



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	8 May 2019
	- Minor revisions (typo errors)	
1.2	- Included more details for Singapore flagged ships in	24 June 2019
	the Vessel Particulars API	
	- Updated the frequency of the APIs	
	- Minor revisions (typo errors)	
1.3	- Two new APIs, Port Clearances and SRS Certificate	19 October 2020
	of Registry	
	- Minor revisions (typo errors)	
1.4	Two new API, latest vessel arrival declaration and	13 April 2021
	vessel particulars search by charset	



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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.

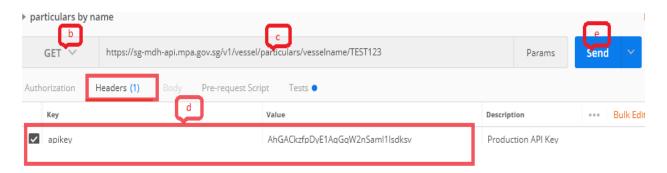


Figure 2-1

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	Provides the corresponding vessel particulars information for
	by Name	the given vessel name. The data is updated every 6 hours.
2	Vessel Particulars	Provides the corresponding vessel particulars information for
	by IMO Number	the given vessel IMO number. The data is updated every 6
		hours.
3	Vessel Particulars	Provides the corresponding vessel particulars information for
	by CallSign	the given vessel callsign. The data is updated every 6 hours.
4	List of Vessel	Provides the corresponding List of vessel particulars
	Particulars by	information (imo number and vessel name) for the given
	charset	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	g vessel particulars	information for the
	given vessel	name. The dat	a is updated every	6 hours.
Update Freq.	6 hours			
		Request	Details	
	Name	Mandatory	Description	Sample
Parameters	vesselname	Yes	Should be in	TEST NEW
			text format	
Headers	apikey	Yes	This is the	j4w4tty4Lw80hAbWWQ
			consumer key	
			of the approved	
			App created in	
			the Developer	
			Portal.	
		Respons	e Details	
Attributes	Descr	iption		Sample
vesselName	Name of the	vessel	TEST NEW	
callSign	CallSign of th	ne vessel	ABCXYZ	
imoNumber	IMO Number	r of the	1234567	
	vessel			
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 v		TANKER	



grosstonnage	Gross tonnage of the vessel	11840
	10000	
nettonnage	Net tonnage of the vessel	22988
deadweight	Dead weight of the	39860
	vessel	
mmsiNumber	MMSI number of the	0
	vessel	
yearBuilt	The year in which the	1974
	vessel has been build	
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

```
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



	T	T = -	Τ	
	Name	Mandatory	Description	Sample
Parameters	imonumber	Yes	Should be in	1234567
			text format	
Headers	apikey	Yes	This is the	j4w4tty4Lw80hAbWWQ
			consumer key	
			of the	
			approved App	
			created in the	
			Developer	
			Portal.	
		Response	Details	
Attributes	Descr	•		Sample
vesselName	Name of the		TEST NEW	
callSign	CallSign of the		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		11840	
	vessel			
nettonnage	Net tonnage	of the vessel	22988	
Deadweight	Dead weight		39860	
mmsiNumber	MMSI numbe	er of the	0	
	vessel			
yearBuilt	The year in which the		1974	
	vessel has be	en build		
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	

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

	1				
URL	https://sg-mdh-				
	api.mpa.gov.sg/v1/vessel/particulars/callsign/{callsign}				
Description	Provides the corresponding vessel particulars information for the				
	given ves	given vessel callsign. The data is updated every 6 hours.			
Update Freq.	6 hours				
		Reques	st Details		
	Name	Mandatory	Description	Sample	
Parameters	callsign	Yes	Should be in text	ABCXYZ	
			format		
Headers	apikey	Yes	This is the	j4w4tty4Lw80hAbWWQ	
			consumer key of		
			the approved App		
			created in the		
			Developer Portal.		
	Response Details				
Attributes	Description		Sample		
vesselName	Name of the vessel		TEST NEW		
callSign	CallSign of the vessel		ABCXYZ		
imoNumber	IMO Number of the		1234567		
	vessel				
flag	Country flag of the		НК		
	vessel				
vesselLength	Length of	the vessel	185		
vesselBreadth	Breadth o	of the vessel	12.5		
vesselDepth	Depth of	the vessel	0		
vesselType	Type of the vessel		TANKER		
grosstonnage	Gross tonnage of the		11840		
	vessel				
nettonnage	Net tonna	age of the	22988		
	vessel				
deadweight	Dead wei	ght of the	39860		
	vessel				



mmsiNumber	MMSI number of the	0
	vessel	
yearBuilt	The year in which the	1974
	vessel has been build	
If vessel flag is 'SG' then the below fields also b		e 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

```
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	https://sg-mdh-api.mpa.gov.sg/v1/vessel/particulars/name/{charset}			
Description	Provides the corresponding List of vessel particulars information (imo				
	number a	number and vessel name) for the given charset. Charset should be			
	minimum	3 and maximu	ım 8 character.		
Update Freq.	6 hours				
		Reques	st Details		
	Name	Mandatory	Description	Sample	
Parameters	charset	Yes	Should be in text	TEST	
			format		
Headers	apikey	Yes	This is the	j4w4tty4Lw80hAbWWQ	
			consumer key of		
			the approved App		
			created in the		
			Developer Portal.		
		Respo	nse Details		
Attributes	Description		9	Sample	
vesselName	Name of the vessel		TEST NEW		
imoNumber	IMO Num	ber of the	1234567		
	vessel				

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



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	Provides the corresponding vessel positions information for
	Name	the given vessel name. The data is updated every 3 minutes.
2	Vessel Positions by	Provides the corresponding vessel positions information for
	IMO Number	the given vessel IMO number. The data is updated every 3
		minutes.
3	Vessel Positions by	Provides the corresponding vessel positions information for
	CallSign	the given vessel callsign. The data is updated every 3
		minutes.
4	Vessel Positions	Provides a snapshot of vessel positions information. The
	Snapshot	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.	vessel name. The data is updated every 3 minutes.				
Update Freq.	3 mins					
		Requ	est Details			
	Name	Mandatory	Description	Sample		
Parameters	vesselname	Yes	Should be in text	TEST NEW		
			format			
Headers	Apikey	Yes	This is the	j4w4tty4Lw80hAbWWQ		
			consumer key of			
			the approved App			
			created in the			
			Developer Portal.			
		Response Details				
Attributes	Description		S	ample		
vesselName	Name of the	vessel	TEST NEW			
callSign	CallSign of th	e vessel	ABCXYZ			
imoNumber	IMO Number	of the	1234567			
	vessel					
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 vesse	el	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

```
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": "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"
                  }
```



2.2.2 Vessel Positions by IMO Number

URL	http://sg-md	h-			
OKL	<pre>http://sg-mdh- api.mpa.gov.sg/v1/vessel/positions/imonumber/{imonumber}</pre>				
Description	Provides the corresponding vessel positions information for the given				
Description	vessel IMO number. The data is updated every 3 minutes.				
Update Freq.	3 min	amber. The ac	ata is apaatea every s	minutes.	
Opuate Freq.	3111111	Reque	st Details		
	Name	Mandatory	Description	Sample	
Parameters	imonumber	Yes	Should be in text	1234567	
		. 63	format	123 1307	
Headers	apikey	Yes	This is the	j4w4tty4Lw80hAbWWQ	
	apc,	. 55	consumer key of	,,	
			the approved App		
			created in the		
			Developer Portal.		
		Respo	nse Details		
Attributes	Descri		Sample		
vesselName	Name of the	vessel	TEST NEW		
callSign	CallSign of the vessel		ABCXYZ		
imoNumber	IMO Number	of the	1234567		
	vessel				
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 to	nnage	5427		
deadweight	Deadweight		0		
mmsiNumber	MMSI Numb	er	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		

Curl Request	11
curi 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	httns://sg-r	mdh-ani mna (zov sg/v1/vessel/nosit	tions/callsign/{callsign}	
Description		https://sg-mdh-api.mpa.gov.sg/v1/vessel/positions/callsign/{callsign} Provides the corresponding vessel positions information for the given			
Description	vessel callsign. The data is updated every 3 minutes.				
Update Freq.	3 min				
		Reque	est 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	
		Respo	onse Details		
Attributes		ription	9	Sample	
vesselName	Name of th		TEST NEW		
callSign	CallSign of the vessel		ABCXYZ		
imoNumber	IMO Number	er of the	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 t	tonnage	5427		
deadweight	Deadweigh	t	0		
mmsiNumber	MMSI Num	ber	210381000		
yearBuilt	Built in yea	r	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	e Time	2019-09-23 10:17:59	9	

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

2.2.4 Vessel Positions Snapshot

URL	https://sg-	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					
		Re	quest 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	SG
	vessel	
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	18091
	tonnage	
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



```
Curl Request
                curl -X GET "https://sg-mdh-api.mpa.gov.sg/v1/vessel/positions/snapshot" -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"
                  }
```



2.3 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	Provides the corresponding vessel movements information for
	by Name	the given vessel name. The data is updated every 5 minutes.
2	Vessel Movements	Provides the corresponding vessel movements information for
	by IMO Number	the given vessel IMO number. The data is updated every 5
		minutes.
3	Vessel Movements	Provides the corresponding vessel movements information for
	by CallSign	the given vessel callsign. The data is updated every 5 minutes.

2.3.1 Vessel Movements by Name

URL		https://sg-mdh-		
			ssel/movements/vesselname/	
Description		Provides the corresponding vessel movements information for the given		
	vessel n	ame. The data	is updated every 5 minutes.	
Update Freq.	5 mins			
		Re	quest Details	
	Name	Mandatory	Description	Sample
Parameters	vessel	Yes	Should be in text format	TEST NEW
	name			
Headers	apikey	Yes	This is the consumer key of	j4w4tty4Lw80hAbW
			the approved App created	W
			in the Developer Portal.	
Response Details				
Attributes	Des	scription	Sample)
vesselName	Name o	f the vessel	TEST NEW	
callSign	CallSign of the		ABCXYZ	
	vessel			
imoNumber	IMO Number of the		1234567	
	vessel			
Flag	Country	flag of the	GB	
	vessel			
movementStartD	Movem	ent start	2014-04-23 11:45:00	
ateTime	date and time			
movementEndDa	Movement end date		2014-04-23 12:15:00	
teTime	and time			
movementStatus	Movement status		С	
movementType	Movement type		D	
locationFrom	Location	n From	АЕНВ	
locationto	Locatio	n to	SEAW	



movementDraft	Movement Draft	182
movementHeight	Movement Height	50

```
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 th	ne correspondi	ing vessel movements informa	tion for the given
	vessel IMC	number. The	data is updated every 5 minut	es.
Update Freq.	5 mins			
		Requ	iest Details	
	Name	Mandatory	Description	Sample
Parameters	imonum	Yes	Should be in text format	1234567
	ber			
Headers	apikey	Yes	This is the consumer key of	j4w4tty4Lw4hAb
			the approved App created	WWQGKwto
			in the Developer Portal.	
		Resp	oonse Details	
Attributes	Description		Sample	
vesselName	Name of the vessel		TEST NEW	
callSign	CallSign of the vessel		ABCXYZ	
imoNumber	IMO Numb	er of the	1234567	
	vessel			



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

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

2.3.3 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 ca	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
		Re	esponse Details	
Attributes	Des	cription	Samp	le
vesselName	Name of	the vessel	TEST NEW	
callSign	CallSign	of the vessel	ABCXYZ	
imoNumber	IMO Nur vessel	nber of the	1234567	
flag	Country flag of the vessel		GB	
movementStartD ateTime	Movement start date		2014-04-23 11:45:00	
movementEndDa teTime	Movement end date and time		2014-04-23 12:15:00	
movementStatus	Moveme	ent status	С	
movementType	Movement type		D	
locationFrom	Location from		AEHB	
locationto	Location to		SEAW	
movementDraft	Moveme	ent Draft	182	
movementHeight	Moveme	ent Height	50	

```
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'	Provides the corresponding vessels arrival information
	Hours	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	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			
	уууу-ММ	I-dd format. Th	ne data is updated every hour.		
Update Freq.	1 hour				
			Request Details		
	Name	Mandatory	Description	Sample	
Parameters	date	Yes	Should be in date (yyyy-	2018-06-22	
			MM-dd) format		
Headers	apikey	Yes	This is the consumer key of	j4w4tty4Lw4hAbWWQ	
			the approved App created		
			in the Developer Portal.		
			Response Details		
Attributes	Description		Samp	le	
vesselName	Name of	the vessel	TEST NEW		
callSign	CallSign o	of the vessel	ABCXYZ		
imoNumber	IMO Nun	nber of the	1234567		
	vessel				
flag	Country flag of the		PA		
	vessel				
arrivedTime	The arrival time of		2018-06-22 14:30:00		
	the vessel				
locationFrom	Location	from	SEAE		
locationto	Location	to	PEBGA		



2.4.2 Vessel Arrivals for Past 'N' Hours

			1.1 11 11 11 11	11
URL			a.gov.sg/v1/vessel/arrivals/dat	te/{yyyy-MM-
	dd%20HF	dd%20HH:mm:ss}/hours/{hours}		
Description	Provides	Provides the corresponding vessels arrival information for the given date and		
	time in yy	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	2018-06-22
			(yyyy-MM-dd	
			HH:mm:ss)format	
	hours	Yes	Should be in number	6
Headers	apikey	Yes	This is the consumer key of	j4w4tty4Lw4hAbWWQ
			the approved App created	
			in the Developer Portal.	
			Response Details	
Attributes	Des	cription	Samp	le
vesselName	Name of	the vessel	TEST NEW	
callSign	CallSign c	of the vessel	ABCXYZ	
imoNumber	IMO Num	ber of the	1234567	
	vessel			
flag	Country flag of the		PA	
	vessel			
arrivedTime	The arrival time of		2018-06-22 14:30:00	
	vessel			
locationFrom	Location	from	SEAE	
locationto	Location	to	PEBGA	





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-i	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-N	1M-dd format. The data is	updated every hour.	
Update Freq.	1 hour				
		Rec	quest Details		
	Name	Mandatory	Description	Sample	
Parameters	date	Yes	Should be in date	2018-06-22	
			(yyyy-MM-dd) format		
Headers	apikey	Yes	This is the consumer	j4w4tty4Lw80hAbWWQ	
			key of the approved		
			App created in the		
			Developer Portal.		
		Re	sponse Details		
Attributes	Description		Sample		
vesselName	Name of t	he vessel	TEST NEW		
callSign	CallSign of the vessel		ABCXYZ		
imoNumber	IMO Number of the		1234567		
	vessel				
Flag	Country flag of the		PA		
	vessel				
duetoArriveTime	Vessel due to arrive		2018-06-22 14:30:00		
	time				
locationFrom	Location from		SEAE		
Locationto	Location t	0	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 o	late and time i	in yyyy-MM-dd HH:mm:s	s format. The data is	
	updated ev	very hour.			
Update Freq.	1 hour				
		Requ	uest Details		
	Name	Mandatory	Description	Sample	
Parameters	date	Yes	Should be in date	2018-06-22	
			(yyyy-MM-dd		
			HH:mm:ss)format		
	hours	Yes	Should be in number	6	
Headers	apikey	Yes	This is the consumer	j4w4tty4Lw4hAbWWQ	
			key of the approved		
			App created in the		
			Developer Portal.		
		Res	ponse Details		
Attributes	Desc	ription	Sample		
vesselName	Name of th	ne vessel	TEST NEW		
callSign	CallSign of	the vessel	ABCXYZ		
imoNumber	IMO Number of the		1234567		
	vessel				
flag	Country flag of the		PA		
	vessel				
duetoArriveTime	Vessel due	to arrive	2018-06-22 14:30:00		
	time				



locationFrom	Location from	SEAE
locationto	Location to	PEBGA



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	Provides the corresponding vessels departures
	'N' Hours	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-MI	M-dd format.	The data is updated every ho	our.	
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	Desc	ription	Sample		
vesselName	Name of tl	he vessel	TEST NEW		
callSign	CallSign of the vessel		ABCXYZ		
imoNumber	IMO Number of the		1234567		
	vessel				
flag	Country flag of the vessel		PA		
departedTime	Vessel dep	arted time	2018-07-01 19:00:00		



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

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	n yyyy-MM-dd	HH:mm:ss format. The data	is updated every hour.		
Update Freq.	1 hour					
		R	lequest Details			
	Name	Mandatory	Description	Sample		
Parameters	date	Yes	Should be in date and	2018-07-01		
			time (yyyy-MM-dd)			
			HH:mm:ss) format			
	hours	Yes	Should be in number	6		
			format			
Headers	apikey	Yes	This is the consumer key	j4w4tty4Lw80hAbWWQ		
			of the approved App			
			created in the Developer			
			Portal.			
			Response Details			
Attributes	Desc	ription	Sample			
vesselName	Name of th	ie vessel	TEST NEW			
callSign	CallSign of the vessel		ABCXYZ			
imoNumber	IMO Number of the		1234567			
	vessel					
flag	Country flag of the		PA			
	vessel					
departedTime	Vessel dep	arted time	2018-07-01 19:00:00			



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	<pre>[</pre>



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 fo	ormat. The data is update	ed every hour.	
Update Freq.	1 hour				
		Requ	uest Details		
	Name	Mandatory	Description	Sample	
Parameters	date	Yes	Should be in date	2018-07-01	
			(yyyy-MM-dd)		
			format		
Headers	apikey	Yes	This is the consumer	j4w4tty4Lw80hAbWWQ	
			key of the approved		
			App created in the		
			Developer Portal.		
	Response Details				
Attributes	Desc	ription	Sa	mple	
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	o depart	2018-07-01 19:00:00		



2.7.2 Vessels Due to Depart for Next 'N' Hours

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



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	[



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
2	SRS Certificate of Registry by Vessel Details	hour. 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-		
B		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.		
111		Tificate Numb	er. The data is updated ev	very nour.
Update	Hourly			
Freq.				
			Request Details	
	Name	Mandatory	Description	Sample
Parameters	certificaten	Yes	Should be in text	COR-0000-00
	umber		format	
Headers	apikey	Yes	This is the consumer	j4w4tty4Lw4hAbWWQG
			key of the approved	
			App created in the	
			Developer Portal.	
	Response Details			
Attributes	Descr	iption	S	ample
shipName	Ship name		TEST NEW	
imoNumber	IMO Number of the		1234567	
	vessel			
registration	Registration status		P	
Status				
registration	Registration	Date	2016-12-14 00:00:00	
Date				
validityDate	Validity Date		2019-12-14 00:00:00	
dateOfClosu	Date of Closure		2019-12-15 00:00:00	
re				
certificateN	Certificate Number		COR-0000-00	
umber				
issueDate	Issue Date		2018-03-20	



Curl	curl -X GET https://sg-mdh-
Request	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/si	/v1/certificate/srscor/vesseldetails?officialnumber={officialnumber}&vesselnam				
	e={vesselname}8	e={vesselname}®istryportnumber={registryportnumber}&imonumber={imon				
	umber}&callsign	umber}&callsign={callsign}				
Description	Provides the cor	responding Sir	gapore registered ships	s certificate information for		
			ita is updated every hou			
Update	Hourly		,			
Freq.	,					
·		Req	uest Details			
	Name	Mandatory	Description	Sample		
	officialnumber	Yes	Should be in text	123456		
Query			format			
Params	vesselname	Yes	Should be in test	TEST NEW		
			format			
	registryportnu	Yes	Should be a number	9A8765		
	mber					
	imonumber	Either IMO	Should be a number	1234567		
	callsign	Number or	Should be text	ABCXYZ		
		CallSign is				
		mandatory				
Headers	apikey	Yes	This is the consumer	j4w4tty4Lw4hAbWWQG		
			key of the approved			
			App created in the			
			Developer Portal.			
		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
dateOfClosu re	Date of Closure	2019-12-15 00:00:00
certificateN umber	Certificate Number	COR-0000-00
issueDate	Issue Date	2018-03-20

```
Curl
              curl -X GET https://sg-mdh-api.mpa.gov.sg
Request
              /v1/vessel/srscor/vesseldetails?officialnumber=123456&vesselname=TEST%20NE
              W&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	Provides the corresponding port clearance certs
	Certificate by Vessel	information for the given vessel name. The data is updated
	Name	every hour.
2	Port Clearance	Provides the corresponding port clearance cert information
	Certificate by IMO	for the given vessel IMO number. The data is updated every
	Number	hour.
3	Port Clearance	Provides the corresponding port clearance cert information
	Certificate by CallSign	for the given vessel callsign. The data is updated every hour.

2.9.1 Port Clearance Certificate by Vessel Name

Description	http://sg-mdh-api.mpa.gov.sg /v1/vessel/portclearance/vesselname/{vesselname}?gdvno={gdvnumber}&certi ficateno={certificatenumber} Provides the corresponding port clearance certs information for the given			
I I a d a t a	†	ie. The data is	updated every hour.	
Update	Hourly			
Freq.			Request Details	
	Name	Mandatory	Description Description	Sample
Parameters	Vesselna me	Yes	Should be in text format	TEST NEW
	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	Desc	ription		Sample
vesselName	Name of th	ne 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 the vessel	number of	C12345	



status	Status	3
gdvNumber	GDV number of the	987654
	certificate	
grossTonnag	Gross tonnage of the	16881
е	vessel	
cargo	Cargo	0
nextPortOfC	Next port of call	ABC
all		
nextPortOfC	Next port of call	XYZ
allCountry	country	
dateAndTim	Date and time of	2008-01-12 20:00:00
eOfDepartur	departure	
е		
dateAndTim	Date and time of	2008-01-12 20:00:00
eOfIssue	certificate issue	
expiryDateA	Expiry date and time of	2008-01-14 04:50:00
ndTimeOfPo	port certificate	
rtCertificate		
nameOfMas	Master name	NEW MAN
ter		

```
Curl
              curl -X GET https://sg-mdh-
Request
              api.mpa.gov.sg/v1/vessel/portclearance/vesselname/TEST%20NEW?gdvno=9876
              54&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://cg.m	a dh		
UKL	http://sg-n		l/nortalograpeo/imonum	har/(imanumhar)2adyna-(ady
		<pre>api.mpa.gov.sg/v1/vessel/portclearance/imonumber/{imonumber}?gdvno={gdv number}&certificateno={certificatenumber}</pre>		
Description		Provides the corresponding port clearance cert information for the given vessel		
Description		IMO number. The data is updated every hour.		
Update	Hourly	cr. The data is	apaatea every nour.	
Freq.	Tiourty			
			Request Details	
	Name	Mandatory	Description	Sample
Parameters	imonum	Yes	Should be a number	1234567
	ber			
	gdvno	Yes	Should be a number	987654
	certificat	Yes	Should be alpha	C12345
	eno		numeric	
Headers	apikey	Yes	This is the consumer	j4w4tty4Lw4hAbWWQG
			key of the approved	
			App created in the	
			Developer Portal.	
			Response Details	
Attributes	Description			Sample
vesselName	Name of th		TEST NEW	
callSign	CallSign of the vessel		ABCXYZ	
imoNumber	IMO Number of the		1234567	
- CI	vessel Country flog of the			
flag	Country flag of the		LR	
certificateN	vessel	number of	C1224F	
umber	the vessel	number of	C12345	
status	status		3	
gdvNumber	GDV numb	er of the	987654	
gavivanibei	certificate	er or the	307034	
grossTonnag	Gross tonn	age of the	16881	
e	vessel		10001	
cargo	Cargo		0	
nextPortOfC	Next port of call		ABC	
all				
nextPortOfC	Next port of call		XYZ	
allCountry	country			
dateAndTim	Date and t	ime of	2008-01-12 20:00:00	
eOfDepartur	departure			
е				
dateAndTim	Date and t		2008-01-12 20:00:00	
eOfIssue	certificate	issue		



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

```
Curl
              curl -X GET https://sg-mdh-
Request
              api.mpa.gov.sg/v1/vessel/portclearance/imonumber/1234567?gdvno=987654&c
              ertificateno=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 th	ne correspondi	ng port clearance cert info	ormation for the given vessel			
	callsign. Th	e data is upda	ted every hour.				
Update	Hourly						
Freq.							
	Request Details						
	Name	Name Mandatory Description Sample					
Parameters	callsign	Yes	Should be a string	ABCXYZ			



	I	1	T	T	
	gdvno	Yes	Should be a number	987654	
	certificat	Yes	Should be alpha	C12345	
	eno		numeric		
Headers	apikey	Yes	This is the consumer	j4w4tty4Lw4hAbWWQG	
			key of the approved		
			App created in the		
			Developer Portal.		
			Response Details		
Attributes	Desc	ription	S	Sample	
vesselName	Name of th	ne vessel	TEST NEW		
callSign	CallSign of	the vessel	ABCXYZ		
imoNumber	IMO Numb	er of the	1234567		
	vessel				
flag	Country fla	ng of the	LR		
	vessel				
certificateN	Certificate	number of	C12345		
umber	the vessel				
status	status		3		
gdvNumber	gdv number of the		987654		
	certificate				
grossTonnag	Gross tonnage of the		16881		
е	vessel				
cargo	Cargo		0		
nextPortOfC	Next port of call		ABC		
all					
nextPortOfC	Next port	of call	XYZ		
allCountry	country				
dateAndTim	Date and t	ime of	2008-01-12 20:00:00		
eOfDepartur	departure				
е					
dateAndTim	Date and time of		2008-01-12 20:00:00		
eOfIssue	certificate issue				
expiryDateA	Expiry date and time of		2008-01-14 04:50:00		
ndTimeOfPo	port certificate				
rtCertificate					
nameOfMas	Master name		NEW MAN		
ter					

Curl Request	curl -X GET https://sg-mdh-api.mpa.gov.sg/v1/vessel/portclearance/callsign/ABCXYZ?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"
}
```



2.10 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	Provides the corresponding vessel arrival declaration
	by Vessel Name	information for the given vessel name. The data is
		updated every hour.
2	Vessel Arrival Declaration	Provides the corresponding vessel arrival declaration
	by IMO Number	information for the given vessel IMO number. The data
		is updated every hour.
3	Vessel Arrival Declaration	Provides the corresponding vessel arrival declaration
	by Callsign	information for the given vessel callsign. The data is
		updated every hour.
4	Vessel Arrival Declaration	Provides the corresponding vessel arrival declaration
	by Date	information for the given date. The data is updated
		every hour.
5	Vessel Arrival Declaration	Provides the corresponding vessels arrival declaration
	for Past 'N' Hours	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 co	orresponding ve	essel arrival declaration	information for the given	
	vessel name. The data is updated every hour.				
Update	1 hour				
Freq.					
		Re	quest Details		
	Name	Mandatory	Description	Sample	
Parameters	vesselname	Yes	Should be in text	TEST NEW	
			format		
Headers	apikey	Yes	This is the consumer	j4w4tty4Lw80hAbWW	
			key of the approved	Q	
			App created in the		
			Developer Portal.		
		Re	sponse Details		
Attributes	Description		Sa	mple	
vesselName	Name of the vessel		TEST NEW		
callSign	CallSign of the vessel		ABCXYZ		
imoNumber	IMO Number o	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,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	ABC123
reportedArri valTime	The reported arrival time	2014-06-04 10:47:00

```
Curl
              curl -X GET "https://sg-mdh-
Request
              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,N,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-m	dh			
OKL			arrivaldeclaration/i	monumber//imonumberl	
Description	<u>api.mpa.gov.sg/v1/vessel/arrivaldeclaration/imonumber/{imonumber}</u> Provides the corresponding vessel arrival declaration information for				
Description	the given vessel IMO number. The data is updated every hour.				
Update Freq.	1 hour				
opuate rieq.	111001	Pogues	t Details		
	Name	Mandatory	Description	Sample	
Parameters	imonumber	Yes	Should be in	1234567	
Tarameters	Informatibet	103	text format	1254507	
Headers	apikey	Yes	This is the	j4w4tty4Lw80hAbWWQ	
	apiney	1.03	consumer key of	j ili iccy izilooiii iori icq	
			the approved		
			App created in		
			the Developer		
			Portal.		
		Respon	se Details		
Attributes	Description			Sample	
vesselName	Name of the vessel		TEST NEW		
callSign	CallSign of the vessel		ABCXYZ		
imoNumber	IMO Number	of the	1234567		
	vessel				
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		Y,Y,Y,Y,N,N,N,N,N		
	comma-sepa				
	(CSV) field, w				
	value is a Yes				
	indicator in t	he following			
	sequence				
	#1 :d:	Looding /			
	#1 indicator -	_			
	Unloading Ca	_			
	#2 indicator – Loading /				
	Unloading Passengers #3 indicator – Taking				
	Bunker	- iakilig			
	#4 indicator -	– Taking			
	Ship Supplies	_			
	#5 indicator -				
	Crew	Changing			
	CIEW				



	#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

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

2.10.3 Vessel Arrival Declaration by CallSign

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



	Respo	onse Details
Attributes	Description	Sample
vesselName	Name of the vessel	TEST NEW
callSign	CallSign of the vessel	ABCXYZ
imoNumber	IMO Number of the	1234567
	vessel	
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,N,N,N,N,N
agent	Agent of the vessel	XYZ123
reportedArrivalTime	The reported arrival	2014-06-04 10:47:00
	time	



```
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,N,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.g	ov.sg/v1/vesse	el/arrivaldeclaration/b	ydate?date={yyyy-MM-		
	<u>dd}</u>					
Description	Provides t	Provides the corresponding vessel arrival declaration information for				
	the given	the given date. The data is updated every hour.				
Update	1 hour					
Freq.						
		Requ	est Details			
	Name	Mandatory	Description	Sample		
Parameters	date	Yes	Should be in yyyy-	2014-06-04		
			MM-dd format			
Headers	apikey	Yes	This is the	j4w4tty4Lw80hAbWWQ		
			consumer key of			
			the approved App			
			created in the			
			Developer Portal.			
		Resp	onse Details			
Attributes	Desc	cription	Sample			
vesselName	Name of t	he vessel	TEST NEW			
callSign	CallSign of	f the vessel	ABCXZY			
imoNumber	IMO Num	ber of the	1234567			
	vessel					
flag	Country fl	ag of the	SG			
	vessel					



location	Location of the vessel	RAFFLES
grid	Grid of the vessel	4412D
purpose	did of the vesser	Y,Y,Y,N,N,N,N,N
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	
agent	Agent of the vessel	XYZ123
reportedArrivalTime	The reported arrival time of the vessel	2014-06-04 10:47:00

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



2.10.5 Vessel Arrival Declaration for Past 'N' Hours

URL	https://sg-mdh-					
J	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					
2 000	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	2014-04-12 23:59:00		
			yyyy-MM-dd			
			HH:mm:ss			
			format			
	Hours	Yes	Number of	11		
			hours			
Headers	apikey	Yes	This is the	j4w4tty4Lw80hAbWWQ		
			consumer key			
			of the approved			
			App created in			
			the Developer			
			Portal.			
		Respon	se Details			
Attributes	Description			Sample		
vesselName	Name of the	he vessel	TEST NEW			
callSign	CallSign of	the vessel	ABCXYZ			
imoNumber	IMO Numb	per of the	1234567			
	vessel					
flag		ag of the vessel	SG			
location	Location o	f the vessel	RAFFLES			
grid	Grid of the	e vessel	4412D			
purpose						
	The purpose field is a		Y,Y,Y,Y,N,N,N,N,N	I		
	comma-separate value					
	• •	, where each				
		Yes(Y)/No(N)				
	indicator i	n the following				
	sequence					



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

```
Curl Request
            curl -X GET "https://sg-mdh-
            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,N,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				
		Red	quest 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	j4w4tty4Lw80hAbWW Q	
			App created in the Developer Portal.		
		Res	sponse Details		
Attributes	Descri			mple	
vesselName	Name of the ve	essel	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		RAFFLES		
grid	Grid of the vessel		4412D		
purpose			Y,Y,Y,Y,N,N,N,N,N		
	The purpose field is a				
	comma-separa				
	field, where ea				
	Yes(Y)/No(N) ir following sequ				
	Tollowing sequ	ence			
	#1 indicator – I	oading /			
	Unloading Carg	_			
	#2 indicator – I				
	Unloading Pass				
	#3 indicator –	Taking Bunker			
	#4 indicator – Taking Ship				
	Supplies				
	#5 indicator – (Changing			
	Crew	ola tara da da			
	#6 indicator – 9 Repair				
	#7 indicator – (Offshore			
	Support				
	#8 indicator – I	Not Used			



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

```
Curl
              curl -X GET "https://sg-mdh-
Request
              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,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	Provides the corresponding vessel departure
	by Vessel Name	declaration information for the given vessel name.
		The data is updated every hour.
2	Vessel Departure Declaration	Provides the corresponding vessel departure
	by IMO Number	declaration information for the given vessel IMO
		number. The data is updated every hour.
3	Vessel Departure Declaration	Provides the corresponding vessel departure
	by CallSign	declaration information for the given vessel callsign.
		The data is updated every hour.



4	Vessel Departure Declaration	Provides the corresponding vessel departure
	by Date	declaration information for the given date. The data
		is updated every hour.
5	Vessel Departure Declaration	Provides the corresponding vessels departure
	for Past 'N' Hours	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-					
	<pre>api.mpa.gov.sg/v1/vessel/departuredeclaration/vesselname/{vesselname}</pre>					
Description		Provides the corresponding vessel departure declaration information for the				
	given vessel n	ame. The data	is updated every hour.			
Update	1 hour					
Freq.						
			lequest Details			
	Name	Mandatory	Description	Sample		
Parameters	vesselname	Yes	Should be in text format	TEST NEW		
Headers	apikey	Yes	This is the consumer key	j4w4tty4Lw80hAbGK		
			of the approved App	wto		
			created in the Developer			
			Portal.			
			lesponse Details			
Attributes	Descri	-	Samp	ole		
vesselName	Name of the v	vessel .	TEST NEW			
callSign	CallSign of the		ABCXYZ			
imoNumber	IMO Number	of the vessel	1234567			
flag	Country flag o	of the vessel	PA			
agent	Agent		XYZ123			
nextPort	Next port BATA					
reportedArri	Reported arriv	val time	2014-06-02 06:35:00			
valTime						
reportedDe	Reported dep	arture time	2014-11-15 01:46:00			
partureTime						

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



2.11.2 Vessel Departure Declaration by IMO Number

URL	https://sg-mdh- api.mpa.gov.sg/v1/vessel/departuredeclaration/imonumber/{imonu					
	mber}	mber}				
Description	Provides the o	corresponding	vessel departure de	claration information		
	for the given v	vessel IMO nun	nber. The data is up	dated every hour.		
Update Freq.	1 hour					
		Request De	etails			
	Name	Mandatory	Description	Sample		
Parameters	imonumber	Yes	Should be in	1234567		
			text format			
Headers	apikey	Yes	This is the	j4w4tty4Lw80hAbG		
			consumer key of			
			the approved			
			App created in			
			the Developer			
			Portal.			
		Response D	Details			
Attributes	Descr	iption	Sa	ample		
vesselName	Name of the v	ressel	TEST NEW			
callSign	CallSign of the	e vessel	ABCXYZ			
imoNumber	IMO Number	of the vessel	1234567			
flag	Country flag of the vessel		PA			
agent	Agent		XYZ123			
nextPort	Next port	Next port		BATA		
reportedArrivalTime	Reported arrival time		2014-06-02 06:35:00			
reportedDepartureTi	Reported dep	arture time	2014-11-15 01:46	:00		
me						

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		sel/departuredecla	aration/callsign/{callsign}
Description	Provides	the correspon	ding vessel depart	
Update Freq.	1 hour			
		Request	Details	
	Name	Mandatory	Description	Sample
Parameters	callsign	Yes	Should be in	1234567
			text format	
Headers	apikey	Yes	This is the	j4w4tty4Lw80hAbGKwto
			consumer key	
			of the	
			approved App	
			created in the	
			Developer	
			Portal.	
		Respons	se Details	
Attributes	Des	cription		Sample
vesselName	Name of	the vessel	TEST NEW	
callSign	CallSign c	of the vessel	ABCXYZ	
imoNumber	IMO Num	ber of the	1234567	
	vessel			
flag	Country f	lag of the	PA	
	vessel			
agent	Agent		XYZ123	
nextPort	Next port	•	BATA	
reportedArrivalTime	Reported	arrival time	2014-06-02 06:3	5:00
reportedDepartureTime	Reported	departure	2014-11-15 01:4	6:00
	time			



```
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			
		ov.sg/v1/vesse	el/departuredecl	aration/bydate?date={yyyy
	-MM-dd}			
Description	Provides t	the correspond	ing vessel depar	ture declaration
	information	on for the give	n date. The data	is updated every hour.
Update Freq.	1 hour			
		Request	Details	
	Name	Mandatory	Description	Sample
Parameters	date	Yes	Should be in	2014-06-04
			yyyy-MM-dd	
			format	
Headers	apikey	Yes	This is the	j4w4tty4Lw80hAbWWQ
			consumer	
			key of the	
			approved	
			App created	
			in the	
			Developer	
			Portal.	
		Respons	e Details	
Attributes	Des	cription		Sample
vesselName	Name of t	he vessel	TEST NEW	
callSign	CallSign o	f the vessel	ABCXYZ	
imoNumber	IMO Num	ber of the	1234567	
	vessel			
flag	Country f	lag of the	PA	
	vessel			
agent	Agent		XYZ123	
nextPort	Next port		BATA	
reportedArrivalTime	Reported	arrival time	2014-06-02 06	:35:00
reportedDepartureTim	Reported	departure	2014-11-15 01	:46:00
e	time			

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.go	ov.sg/v1/vesse	l/departuredeclaration/	pastNhours?date={yyyy-
	MM-dd%2	0HH:mm:ss}&	hours={hours}	
Description	Provides th	ne correspond	ing vessels departure de	claration information for
	the given o	date and time.	The data is updated eve	ry hour.
Update Freq.	1 hour			
		R	Request Details	
	Name	Mandatory	Description	Sample
Parameters	Datetime	Yes	Should be in yyyy-	2014-04-12 23:59:00
			MM-dd HH:mm:ss	
			format	
	Hours	Yes	Number of hours	11
Headers	Apikey	Yes	This is the consumer	j4w4tty4Lw80hAbWWQ
			key of the approved	
			App created in the	
			Developer Portal.	
		R	Response Details	
Attributes	Desc	ription	Sa	ample
vesselName	Name of th	ne vessel	TEST NEW	
callSign	CallSign of	the vessel	ABCXYZ	
imoNumber	IMO Numb	er of the	1234567	
	vessel			
flag	Country fla	ng of the	PA	
	vessel			
agent	Agent		XYZ123	
nextPort	Next port		BATA	
reportedArrival	Reported a	arrival time	2014-06-02 06:35:00	
Time				
reportedDepar	Reported o	departure	2014-11-15 01:46:00	
tureTime	time			



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	<pre>[</pre>



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	Provides the corresponding vessel type lookup data
	Format	in json format. The data is updated every day.
2	Vessel Type Data In Zipped	Provides the corresponding vessel type lookup data
	Json Format	in zipped json format. The data is updated every day.
3	Vessel Type Data In Zipped	Provides the corresponding vessel type lookup data
	CSV Format	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	i.gov.sg/v1/mdhvessel/reference	e/types/filetype/json
Description	Provides t	he correspond	ding vessel type lookup data in js	on format. The data
	is updated	d 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.	j4w4tty4Lw80hAbW WQ
			Response Details	
	Name	Descriptio	Sample	
Headers		n		
	location	Location of	https://mdh-production-app-d	ata.s3-ap-southeast-
		the file	1.amazonaws.com/lookup/ves	selTypes/VESSELTYPE
			S REF JSON.json	

SAMPLE REQUEST & RESPONSE

Curl Request		Γheader "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh- ov.sg/v1/mdhvessel/reference/types/filetype/json"
Response	Key	Value
Header	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	
	Name	Mandatory	Description	Sample
Headers	apikey	Yes	This is the consumer key of	j4w4tty4Lw80hAbW
			the approved App created in	WQ
			the Developer Portal.	
			Response Details	
	Name	Description	Sample	
Headers	locatio	Location of	https://mdh-production-app-da	ata.s3-ap-southeast-
	n	the file	1.amazonaws.com/lookup/vess	selTypes/VESSELTYPES
			REF_JSON.zip	

Curl Request		-header "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh- v.sg/v1/mdhvessel/reference/types/filetype/jsonzip"
Daamanaa		
Response	Key	Value
Header	Location	https://mdh-production-app-data.s3-ap-southeast-

2.12.3 Vessel Type Data In Zipped Csv Format

URL	https://sg	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 up	data is updated every day.				
Update	Daily					
Freq.						
			Request Details			
	Name	Name Mandatory Description Sample				
Headers	apikey	Yes	This is the consumer key of	j4w4tty4Lw4hAbWWQ		
			the approved App created in	GKwto		
			the Developer Portal.			
			Response Details			
	Name	Description	Sampl	е		
Headers	location	Location of	https://mdh-production-app-o	data.s3-ap-southeast-		
		the file	1.amazonaws.com/lookup/ves	sselTypes/VESSELTYPES_		
			REF CSV.zip			

Curl Request	curl -X GETheader "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/types/filetype/csvzip"			
Response	Key	Value		
		https://mdh-production-app-data.s3-ap-southeast-		
Header	Location	https://mdh-production-app-data.s3-ap-southeast-		



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	Provides the corresponding location codes lookup data in	
	In Json Format	json format. The data is updated every day.	
2	Location Codes Data	Provides the corresponding location codes lookup data in	
	In Zipped Json Format zipped json format. The data is updated every da		
3	Location Codes Data	Provides the corresponding location codes lookup data in	
	In Zipped CSV Format	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				
Descriptio	Provides t	Provides the corresponding location codes lookup data in json format. The data			
n	is updated	d every day.			
Update	Daily				
Freq.					
	Request Details				
	Name	Mandatory	Description	Sample	
Headers	apikey	Yes	This is the consumer key of	j4w4tty4Lw4hAbWW	
			the approved App created in	QGKwto	
			the Developer Portal.		
			Response Details		
	Name	Description	Sampl	е	
Headers	location	Location of	https://mdh-production-app-	data.s3-ap-southeast-	
		the file	1.amazonaws.com/lookup/loo	cation/LOCATION_REF_J	
			SON.json		

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GETheader "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/locations/filetype/json"		
Response	Key Value		
Header	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	Daily			
Freq.				
			Request Details	
	Name	Mandatory	Description	Sample
Headers	apikey	Yes	This is the consumer key of	j4w4tty4Lw80hAbWW
			the approved App created in	Q
			the Developer Portal.	
			Response Details	
	Name	Description	Sampl	e
Headers	location	Location of	https://mdh-production-app-	data.s3-ap-southeast-
		the file	1.amazonaws.com/lookup/loo	cation/LOCATION_REF_J
			SON.zip	

Curl Request	curl -X GETheader "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/locations/filetype/jsonzip"			
Response	Key	Key Value		
Header	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://	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 dat	The data is updated every day.				
Update	Daily					
Freq.						
		Request Details				
	Name	Mandatory	tory Description Sample			
Headers	apikey	Yes	This is the consumer key of	j4w4tty4Lw80hAbWWQ		
			the approved App created			
			in the Developer Portal.			
			Response Details			
	Name	Description	Samı	ple		
Headers	locati	Location of	https://mdh-production-app-data.s3-ap-southeast-			
	on	the file	1.amazonaws.com/lookup/lo	ocation/LOCATION_REF_C		
			SV.zip			

Curl Request	curl -X GETheader "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/locations/filetype/csvzip"			
Response	Key Value			
Header	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	Provides the corresponding country codes lookup data in
	Json Format	json format. The data is updated every day.
2	Country Codes Data In	Provides the corresponding country codes lookup data in
	Zipped Json Format	zipped json format. The data is updated every day.
3	Country Codes Data In	Provides the corresponding country codes lookup data in
	Zipped CSV Format	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	Daily				
Freq.					
	Request Details				
	Name	Mandatory	Description	Sample	
Headers	apikey	Yes	This is the consumer key	j4w4tty4Lw4hAbWW	
			of the approved App	QGKwto	
			created in the Developer		
			Portal.		
			Response Details		
	Name	Description	Samp	le	
Headers	location	Location of	https://mdh-production-app	p-data.s3-ap-southeast-	
		the file			
			EF_JSON.json		

SAMPLE REQUEST & RESPONSE

Curl Request		curl -X GETheader "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/countries/filetype/json"		
Response	Key	Key Value		
Header	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	Daily				
Freq.					
			Request Details		
	Name	Mandatory	Description	Sample	
Headers	apikey	Yes	This is the consumer key of	j4w4tty4Lw4hAbWW	
			the approved App created in	QGKwto	
			the Developer Portal.		
			Response Details		
	Name	Description	Sample	2	
Headers	location	Location of	https://mdh-production-app-data.s3-ap-southeast-		
		the file	1.amazonaws.com/lookup/countries/COUNTRIES R		
			EF_JSON.zip		

Curl Request	curl -X GETheader "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/countries/filetype/jsonzip"			
Response	Key	Key Value		
Header	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 correspon	ding country codes lookup dat	ta in zipped csv format.	
	The data	The data is updated every day.			
Update	Daily				
Freq.					
	Request Details				
	Name	Mandatory	Description	Sample	
Headers	apikey	Yes	This is the consumer key of	j4w4tty4Lw4hAbWWQ	
			the approved App created		
			in the Developer Portal.		
		Response Details			
	Name	Description	Sample		
Headers	location	Location of	https://mdh-production-app-data.s3-ap-southeast-		
		the file	1.amazonaws.com/lookup/countries/COUNTRIES REF		
			CSV.zip		

Curl Request	curl -X GETheader "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/countries/filetype/csvzip"			
Response	Key	Key Value		
Header	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	Provides the corresponding port codes lookup data in
	Format	json format. The data is updated every day.
2	Port Codes Data In Zipped	Provides the corresponding port codes lookup data in
	Json Format	zipped json format. The data is updated every day.
3	Port Codes Data In Zipped	Provides the corresponding port codes lookup data in
	CSV Format	zipped csv format. The data is updated every day.

2.15.1 Port Codes Data In Json Format

URL	https://sg-	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	Daily					
Freq.						
		Request Details				
	Name	Mandatory	Description	Sample		
Headers	apikey	Yes This is the consumer key of the approved App created in the Developer Portal. j4w4tty4Lw4hAbWW				
	Response Details					
	Name	Description	Sampl	е		
Headers	location	Location of	https://mdh-production-app-data.s3-ap-southeast-			
		the file	1.amazonaws.com/lookup/ports/PORTS_REF_JSON_			
	<u>.ison</u>					

SAMPLE REQUEST & RESPONSE

Curl Request	curl -X GETheader "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/ports/filetype/json"			
Response	Key	Key Value		
Header	Location	cation 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	Daily
Freq.	



Request Details					
	Name	Mandatory	Description		Sample
Headers	apikey	Yes	This is the consun	ner	j4w4tty4Lw4hAbWWQGKwto
			key of the approved		
			App created in the	e	
			Developer Portal.		
			Response Deta	ils	
	Name	Description	Sample		
Headers	location	Location of	https://mdh-production-app-data.s3-ap-southea		-app-data.s3-ap-southeast-
		the file	1.amazonaws.co	m/look	up/ports/PORTS_REF_JSON.zip

Curl Request	curl -X GETheader "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/ports/filetype/jsonzip"		
Response	Key	Value	
Header	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	Daily	Daily			
Freq.					
	Request Details				
	Name	Mandatory	Description	Sample	
Headers	apikey	Yes	This is the consumer	j4w4tty4Lw4hAbWWQGKw	
			key of the approved	to	
			App created in the		
			Developer Portal.		
	Response Details				
	Name	Descriptio	Sample		
Headers		n			
	location	Location of	https://mdh-production-app-data.s3-ap-southeast-		
		the file	1.amazonaws.com/lookup/ports/PORTS_REF_CSV.z		
			<u>ip</u>		

Curl Request	curl -X GETheader "apikey: GQ9Mf6xjQuflC2Ji5OfyCm0BiRf" "https://sg-mdh-api.mpa.gov.sg/v1/mdhvessel/reference/ports/filetype/csvzip"		
Response	Key	Value	
Header	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 Phr	rase 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	3:32:40 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