST NEW",
    "callSign":"ABCXYZ",
    "imoNumber":"1234567",
    "flag":"HK",
    "vesselLength":185,
    "vesselBreadth":12.5,
    "vesselDepth":0,
    "vesselType":"TANKER",
    "grossTonnage":11840,
    "netTonnage":22988,
    "deadweight":39860,
    "mmsiNumber":"0",
    "yearBuilt":"1974"
  }
]
``` |

2.1.4   List of Vessel Particulars by name(charset)

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/particulars/name/{charset}
Description	Provides the corresponding List of vessel particulars information (imo number and vessel name) for the given charset. Charset should be minimum 3 and maximum 8 character.
Update Freq.	6 hours

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	charset	Yes	Should be in text format	TEST
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
imoNumber	IMO Number of the vessel	1234567

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/particulars/name/TES" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	```
	[
	  {
	    "vesselName":"TEST NEW",
	    "imoNumber":"1234567"
	  }
	]
	``

2.2   Vessel Positions

The below are the different services exposed as APIs out of vessel positions dataset and all these APIs provide vessel positions information using one of its parameters like Name/IMO Number/CallSign. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Vessel Positions by Name	Provides the corresponding vessel positions information for the given vessel name. The data is updated every 3 minutes.
2	Vessel Positions by IMO Number	Provides the corresponding vessel positions information for the given vessel IMO number. The data is updated every 3 minutes.
3	Vessel Positions by CallSign	Provides the corresponding vessel positions information for the given vessel callsign. The data is updated every 3 minutes.
4	Vessel Positions Snapshot	Provides a snapshot of vessel positions information. The data is updated every 3 minutes.

2.2.1   Vessel Positions by Name

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/positions/vesselname/{vesselname}			
Description	Provides the corresponding vessel positions information for the given vessel name. The data is updated every 3 minutes.			
Update Freq.	3 mins			
Request Details				
	Name	Mandatory	Description	Sample
Parameters	vesselname	Yes	Should be in text format	TEST NEW
Headers	Apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
Attributes	Description		Sample	
vesselName	Name of the vessel		TEST NEW	
callSign	CallSign of the vessel		ABCXYZ	
imoNumber	IMO Number of the vessel		1234567	
flag	Country flag of the vessel		CY	
vesselLength	Length of the vessel		138	
vesselBreadth	Breath of the vessel		0	
vesselDepth	Depth of the vessel		0	
vesselType	Type of vessel		DR	
grossTonnage	Vessel gross tonnage		18091	

netTonnage	Vessel net tonnage	5427
deadweight	Deadweight	0
mmsiNumber	MMSI Number	210381000
yearBuilt	Built in year	2004
latitude	Latitude	0.0222022466007
longitude	Longitude	1.81311898436
latitudeDegrees	Latitude Degrees	1.27209502593
longitudeDegrees	Longitude Degrees	103.884065559
speed	Speed	0
course	Course	0
heading	Heading	71.9989
timeStamp	Last Update Time	2019-09-23 10:17:59

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/movements/vesselname/TEST%20NEW" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	<pre>[
	  {
	    "vesselParticulars": {
	      "vesselName": "TEST NEW",
	      "callSign": "ABCXYZ",
	      "imoNumber": "123456",
	      "flag": "CY",
	      "vesselLength": 138,
	      "vesselBreadth": 0,
	      "vesselDepth": 0,
	      "vesselType": "DR",
	      "grossTonnage": 18091,
	      "netTonnage": 5427,
	      "deadweight": 0,
	      "mmsiNumber": "210381000",
	      "yearBuilt": "2004"
	    },
	    "latitude": 0.0222022466007,
	    "longitude": 1.81311898436,
	    "latitudeDegrees": 1.27209502593,
	    "longitudeDegrees": 103.884065559,
	    "speed": 0,
	    "course": 0,
	    "heading": 71.9989,
	    "timeStamp": "2019-09-23 10:17:59"
	  }
	]</pre>

2.2.2   Vessel Positions by IMO Number

URL	http://sg-mdh-api.mpa.gov.sg/v1/vessel/positions/imonumber/{imonumber}
Description	Provides the corresponding vessel positions information for the given vessel IMO number. The data is updated every 3 minutes.
Update Freq.	3 min

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	imonumber	Yes	Should be in text format	1234567
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	SG
vesselLength	Length of the vessel	138
vesselBreadth	Breath of the vessel	0
vesselDepth	Depth of the vessel	0
vesselType	Type of vessel	DR
grossTonnage	Vessel gross tonnage	18091
netTonnage	Vessel net tonnage	5427
deadweight	Deadweight	0
mmsiNumber	MMSI Number	210381000
yearBuilt	Built in year	2004
latitude	Latitude	0.0222022466007
longitude	Longitude	1.81311898436
latitudeDegrees	Latitude Degrees	1.27209502593
longitudeDegrees	Longitude Degrees	103.884065559
speed	Speed	0
course	Course	0
heading	Heading	71.9989
timeStamp	Last Update Time	2019-09-23 10:17:59

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/positions/imonumber/1234567" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	`[`
	`  {`
	`    "vesselParticulars": {`
	`      "vesselName": "TEST NEW",`
	`      "callSign": "ABCXYZ",`
	`      "imoNumber": "123456",`
	`      "flag": "CY",`
	`      "vesselLength": 138,`
	`      "vesselBreadth": 0,`
	`      "vesselDepth": 0,`
	`      "vesselType": "DR",`
	`      "grossTonnage": 18091,`
	`      "netTonnage": 5427,`
	`      "deadweight": 0,`
	`      "mmsiNumber": "210381000",`
	`      "yearBuilt": "2004"`
	`    },`
	`    "latitude": 0.0222022466007,`
	`    "longitude": 1.81311898436,`
	`    "latitudeDegrees": 1.27209502593,`
	`    "longitudeDegrees": 103.884065559,`
	`    "speed": 0,`
	`    "course": 0,`
	`    "heading": 71.9989,`
	`    "timeStamp": "2019-09-23 10:17:59"`
	`  }`
	`]`

2.2.3   Vessel Positions by CallSign

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/positions/callsign/{callsign}
Description	Provides the corresponding vessel positions information for the given vessel callsign. The data is updated every 3 minutes.
Update Freq.	3 min

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	callsign	Yes	Should be in text format	ABCXYZ
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	SG
vesselLength	Length of the vessel	138
vesselBreadth	Breath of the vessel	0
vesselDepth	Depth of the vessel	0
vesselType	Type of vessel	DR
grossTonnage	Vessel gross tonnage	18091
netTonnage	Vessel net tonnage	5427
deadweight	Deadweight	0
mmsiNumber	MMSI Number	210381000
yearBuilt	Built in year	2004
latitude	Latitude	0.0222022466007
longitude	Longitude	1.81311898436
latitudeDegrees	Latitude Degrees	1.27209502593
longitudeDegrees	Longitude_Degrees	103.884065559
speed	Speed	0
course	Course	0
heading	Heading	71.9989
timeStamp	Last Update Time	2019-09-23 10:17:59

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/positions/callsign/ABCXYZ" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

| **Response** | ```json
[
    {
        "vesselParticulars": {
            "vesselName": "TEST NEW",
            "callSign": "ABCXYZ",
            "imoNumber": "123456",
            "flag": "CY",
            "vesselLength": 138,
            "vesselBreadth": 0,
            "vesselDepth": 0,
            "vesselType": "DR",
            "grossTonnage": 18091,
            "netTonnage": 5427,
            "deadweight": 0,
            "mmsiNumber": "210381000",
            "yearBuilt": "2004"
        },
        "latitude": 0.0222022466007,
        "longitude": 1.81311898436,
        "latitudeDegrees": 1.27209502593,
        "longitudeDegrees": 103.884065559,
        "speed": 0,
        "course": 0,
        "heading": 71.9989,
        "timeStamp": "2019-09-23 10:17:59"
    }
]
``` |

2.2.4 Vessel Positions Snapshot

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/positions/snapshot			
Description	Provides a snapshot of vessel positions information. The data is updated every 3 minutes.			
Update Freq.	3 mins			
Request Details				
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQGKwto
Response Details				
Attributes	**Description**		**Sample**	
vesselName	Name of the vessel		TEST NEW	
callSign	CallSign of the vessel		ABCXYZ	
imoNumber	IMO Number of the vessel		1234567	

flag	Country flag of the vessel	SG
vesselLength	Length of the vessel	138
vesselBreadth	Breath of the vessel	0
vesselDepth	Depth of the vessel	0
vesselType	Type of vessel	DR
grossTonnage	Vessel gross tonnage	18091
netTonnage	Vessel net tonnage	5427
deadweight	Deadweight	0
mmsiNumber	MMSI Number	210381000
yearBuilt	Built in year	2004
latitude	Latitude	0.0222022466007
longitude	Longitude	1.81311898436
latitudeDegrees	Latitude Degrees	1.27209502593
longitudeDegrees	Longitude_Degrees	103.884065559
speed	Speed	0
course	Course	0
heading	Heading	71.9989
timeStamp	Last Update Time	2019-09-23 10:17:59

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/positions/snapshot" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"
Response	<pre>[
{
"vesselParticulars": {
"vesselName": "TEST NEW",
"callSign": "ABCXYZ",
"imoNumber": "123456",
"flag": "CY",
"vesselLength": 138,
"vesselBreadth": 0,
"vesselDepth": 0,
"vesselType": "DR",
"grossTonnage": 18091,
"netTonnage": 5427,
"deadweight": 0,
"mmsiNumber": "210381000",
"yearBuilt": "2004"
},
"latitude": 0.0222022466007,
"longitude": 1.81311898436,
"latitudeDegrees": 1.27209502593,
"longitudeDegrees": 103.884065559,
"speed": 0,
"course": 0,
"heading": 71.9989,
"timeStamp": "2019-09-23 10:17:59"
}
]</pre>

2.3   Vessel Movements

The below are the different services exposed as APIs out of vessel movements dataset and all these APIs provide vessel movements information using one of its parameters like Name/IMO Number/CallSign. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Vessel Movements by Name	Provides the corresponding vessel movements information for the given vessel name. The data is updated every 5 minutes.
2	Vessel Movements by IMO Number	Provides the corresponding vessel movements information for the given vessel IMO number. The data is updated every 5 minutes.
3	Vessel Movements by CallSign	Provides the corresponding vessel movements information for the given vessel callsign. The data is updated every 5 minutes.

2.3.1   Vessel Movements by Name

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/movements/vesselname/{vesselname}			
Description	Provides the corresponding vessel movements information for the given vessel name. The data is updated every 5 minutes.			
Update Freq.	5 mins			
Request Details				
	Name	Mandatory	Description	Sample
Parameters	vessel name	Yes	Should be in text format	TEST NEW
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWW
Response Details				
Attributes	Description	Sample		
vesselName	Name of the vessel	TEST NEW		
callSign	CallSign of the vessel	ABCXYZ		
imoNumber	IMO Number of the vessel	1234567		
Flag	Country flag of the vessel	GB		
movementStartDateTime	Movement start date and time	2014-04-23 11:45:00		
movementEndDateTime	Movement end date and time	2014-04-23 12:15:00		
movementStatus	Movement status	C		
movementType	Movement type	D		
locationFrom	Location From	AEHB		
locationto	Location to	SEAW		

movementDraft	Movement Draft	182
movementHeight	Movement Height	50

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/movements/vesselname/TEST%20NEW" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"
Response	```[
{
"vesselParticulars":{
"vesselName":" TEST NEW ",
"callSign":" ABCXYZ ",
"imoNumber":"1234567",
"flag":"GB"
},
"movementStartDateTime":"2012-07-12 06:30:00",
"movementEndDateTime":"2012-07-12 06:30:00",
"movementStatus":"C",
"movementType":"A",
"locationFrom":"SEAE",
"locationTo":"PEBGB",
"movementDraft":"114",
"movementHeight":"36"
}
]```

2.3.2   Vessel Movements by IMO Number

URL	http://sg-mdh-api.mpa.gov.sg/v1/vessel/movements/imonumber/{imonumber}			
Description	Provides the corresponding vessel movements information for the given vessel IMO number. The data is updated every 5 minutes.			
Update Freq.	5 mins			
Request Details				
	Name	Mandatory	Description	Sample
Parameters	imonumber	Yes	Should be in text format	1234567
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQGKwto
Response Details				
Attributes	Description	Sample		
vesselName	Name of the vessel	TEST NEW		
callSign	CallSign of the vessel	ABCXYZ		
imoNumber	IMO Number of the vessel	1234567		

flag	Country flag of the vessel	GB
movementStartDateTime	Movement start date and time	2014-04-23 11:45:00
movementEndDateTime	Movement end date and time	2014-04-23 12:15:00
movementStatus	Movement status	C
movementType	Movement type	D
locationFrom	Location from	AEHB
locationto	Location to	SEAW
movementDraft	Movement Draft	182
movementHeight	Movement Height	50

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/movements/imonumber/1234567" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	[S
	  {
	    "vesselParticulars":{
	      "vesselName":" TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"GB"
	    },
	    "movementStartDateTime":"2012-07-12 06:30:00",
	    "movementEndDateTime":"2012-07-12 06:30:00",
	    "movementStatus":"C",
	    "movementType":"A",
	    "locationFrom":"SEAE",
	    "locationTo":"PEBGB",
	    "movementDraft":"114",
	    "movementHeight":"36"
	  }
	]

2.3.3   Vessel Movements by CallSign

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/movements/callsign/{callsign}
Description	Provides the corresponding vessel movements information for the given vessel callsign. The data is updated every 5 minutes.
Update Freq.	5 mins
Request Details	
callsign	Yes	Should be in text format	ABCXYZ

Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWW QGKwto
Response Details				
Attributes	**Description**		**Sample**	
vesselName	Name of the vessel		TEST NEW	
callSign	CallSign of the vessel		ABCXYZ	
imoNumber	IMO Number of the vessel		1234567	
flag	Country flag of the vessel		GB	
movementStartDateTime	Movement start date		2014-04-23 11:45:00	
movementEndDateTime	Movement end date and time		2014-04-23 12:15:00	
movementStatus	Movement status		C	
movementType	Movement type		D	
locationFrom	Location from		AEHB	
locationto	Location to		SEAW	
movementDraft	Movement Draft		182	
movementHeight	Movement Height		50	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/movements/callsign/ABCXYZ" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"
Response	```[
{
"vesselParticulars":{
"vesselName":" TEST NEW",
"callSign":"ABCXYZ",
"imoNumber":"1234567",
"flag":"GB"
},
"movementStartDateTime":"2012-07-12 06:30:00",
"movementEndDateTime":"2012-07-12 06:30:00",
"movementStatus":"C",
"movementType":"A",
"locationFrom":"SEAE",
"locationTo":"PEBGB",
"movementDraft":"114",
"movementHeight":"36"
}
]```

2.4 Vessel Arrivals

The below are the different services exposed as APIs out of vessel arrivals dataset and all these APIs provide vessel arrivals information using the parameters like date and hours. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Vessel Arrivals by Date	Provides the corresponding vessels arrival information for the given date in yyyy-MM-dd format. The data is updated every hour.
2	Vessel Arrivals for Past 'N' Hours	Provides the corresponding vessels arrival information for the given date and time in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.

2.4.1 Vessel Arrivals by Date

URL	http://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivals/date/{yyyy-MM-dd}			
Description	Provides the corresponding vessels arrival information for the given date in yyyy-MM-dd format. The data is updated every hour.			
Update Freq.	1 hour			
Request Details				
	Name	Mandatory	Description	Sample
Parameters	date	Yes	Should be in date (yyyy-MM-dd) format	2018-06-22
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQ
Response Details				
Attributes	Description	Sample		
vesselName	Name of the vessel	TEST NEW		
callSign	CallSign of the vessel	ABCXYZ		
imoNumber	IMO Number of the vessel	1234567		
flag	Country flag of the vessel	PA		
arrivedTime	The arrival time of the vessel	2018-06-22 14:30:00		
locationFrom	Location from	SEAE		
locationto	Location to	PEBGA		

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivals/date/2018-06-22" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"PA"
	    },
	    "arrivedTime":"2018-06-22 14:30:00",
	    "locationFrom":"SEAE",
	    "locationto":"PEBGA"
	  }
	]

2.4.2   Vessel Arrivals for Past 'N' Hours

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivals/date/{yyyy-MM-dd%20HH:mm:ss}/hours/{hours}
Description	Provides the corresponding vessels arrival information for the given date and time in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.
Update Freq.	1 hour

Request Details				
	Name	Mandatory	Description	Sample
Parameters	date	Yes	Should be in date and time (yyyy-MM-dd HH:mm:ss)format	2018-06-22
	hours	Yes	Should be in number	6
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQ

Response Details		
Attributes	Description	Sample
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	PA
arrivedTime	The arrival time of vessel	2018-06-22 14:30:00
locationFrom	Location from	SEAE
locationto	Location to	PEBGA

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivals/date/2018-06-22%2016:00:00/hours/6" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	<pre>[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"PA"
	    },
	    "arrivedTime":"2018-06-22 11:16:00",
	    "locationFrom":"SEAE",
	    "locationto":"PEBGA"
	  }
	]</pre>

2.5   Vessels Due to Arrive

The below are the different services exposed as APIs out of vessel arrivals dataset and all these APIs provide vessels due to arrive information using the parameters like date and hours. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Vessels Due to Arrive by Date	Provides the corresponding vessels that are due to arrive information for the given date in yyyy-MM-dd format. The data is updated every hour.
2	Vessels Due to Arrive for Next 'N' Hours	Provides the corresponding vessels that are due to arrive information for the given date and time in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.

2.5.1   Vessels Due to Arrive by Date

URL	http://sg-mdh-api.mpa.gov.sg/v1/vessel/duetoarrive/date/{yyyy-MM-dd}			
Description	Provides the corresponding vessels that are due to arrive information for the given date in yyyy-MM-dd format. The data is updated every hour.			
Update Freq.	1 hour			
Request Details				
	Name	Mandatory	Description	Sample
Parameters	date	Yes	Should be in date (yyyy-MM-dd) format	2018-06-22
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
Attributes	Description	Sample		
vesselName	Name of the vessel	TEST NEW		
callSign	CallSign of the vessel	ABCXYZ		
imoNumber	IMO Number of the vessel	1234567		
Flag	Country flag of the vessel	PA		
duetoArriveTime	Vessel due to arrive time	2018-06-22 14:30:00		
locationFrom	Location from	SEAE		
Locationto	Location to	PEBGA		

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/duetoarrive/date/22-06-2018" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"01"
	    },
	    "duetoArriveTime":"2018-06-22 14:30:00",
	    "locationFrom":"SEAE",
	    "locationto":"PEBGA"
	  }
	]

2.5.2   Vessels Due to Arrive for Next 'N' Hours

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/duetoarrive/date/{yyyy-MM-dd%20HH:mm:ss}/hours/{hours}			
Description	Provides the corresponding vessels that are due to arrive information for the given date and time in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.			
Update Freq.	1 hour			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	date	Yes	Should be in date (yyyy-MM-dd HH:mm:ss)format	2018-06-22
	hours	Yes	Should be in number	6
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQ
Response Details				
Attributes	**Description**		**Sample**	
vesselName	Name of the vessel		TEST NEW	
callSign	CallSign of the vessel		ABCXYZ	
imoNumber	IMO Number of the vessel		1234567	
flag	Country flag of the vessel		PA	
duetoArriveTime	Vessel due to arrive time		2018-06-22 14:30:00	

locationFrom	Location from	SEAE
locationto	Location to	PEBGA

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/duetoarrive/date/2018-06-22%2016:00:00/hours/6" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	<pre>[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"01"
	    },
	    "duetoArriveTime":"2018-06-22 17:00:00",
	    "locationFrom":"SEAE",
	    "locationto":"PEBGA"
	  }
	]</pre>

2.6   Vessel Departures

The below are the different services exposed as APIs out of vessel departures dataset and all these APIs provide vessel departures information using the parameters like date and hours. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Vessel Departures by Date	Provides the corresponding vessel departures information for the given date in yyyy-MM-dd format. The data is updated every hour.
2	Vessel Departures for Past 'N' Hours	Provides the corresponding vessels departures information for the given date and time in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.

2.6.1   Vessel Departures by Date

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/departure/date/{yyyy-MM-dd}			
Description	Provides the corresponding vessel departures information for the given date in yyyy-MM-dd format. The data is updated every hour.			
Update Freq.	1 hour			
Request Details				
	Name	Mandatory	Description	Sample
Parameters	date	Yes	Should be in date (yyyy-MM-dd) format	2018-07-01
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
Attributes	Description	Sample		
vesselName	Name of the vessel	TEST NEW		
callSign	CallSign of the vessel	ABCXYZ		
imoNumber	IMO Number of the vessel	1234567		
flag	Country flag of the vessel	PA		
departedTime	Vessel departed time	2018-07-01 19:00:00		

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/departure/date/2018-07-01" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":" ABCXYZ ",
	      "imoNumber":"1234567",
	      "flag":"PA"
	    },
	    "departedTime":"2018-07-01 19:00:00"
	  }]

2.6.2   Vessel Departures for Past 'N' Hours

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/departure/date/{yyyy-MM-dd%20HH:mm:ss/hours/{hours}
Description	Provides the corresponding vessels departures information for the given date and time in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.
Update Freq.	1 hour

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	date	Yes	Should be in date and time (yyyy-MM-dd) HH:mm:ss) format	2018-07-01
	hours	Yes	Should be in number format	6
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	PA
departedTime	Vessel departed time	2018-07-01 19:00:00

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/departure/date/2018-07-01%2017:00:00/hours/5" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"
| Response | ```
[
  {
    "vesselParticulars":{
      "vesselName":"TEST NEW",
      "callSign":"ABCXYZ",
      "imoNumber":"1234567",
      "flag":"PA"
    },
    "departedTime":"2018-07-01 19:00:00"
  }
]
``` |

2.7   Vessels Due to Depart

The below are the different services exposed as APIs out of vessel departures dataset and all these APIs provide vessels due to depart information using the parameters like date and hours. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Vessels Due to Depart by Date	Provides the corresponding vessels that are due to depart information for the given date in yyyy-MM-dd format. The data is updated every hour.
2	Vessels Due to Depart for Next 'N' Hours	Provides the corresponding vessels that are due to depart for the given date and time in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.

2.7.1   Vessels Due to Depart by Date

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/duetodepart/date/{yyyy-MM-dd}			
Description	Provides the corresponding vessels that are due to depart information for the given date in yyyy-MM-dd format. The data is updated every hour.			
Update Freq.	1 hour			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	date	Yes	Should be in date (yyyy-MM-dd) format	2018-07-01
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
Attributes	**Description**	**Sample**		
vesselName	Name of the vessel	TEST NEW		
callSign	CallSign of the vessel	ABCXYZ		
imoNumber	IMO Number of the vessel	1234567		
flag	Country flag of the vessel	PA		
duetoDepart	Vessel due to depart	2018-07-01 19:00:00		

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/duetodepart/date/2018-07-01" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"PA"
	    },
	    " duetoDepart ":"2018-07-01 19:00:00"
	  }
	]

2.7.2   Vessels Due to Depart for Next 'N' Hours

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/duetodepart/date/{yyyy-MM-dd%20HH:mm:ss/hours/{hours}			
Description	Provides the corresponding vessels that are due to depart for the given date and time in yyyy-MM-dd HH:mm:ss format. The data is updated every hour.			
Update Freq.	1 hour			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	date	Yes	Should be in date (yyyy-MM-dd) HH:mm:ss) format	2018-07-01
	hours	Yes	Should be in number	6
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
Attributes	**Description**		**Sample**	
vesselName	Name of the vessel		TEST NEW	
callSign	CallSign of the vessel		ABCXYZ	
imoNumber	IMO Number of the vessel		1234567	
flag	Country flag of the vessel		PA	
duetoDepart	Vessel due to depart		2018-07-01 19:00:00	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/duetodepart/date/2018-07-01%2017:00:00/hours/5" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"
Response	```[{ "vesselParticulars":{ "vesselName":" TEST NEW ", "callSign":" ABCXYZ ", "imoNumber":"1234567", "flag":"PA" }, " duetoDepart ":"2018-07-01 19:00:00" }]```

2.8   SRS Certificate of Registry

The below are the different services exposed as APIs out of SRS Certificate of Registry dataset and all these APIs provides Singapore registered ships information using one of its parameters like certificate number/official number data. The individual API details can be found in coming sections.

S. No	API Name	Description
1	SRS Certificate of Registry by Certificate Number	Provides the corresponding Singapore registered ships certificate information for the given Certificate Number. The data is updated every hour.
2	SRS Certificate of Registry by Vessel Details	Provides the corresponding Singapore registered ships certificate information for the given vessel details. The data is updated every hour.

2.8.1   SRS Certificate of Registry by Certificate Number

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/srscor/certificatenumber/{certificatenumber}			
Description	Provides the corresponding Singapore registered ships certificate information for the given Certificate Number. The data is updated every hour.			
Update Freq.	Hourly			
Request Details				
	Name	Mandatory	Description	Sample
Parameters	certificatenumber	Yes	Should be in text format	COR-0000-00
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQG
Response Details				
Attributes	Description	Sample		
shipName	Ship name	TEST NEW		
imoNumber	IMO Number of the vessel	1234567		
registrationStatus	Registration status	P		
registrationDate	Registration Date	2016-12-14 00:00:00		
validityDate	Validity Date	2019-12-14 00:00:00		
dateOfClosure	Date of Closure	2019-12-15 00:00:00		
certificateNumber	Certificate Number	COR-0000-00		
issueDate	Issue Date	2018-03-20		

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET https://sg-mdh-api.mpa.gov.sg/v1/vessel/srscor/certificatenumber/COR-0000-00 -H 'apikey: j4w4tty4Lw4hAbWWQG
Response	```[{ "shipName": "TEST NEW", "imoNumber": "1234567", "registrationStatus": "P", "registrationDate": "2016-12-14 00:00:00", "validityDate": "2019-12-14 00:00:00", "dateOfClosure": "2019-12-15 00:00:00", "certificateNumber": "COR-0000-00", "issueDate": "2018-03-20" }]```

2.8.2   SRS Certificate of Registry by Vessel Details

URL	https://sg-mdh-api.mpa.gov.sg /v1/certificate/srscor/vesseldetails?officialnumber={officialnumber}&vesselname={vesselname}&registryportnumber={registryportnumber}&imonumber={imonumber}&callsign={callsign}
Description	Provides the corresponding Singapore registered ships certificate information for the given vessel details. The data is updated every hour.
Update Freq.	Hourly

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Query Params	officialnumber	Yes	Should be in text format	123456
	vesselname	Yes	Should be in test format	TEST NEW
	registryportnumber	Yes	Should be a number	9A8765
	imonumber	Either IMO Number or CallSign is mandatory	Should be a number	1234567
	callsign		Should be text	ABCXYZ
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQG
Response Details				

Attributes	Description	Sample
shipName	Ship name	TEST NEW
imoNumber	IMO Number of the vessel	1234567
registration Status	Registration status	P
registration Date	Registration Date	2016-12-14 00:00:00
validityDate	Validity Date	2019-12-14 00:00:00
dateOfClosure	Date of Closure	2019-12-15 00:00:00
certificateNumber	Certificate Number	COR-0000-00
issueDate	Issue Date	2018-03-20

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET https://sg-mdh-api.mpa.gov.sg /v1/vessel/srscor/vesseldetails?officialnumber=123456&vesselname=TEST%20NEW&registryportnumber=9A8765&imonumber=1234567&callsign=ABCXYZ -H 'apikey: j4w4tty4Lw4hAbWWQG

Response	```[
	  {
	    "shipName": "TEST NEW",
	    "imoNumber": "1234567",
	    "registrationStatus": "P",
	    "registrationDate": "2016-12-14 00:00:00",
	    "validityDate": "2019-12-14 00:00:00",
	    "dateOfClosure": "2019-12-15 00:00:00",
	    "certificateNumber": "COR-0000-00",
	    "issueDate": "2018-03-20"
	  }
	]```

2.9   Port Clearance Certificates

The below are the different services exposed as APIs out of port clearance dataset and all these APIs provide port clearance information using one of its parameters like name/IMO number/callsign data. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Port Clearance Certificate by Vessel Name	Provides the corresponding port clearance certs information for the given vessel name. The data is updated every hour.
2	Port Clearance Certificate by IMO Number	Provides the corresponding port clearance cert information for the given vessel IMO number. The data is updated every hour.
3	Port Clearance Certificate by CallSign	Provides the corresponding port clearance cert information for the given vessel callsign. The data is updated every hour.

2.9.1   Port Clearance Certificate by Vessel Name

URL	http:// sg-mdh-api.mpa.gov.sg /v1/vessel/portclearance/vesselname/{vesselname}?gdvno={gdvnumber}&certificateno={certificatenumber}			
Description	Provides the corresponding port clearance certs information for the given vessel name. The data is updated every hour.			
Update Freq.	Hourly			
Request Details				
	Name	Mandatory	Description	Sample
Parameters	Vesselname	Yes	Should be in text format	TEST NEW
	Gdvno	Yes	Should be a number	987654
	Certificateno	Yes	Should be alpha numeric	C12345
Headers	Apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQG
Response Details				
Attributes	Description	Sample		
vesselName	Name of the vessel	TEST NEW		
callSign	CallSign of the vessel	ABCXYZ		
imoNumber	IMO Number of the vessel	1234567		
flag	Country flag of the vessel	LR		
certificateNumber	Certificate number of the vessel	C12345		

status	Status	3
gdvNumber	GDV number of the certificate	987654
grossTonnage	Gross tonnage of the vessel	16881
cargo	Cargo	0
nextPortOfCall	Next port of call	ABC
nextPortOfCallCountry	Next port of call country	XYZ
dateAndTimeOfDeparture	Date and time of departure	2008-01-12 20:00:00
dateAndTimeOfIssue	Date and time of certificate issue	2008-01-12 20:00:00
expiryDateAndTimeOfPortCertificate	Expiry date and time of port certificate	2008-01-14 04:50:00
nameOfMaster	Master name	NEW MAN

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET https://sg-mdh-api.mpa.gov.sg/v1/vessel/portclearance/vesselname/TEST%20NEW?gdvno=987654&certificateno=C12345 -H 'apikey: j4w4tty4Lw4hAbWWQG
| Response | ```
[
  {
    "vesselParticulars": {
      "vesselName": "TEST NEW",
      "callSign": "ABCXYZ",
      "imoNumber": "1234567",
      "flag": "LR"
    },
    "certificateNumber": "C12345",
    "status": "3",
    "gdvNumber": "987654",
    "grossTonnage": 16881,
    "cargo": 0,
    "nextPortOfCall": "ABC",
    "nextPortOfCallCountry": "XYZ",
    "dateAndTimeOfDeparture": "2008-01-12 20:00:00",
    "dateAndTimeOfIssue": "2008-01-12 20:00:00",
    "expiryDateAndTimeOfPortCertificate": "2008-01-14 04:50:00",
    "nameOfMaster": "NEW MAN"
  }
]
``` |

2.9.2   Port Clearance Certificate by IMO Number

URL	http://sg-mdh-api.mpa.gov.sg/v1/vessel/portclearance/imonumber/{imonumber}?gdvno={gdvnumber}&certificateno={certificatenumber}
Description	Provides the corresponding port clearance cert information for the given vessel IMO number. The data is updated every hour.
Update Freq.	Hourly

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	imonumber	Yes	Should be a number	1234567
	gdvno	Yes	Should be a number	987654
	certificateno	Yes	Should be alpha numeric	C12345
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQG

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	LR
certificateNumber	Certificate number of the vessel	C12345
status	status	3
gdvNumber	GDV number of the certificate	987654
grossTonnage	Gross tonnage of the vessel	16881
cargo	Cargo	0
nextPortOfCall	Next port of call	ABC
nextPortOfCallCountry	Next port of call country	XYZ
dateAndTimeOfDeparture	Date and time of departure	2008-01-12 20:00:00
dateAndTimeOfIssue	Date and time of certificate issue	2008-01-12 20:00:00

expiryDateAndTimeOfPortCertificate	Expiry date and time of port certificate	2008-01-14 04:50:00
nameOfMaster	Master name	NEW MAN

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET https://sg-mdh-api.mpa.gov.sg/v1/vessel/portclearance/imonumber/1234567?gdvno=987654&certificateno=C12345 -H 'apikey: j4w4tty4Lw4hAbWWQG'

Response	```[
	  {
	    "vesselParticulars": {
	      "vesselName": "TEST NEW",
	      "callSign": "ABCXYZ",
	      "imoNumber": "1234567",
	      "flag": "LR"
	    },
	    "certificateNumber": "C12345",
	    "status": "3",
	    "gdvNumber": "987654",
	    "grossTonnage": 16881,
	    "cargo": 0,
	    "nextPortOfCall": "ABC",
	    "nextPortOfCallCountry": "XYZ",
	    "dateAndTimeOfDeparture": "2008-01-12 20:00:00",
	    "dateAndTimeOfIssue": "2008-01-12 20:00:00",
	    "expiryDateAndTimeOfPortCertificate": "2008-01-14 04:50:00",
	    "nameOfMaster": "NEW MAN"
	  }
	]```

2.9.3 Port Clearance Certificate by CallSign

URL	http://sg-mdh-api.mpa.gov.sg/v1/vessel/portclearance/callsign/{callsign}?gdvno={gdvnumber}&certificateno={certificatenumber}			
Description	Provides the corresponding port clearance cert information for the given vessel callsign. The data is updated every hour.			
Update Freq.	Hourly			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	callsign	Yes	Should be a string	ABCXYZ

	gdvno	Yes	Should be a number	987654
	certificat eno	Yes	Should be alpha numeric	C12345
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQG

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	LR
certificateN umber	Certificate number of the vessel	C12345
status	status	3
gdvNumber	gdv number of the certificate	987654
grossTonnag e	Gross tonnage of the vessel	16881
cargo	Cargo	0
nextPortOfC all	Next port of call	ABC
nextPortOfC allCountry	Next port of call country	XYZ
dateAndTim eOfDepartur e	Date and time of departure	2008-01-12 20:00:00
dateAndTim eOfIssue	Date and time of certificate issue	2008-01-12 20:00:00
expiryDateA ndTimeOfPo rtCertificate	Expiry date and time of port certificate	2008-01-14 04:50:00
nameOfMas ter	Master name	NEW MAN

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET https://sg-mdh-api.mpa.gov.sg/v1/vessel/portclearance/callsign/ABCXYZ?gdvno=987654&certific ateno=C12345 -H 'apikey: j4w4tty4Lw4hAbWWQG'
Response	[

```
    {
       "vesselParticulars": {
          "vesselName": "TEST NEW",
          "callSign": "ABCXYZ",
          "imoNumber": "1234567",
          "flag": "LR"
       },
       "certificateNumber": "C12345",
       "status": "3",
       "gdvNumber": "987654",
       "grossTonnage": 16881,
       "cargo": 0,
       "nextPortOfCall": "ABC",
       "nextPortOfCallCountry": "XYZ",
       "dateAndTimeOfDeparture": "2008-01-12 20:00:00",
       "dateAndTimeOfIssue": "2008-01-12 20:00:00",
       "expiryDateAndTimeOfPortCertificate": "2008-01-14 04:50:00",
       "nameOfMaster": "NEW MAN"
    }
]
```

2.10   Vessel Arrival Declarations

The below are the different services exposed as APIs out of vessel arrival declaration dataset and all these APIs provides vessel arrival declaration information using one of its parameters like vessel name/IMO number/callsign/date/datetime and hours data. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Vessel Arrival Declaration by Vessel Name	Provides the corresponding vessel arrival declaration information for the given vessel name. The data is updated every hour.
2	Vessel Arrival Declaration by IMO Number	Provides the corresponding vessel arrival declaration information for the given vessel IMO number. The data is updated every hour.
3	Vessel Arrival Declaration by Callsign	Provides the corresponding vessel arrival declaration information for the given vessel callsign. The data is updated every hour.
4	Vessel Arrival Declaration by Date	Provides the corresponding vessel arrival declaration information for the given date. The data is updated every hour.
5	Vessel Arrival Declaration for Past 'N' Hours	Provides the corresponding vessels arrival declaration information for the given date and time. The data is updated every hour.

2.10.1   Vessel Arrival Declaration by Vessel Name

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/vesselname/{vesselname}			
Description	Provides the corresponding vessel arrival declaration information for the given vessel name. The data is updated every hour.			
Update Freq.	1 hour			
Request Details				
	Name	Mandatory	Description	Sample
Parameters	vesselname	Yes	Should be in text format	TEST NEW
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
Attributes	Description		Sample	
vesselName	Name of the vessel		TEST NEW	
callSign	CallSign of the vessel		ABCXYZ	
imoNumber	IMO Number of the vessel		1234567	
flag	Country flag of the vessel		SG	

location	Location of the vessel	RAFFLES
grid	Grid of the vessel	4412D
purpose	The purpose field is a comma-separate value (CSV) field, where each value is a Yes(Y)/No(N) indicator in the following sequence #1 indicator – Loading / Unloading Cargo #2 indicator – Loading / Unloading Passengers #3 indicator – Taking Bunker #4 indicator – Taking Ship Supplies #5 indicator – Changing Crew #6 indicator – Shipyard Repair #7 indicator – Offshore Support #8 indicator – Not Used #9 indicator – Other Afloat Activities	Y,Y,Y,Y,N,N,N,N,N
agent	Agent of the vessel	ABC123
reportedArrivalTime	The reported arrival time	2014-06-04 10:47:00

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/vesselname/TEST%20NEW" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	```[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"SG"
	    },
	    "location":"RAFFLES ",
	    "grid":"4412D",
	    "purpose":" Y,Y,Y,Y,N,N,N,N,N ",
	    "agent":"ABC123",
	    "reportedArrivalTime":"2014-06-04 10:47:00"```

}]	

2.10.2 Vessel Arrival Declaration by IMO Number

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/imonumber/{imonumber}
Description	Provides the corresponding vessel arrival declaration information for the given vessel IMO number. The data is updated every hour.
Update Freq.	1 hour

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	imonumber	Yes	Should be in text format	1234567
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	SG
location	Location of the vessel	RAFFLES
grid	Grid of the vessel	4412D
purpose	The purpose field is a comma-separate value (CSV) field, where each value is a Yes(Y)/No(N) indicator in the following sequence #1 indicator – Loading / Unloading Cargo #2 indicator – Loading / Unloading Passengers #3 indicator – Taking Bunker #4 indicator – Taking Ship Supplies #5 indicator – Changing Crew	Y,Y,Y,Y,N,N,N,N,N

	#6 indicator – Shipyard Repair #7 indicator – Offshore Support #8 indicator – Not Used #9 indicator – Other Afloat Activities	
agent	Agent of the vessel	ABC123
reportedArrivalTime	The reported arrival time	2014-06-04 10:47:00

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/imonumber/1234567" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	```
	[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"SG"
	    },
	    "location":"RAFFLES",
	    "grid":"4412D",
	    "purpose":" Y,Y,Y,Y,N,N,N,N,N ",
	    "agent":"ABC123",
	    "reportedArrivalTime":"2014-06-04 10:47:00"
	  }
	]
	``

2.10.3   Vessel Arrival Declaration by CallSign

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/callsign/{callsign}			
Description	Provides the corresponding vessel arrival declaration information for the given vessel callsign. The data is updated every hour.			
Update Freq.	1 hour			
Request Details				
	Name	Mandatory	Description	Sample
Parameters	callsign	Yes	Should be in text format	ABCXYZ
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbGKwto

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	SG
location	Location of the vessel	RAFFLES
grid	Grid of the vessel	4412D
purpose	The purpose field is a comma-separate value (CSV) field, where each value is a Yes(Y)/No(N) indicator in the following sequence #1 indicator – Loading / Unloading Cargo #2 indicator – Loading / Unloading Passengers #3 indicator – Taking Bunker #4 indicator – Taking Ship Supplies #5 indicator – Changing Crew #6 indicator – Shipyard Repair #7 indicator – Offshore Support #8 indicator – Not Used #9 indicator – Other Afloat Activities	Y,Y,Y,Y,N,N,N,N,N
agent	Agent of the vessel	XYZ123
reportedArrivalTime	The reported arrival time	2014-06-04 10:47:00

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/callsign/ABCXYZ" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	```[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"SG"
	    },
	    "location":"RAFFLES",
	    "grid":"4412D",
	    "purpose":" Y,Y,Y,Y,N,N,N,N,N ",
	    "agent":"XYZ123",
	    "reportedArrivalTime":"2014-06-04 10:47:00"
	  }
	]```

2.10.4   Vessel Arrival Declaration by Date

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/bydate?date={yyyy-MM-dd}			
Description	Provides the corresponding vessel arrival declaration information for the given date. The data is updated every hour.			
Update Freq.	1 hour			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	date	Yes	Should be in yyyy-MM-dd format	2014-06-04
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
Attributes	**Description**		**Sample**	
vesselName	Name of the vessel		TEST NEW	
callSign	CallSign of the vessel		ABCXZY	
imoNumber	IMO Number of the vessel		1234567	
flag	Country flag of the vessel		SG	

location	Location of the vessel	RAFFLES
grid	Grid of the vessel	4412D
purpose	The purpose field is a comma-separate value (CSV) field, where each value is a Yes(Y)/No(N) indicator in the following sequence #1 indicator – Loading / Unloading Cargo #2 indicator – Loading / Unloading Passengers #3 indicator – Taking Bunker #4 indicator – Taking Ship Supplies #5 indicator – Changing Crew #6 indicator – Shipyard Repair #7 indicator – Offshore Support #8 indicator – Not Used #9 indicator – Other Afloat Activities	Y,Y,Y,Y,N,N,N,N,N
agent	Agent of the vessel	XYZ123
reportedArrivalTime	The reported arrival time of the vessel	2014-06-04 10:47:00

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/bydate?date=2014-06-04" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	```
	[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"SG"
	    },
	``

```
        "location":"RAFFLES",
        "grid":"4412D",
        "purpose":" Y,Y,Y,Y,N,N,N,N,N ",
        "agent":"XYZ123",
        "reportedArrivalTime":"2014-06-04 10:47:00"
    }
]
```

2.10.5   Vessel Arrival Declaration for Past 'N' Hours

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/pastNhours?date={yyyy-MM-dd%20HH:mm:ss}&hours={hours}
Description	Provides the corresponding vessels arrival declaration information for the given date and time. The data is updated every hour.
Update Freq.	1 hour

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	datetime	Yes	Should be in yyyy-MM-dd HH:mm:ss format	2014-04-12 23:59:00
	Hours	Yes	Number of hours	11
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	SG
location	Location of the vessel	RAFFLES
grid	Grid of the vessel	4412D
purpose	The purpose field is a comma-separate value (CSV) field, where each value is a Yes(Y)/No(N) indicator in the following sequence	Y,Y,Y,Y,N,N,N,N,N

	#1 indicator – Loading / Unloading Cargo #2 indicator – Loading / Unloading Passengers #3 indicator – Taking Bunker #4 indicator – Taking Ship Supplies #5 indicator – Changing Crew #6 indicator – Shipyard Repair #7 indicator – Offshore Support #8 indicator – Not Used #9 indicator – Other Afloat Activities	
agent	Agent of the vessel	XYZ123
reportedArrivalTime	The reported arrival time of the vessel	2014-06-04 10:47:00

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/pastNhours?datetime=2014-06-04%2012%3A59%3A00&hours=11" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	```[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"SG"
	    },
	    "location":"RAFFLES",
	    "grid":"4412D",
	    "purpose":" Y,Y,Y,Y,N,N,N,N,N ",
	    "agent":"XYZ123",
	    "reportedArrivalTime":"2014-06-04 10:47:00"
	  }
	]```

2.10.6   Latest Vessel Arrival Declaration by Vessel Name

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/last/vesselname/{vesselname}
Description	Provides the corresponding latest vessel arrival declaration information for the given vessel name. The data is updated every hour.
Update Freq.	1 hour

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	vesselname	Yes	Should be in text format	TEST NEW
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	SG
location	Location of the vessel	RAFFLES
grid	Grid of the vessel	4412D
purpose	The purpose field is a comma-separate value (CSV) field, where each value is a Yes(Y)/No(N) indicator in the following sequence #1 indicator – Loading / Unloading Cargo #2 indicator – Loading / Unloading Passengers #3 indicator – Taking Bunker #4 indicator – Taking Ship Supplies #5 indicator – Changing Crew #6 indicator – Shipyard Repair #7 indicator – Offshore Support #8 indicator – Not Used	Y,Y,Y,Y,N,N,N,N,N

	#9 indicator – Other Afloat Activities	
agent	Agent of the vessel	ABC123
reportedArrivalTime	The reported arrival time	2014-06-04 10:47:00

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/arrivaldeclaration/last/vesselname/TEST%20NEW" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"

Response	```
	[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"SG"
	    },
	    "location":"RAFFLES ",
	    "grid":"4412D",
	    "purpose":" Y,Y,Y,Y,N,N,N,N,N ",
	    "agent":"ABC123",
	    "reportedArrivalTime":"2014-06-04 10:47:00"
	  }
	]
	``

2.11   Vessel Departure Declarations

The below are the different services exposed as APIs out of vessel departure declaration dataset and all these APIs provides vessel departure declaration information using one of its parameters like vessel name/IMO number/callsign/date/datetime and hours data. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Vessel Departure Declaration by Vessel Name	Provides the corresponding vessel departure declaration information for the given vessel name. The data is updated every hour.
2	Vessel Departure Declaration by IMO Number	Provides the corresponding vessel departure declaration information for the given vessel IMO number. The data is updated every hour.
3	Vessel Departure Declaration by CallSign	Provides the corresponding vessel departure declaration information for the given vessel callsign. The data is updated every hour.

4	Vessel Departure Declaration by Date	Provides the corresponding vessel departure declaration information for the given date. The data is updated every hour.
5	Vessel Departure Declaration for Past 'N' Hours	Provides the corresponding vessels departure declaration information for the given date and time. The data is updated every hour.

2.11.1 Vessel Departure Declaration by Vessel Name

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/departuredeclaration/vesselname/{vesselname}			
Description	Provides the corresponding vessel departure declaration information for the given vessel name. The data is updated every hour.			
Update Freq.	1 hour			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	vesselname	Yes	Should be in text format	TEST NEW
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbGKwto
Response Details				
Attributes	**Description**		**Sample**	
vesselName	Name of the vessel		TEST NEW	
callSign	CallSign of the vessel		ABCXYZ	
imoNumber	IMO Number of the vessel		1234567	
flag	Country flag of the vessel		PA	
agent	Agent		XYZ123	
nextPort	Next port		BATA	
reportedArrivalTime	Reported arrival time		2014-06-02 06:35:00	
reportedDepartureTime	Reported departure time		2014-11-15 01:46:00	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/departuredeclaration/vesselname/TEST%20NEW" -H "apikey: j4w4tty4Lw4hAbWGKwto"

Response	[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",

```
            "imoNumber":"1234567",
            "flag":"PA"
          },
          "agent":"XYZ123",
          "nextPort":"BATA",
          "reportedArrivalTime":"2014-06-02 06:35:00",
          "reportedDepartureTime":"2014-11-15 01:46:00"
        }
      ]
```

2.11.2   Vessel Departure Declaration by IMO Number

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/departuredeclaration/imonumber/{imonumber}
Description	Provides the corresponding vessel departure declaration information for the given vessel IMO number. The data is updated every hour.
Update Freq.	1 hour

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	imonumber	Yes	Should be in text format	1234567
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbG

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	PA
agent	Agent	XYZ123
nextPort	Next port	BATA
reportedArrivalTime	Reported arrival time	2014-06-02 06:35:00
reportedDepartureTime	Reported departure time	2014-11-15 01:46:00

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/departuredeclaration/imonumber/1234567" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"
Response	[

```
{
    "vesselParticulars":{
        "vesselName":"TEST NEW",
        "callSign":"ABCXYZ",
        "imoNumber":"1234567",
        "flag":"PA"
    },
    "agent":"XYZ123",
    "nextPort":"BATA",
    "reportedArrivalTime":"2014-06-02 06:35:00",
    "reportedDepartureTime":"2014-11-15 01:46:00"
}
]
```

2.11.3 Vessel Departure Declaration by CallSign

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/departuredeclaration/callsign/{callsign}
Description	Provides the corresponding vessel departure declaration information for the given vessel callsign. The data is updated every hour.
Update Freq.	1 hour

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	callsign	Yes	Should be in text format	1234567
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbGKwto

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	PA
agent	Agent	XYZ123
nextPort	Next port	BATA
reportedArrivalTime	Reported arrival time	2014-06-02 06:35:00
reportedDepartureTime	Reported departure time	2014-11-15 01:46:00

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/departuredeclaration/callsign/ABCXYZ" -H "apikey: j4w4tty4Lw4hAbWWQGKwto"
Response	```[{ "vesselParticulars":{ "vesselName":"TEST NEW", "callSign":"ABCXYZ", "imoNumber":"1234567", "flag":"PA" }, "agent":"XYZ123", "nextPort":"BATA", "reportedArrivalTime":"2014-06-02 06:35:00", "reportedDepartureTime":"2014-11-15 01:46:00" }]```

2.11.4   Vessel Departure Declaration by Date

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/departuredeclaration/bydate?date={yyyy-MM-dd}
Description	Provides the corresponding vessel departure declaration information for the given date. The data is updated every hour.
Update Freq.	1 hour

Request Details				
	Name	Mandatory	Description	Sample
Parameters	date	Yes	Should be in yyyy-MM-dd format	2014-06-04
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ

Response Details		
Attributes	Description	Sample
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	PA
agent	Agent	XYZ123
nextPort	Next port	BATA
reportedArrivalTime	Reported arrival time	2014-06-02 06:35:00
reportedDepartureTime	Reported departure time	2014-11-15 01:46:00

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/departuredeclaration/bydate?date=2014-09-03" -H "apikey: j4w4tty4Lw4hAbWwto"

Response	[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",

```
        "flag":"PA"
      },
      "agent":"XYZ123",
      "nextPort":"BATA",
      "reportedArrivalTime":"2014-06-02 06:35:00",
      "reportedDepartureTime":"2014-11-15 01:46:00"
   }
]
```

2.11.5 Vessel Departure Declaration for Past 'N' Hours

URL	https://sg-mdh-api.mpa.gov.sg/v1/vessel/departuredeclaration/pastNhours?date={yyyy-MM-dd%20HH:mm:ss}&hours={hours}
Description	Provides the corresponding vessels departure declaration information for the given date and time. The data is updated every hour.
Update Freq.	1 hour

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Parameters	Datetime	Yes	Should be in yyyy-MM-dd HH:mm:ss format	2014-04-12 23:59:00
	Hours	Yes	Number of hours	11
Headers	Apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ

Response Details		
Attributes	**Description**	**Sample**
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the vessel	1234567
flag	Country flag of the vessel	PA
agent	Agent	XYZ123
nextPort	Next port	BATA
reportedArrivalTime	Reported arrival time	2014-06-02 06:35:00
reportedDepartureTime	Reported departure time	2014-11-15 01:46:00

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/departuredeclaration/pastNhours?datetime=2014-09-03%2000%3A00%3A00&hours=23" -H "apikey: j4w4tty4L4hAbWWQGKwto"

Response	```
	[
	  {
	    "vesselParticulars":{
	      "vesselName":"TEST NEW",
	      "callSign":"ABCXYZ",
	      "imoNumber":"1234567",
	      "flag":"PA"
	    },
	    "agent":"XYZ123",
	    "nextPort":"BATA",
	    "reportedArrivalTime":"2014-06-02 06:35:00",
	    "reportedDepartureTime":"2014-11-15 01:46:00"
	  }
	]
	``

2.12   Vessel Types

The below are the different services exposed as APIs out of vessel type dataset and all these APIs provides vessel type information. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Vessel Type Data In Json Format	Provides the corresponding vessel type lookup data in json format. The data is updated every day.
2	Vessel Type Data In Zipped Json Format	Provides the corresponding vessel type lookup data in zipped json format. The data is updated every day.
3	Vessel Type Data In Zipped CSV Format	Provides the corresponding vessel type lookup data in zipped csv format. The data is updated every day.

2.12.1   Vessel Type Data In Json Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/types/filetype/json			
Description	Provides the corresponding vessel type lookup data in json format. The data is updated every day.			
Update Freq.	Daily			
Request Details				
	Name	Mandatory	Description	Sample
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
	Name	Description	Sample	
Headers	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/vesselTypes/VESSELTYPES_REF_JSON.json	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/types/filetype/json"	
Response Header	Key	Value
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/vesselTypes/VESSELTYPES_REF_JSON.json

2.12.2   Vessel Type Data In Zipped Json Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/types/filetype/jsonzip
Description	Provides the corresponding vessel type lookup data in zipped json format. The data is updated every day.

Update Freq.	Daily			
Request Details				
Headers	**Name**	**Mandatory**	**Description**	**Sample**
	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
Headers	**Name**	**Description**	**Sample**	
	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/vesselTypes/VESSELTYPES_REF_JSON.zip	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/types/filetype/jsonzip"	
Response Header	**Key**	**Value**
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/vesselTypes/VESSELTYPES_REF_JSON.zip

2.12.3 Vessel Type Data In Zipped Csv Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/types/filetype/csvzip			
Description	Provides the corresponding vessel type lookup data in zipped csv format. The data is updated every day.			
Update Freq.	Daily			
Request Details				
Headers	**Name**	**Mandatory**	**Description**	**Sample**
	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQ GKwto
Response Details				
Headers	**Name**	**Description**	**Sample**	
	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/vesselTypes/VESSELTYPES_REF_CSV.zip	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/types/filetype/csvzip"	
Response Header	**Key**	**Value**
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/vesselTypes/VESSELTYPES_REF_CSV.zip

2.13   Location Codes

The below are the different services exposed as APIs out of location codes dataset and all these APIs provides location codes information. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Location Codes Data In Json Format	Provides the corresponding location codes lookup data in json format. The data is updated every day.
2	Location Codes Data In Zipped Json Format	Provides the corresponding location codes lookup data in zipped json format. The data is updated every day.
3	Location Codes Data In Zipped CSV Format	Provides the corresponding location codes lookup data in zipped csv format. The data is updated every day.

2.13.1   Location Codes Data In Json Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/locations/filetype/json			
Description	Provides the corresponding location codes lookup data in json format. The data is updated every day.			
Update Freq.	Daily			
Request Details				
	Name	Mandatory	Description	Sample
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQGKwto
Response Details				
	Name	Description	Sample	
Headers	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/location/LOCATION_REF_JSON.json	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/locations/filetype/json"	
Response Header	Key	Value
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/location/LOCATION_REF_JSON.json

2.13.2   Location Codes Data In Zipped Json Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/locations/filetype/jsonzip
Description	Provides the corresponding location codes lookup data in zipped json format. The data is updated every day.

Update Freq.	Daily			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
	Name	**Description**	**Sample**	
Headers	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/location/LOCATION_REF_JSON.zip	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/locations/filetype/jsonzip"	
Response Header	**Key**	**Value**
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/location/LOCATION_REF_JSON.zip

2.13.3   Locations Code Data In Zipped CSV Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/locations/filetype/csvzip			
Description	Provides the corresponding location codes lookup data in zipped csv format. The data is updated every day.			
Update Freq.	Daily			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw80hAbWWQ
Response Details				
	Name	**Description**	**Sample**	
Headers	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/location/LOCATION_REF_CSV.zip	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/locations/filetype/csvzip"	
Response Header	**Key**	**Value**
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/location/LOCATION_REF_CSV.zip

2.14   Country Codes

The below are the different services exposed as APIs out of country dataset and all these APIs provides country codes information. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Country Codes Data In Json Format	Provides the corresponding country codes lookup data in json format. The data is updated every day.
2	Country Codes Data In Zipped Json Format	Provides the corresponding country codes lookup data in zipped json format. The data is updated every day.
3	Country Codes Data In Zipped CSV Format	Provides the corresponding country codes lookup data in zipped csv format. The data is updated every day.

2.14.1   Country Codes Data In Json Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/countries/filetype/json			
Description	Provides the corresponding country codes lookup data in json format. The data is updated every day.			
Update Freq.	Daily			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQGKwto
Response Details				
	Name	**Description**	**Sample**	
Headers	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/countries/COUNTRIES_REF_JSON.json	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/countries/filetype/json"	
Response Header	**Key**	**Value**
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/countries/COUNTRIES_REF_JSON.json

2.14.2   Country Codes Data In Zipped Json Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/countries/filetype/jsonzip
Description	Provides the corresponding country codes lookup data in zipped json format. The data is updated every day.

Update Freq.	Daily			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQGKwto
Response Details				
	Name	**Description**	**Sample**	
Headers	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/countries/COUNTRIES_REF_JSON.zip	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/countries/filetype/jsonzip"	
Response Header	**Key**	**Value**
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/countries/COUNTRIES_REF_JSON.zip

2.14.3   Country Codes Data In Zipped CSV Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/countries/filetype/csvzip			
Description	Provides the corresponding country codes lookup data in zipped csv format. The data is updated every day.			
Update Freq.	Daily			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQ
Response Details				
	Name	**Description**	**Sample**	
Headers	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/countries/COUNTRIES_REF_CSV.zip	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/countries/filetype/csvzip"	
Response Header	**Key**	**Value**
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/countries/COUNTRIES_REF_CSV.zip

2.15   Port Codes

The below are the different services exposed as APIs out of port codes dataset and all these APIs provides port code information. The individual API details can be found in coming sections.

S. No	API Name	Description
1	Port Codes Data In Json Format	Provides the corresponding port codes lookup data in json format. The data is updated every day.
2	Port Codes Data In Zipped Json Format	Provides the corresponding port codes lookup data in zipped json format. The data is updated every day.
3	Port Codes Data In Zipped CSV Format	Provides the corresponding port codes lookup data in zipped csv format. The data is updated every day.

2.15.1   Port Codes Data In Json Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/ports/filetype/json			
Description	Provides the corresponding port codes lookup data in json format. The data is updated every day.			
Update Freq.	Daily			
Request Details				
	Name	Mandatory	Description	Sample
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQGKwto
Response Details				
	Name	Description	Sample	
Headers	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/ports/PORTS_REF_JSON.json	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/ports/filetype/json"	
Response Header	Key	Value
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/ports/PORTS_REF_JSON.json

2.15.2   Port Codes Data in Zipped Json Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/ports/filetype/jsonzip
Description	Provides the corresponding port codes lookup data in zipped json format. The data is updated every day.
Update Freq.	Daily

Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQGKwto

Response Details		
	Name	**Description**	**Sample**
Headers	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/ports/PORTS_REF_JSON.zip

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/ports/filetype/jsonzip"	
Response Header	**Key**	**Value**
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/ports/PORTS_REF_JSON.zip

2.15.3   Port Codes Data in Zipped CSV Format

URL	https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/ports/filetype/csvzip			
Description	Provides the corresponding port codes lookup data in zipped csv format. The data is updated every day.			
Update Freq.	Daily			
Request Details				
	Name	**Mandatory**	**Description**	**Sample**
Headers	apikey	Yes	This is the consumer key of the approved App created in the Developer Portal.	j4w4tty4Lw4hAbWWQGKwto
Response Details				
Headers	**Name**	**Description**	**Sample**	
	location	Location of the file	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/ports/PORTS_REF_CSV.zip	

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GET --header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/ports/filetype/csvzip"	
Response Header	**Key**	**Value**
	Location	https://mdh-production-app-data.s3-ap-southeast-1.amazonaws.com/lookup/ports/PORTS_REF_CSV.zip

3.   Error Codes Mapping

The following are the different HTTP error codes which have been handled and provided the meaningful response. The sample error message can be found in the coming sections of the document.

Error Code	Reason Phrase	Description
400	Bad Request	Invalid or missing request parameters
401	Unauthorized	Invalid or no credentials passed in the request
403	forbidden	Authorization credentials passed and accepted but account does not have permission
404	Not Found	The requested URI does not exist
405	Method not allowed	The requested resource does not support the supplied verb
409	Conflict	The request is not unique.
415	Unsupported Media Type	API does not support the requested content type.
422	Unpossessable Entity	The request is formed correctly, but due to some condition the request cannot be processed.
500	Internal Server Error	An internal error occurred when processing the request.
503	Service Unavailable	The service requested is currently unavailable.

3.1 Error Response format

Status Code	401 Unauthorized	Failed

Response Body	{
	  "error":{
	    "code":"401",
	    "message":"Invalid apikey has been passed, please try with valid one",
	    "timestamp":"Thu, 15 Nov 2018 03:32:40 UTC"
	  }
	}	

4.   List of Terms and Abbreviations

Mention all abbreviations/terminologies used in this document or by the integration. Below is an example of abbreviations which should be replaced with the relevant ones.

API	Application Programming Interface
URI	Uniform Resource Identifier
HTTP	Hypertext Transfer Protocol
HTTPS	HTTP over TLS
JSON	JavaScript Object Notation
REST	Representational State Transfer