# ClassNK MRV Portal

## Monitoring on shore

## Quick Reference Guide

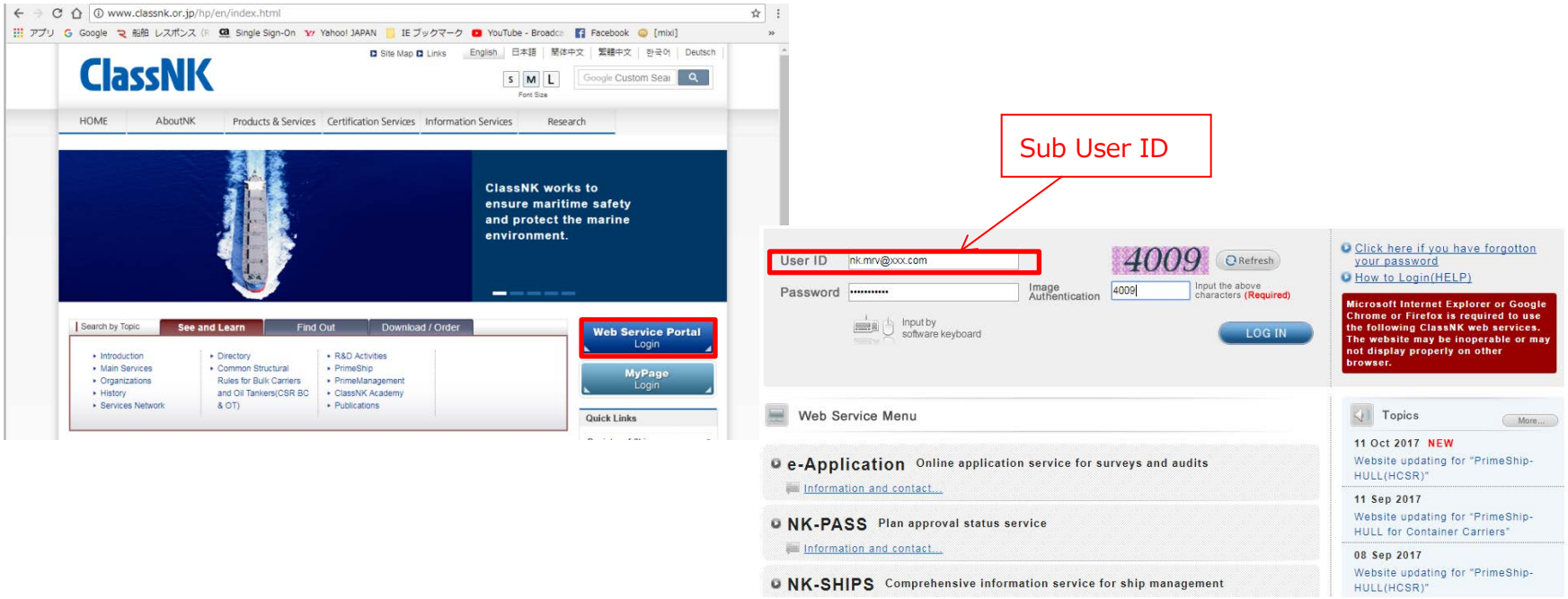
28 October 2017

# Index

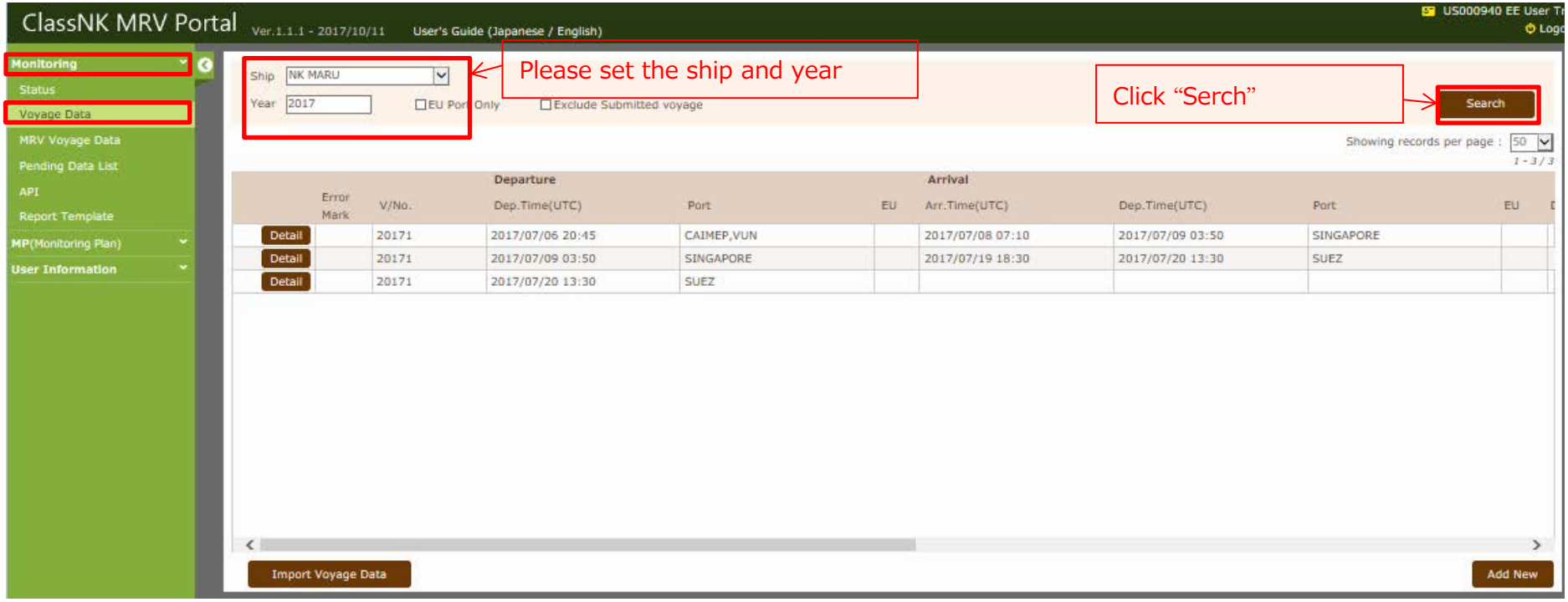
# 1. Confirmation of Monitoring Data

Users can check and confirm the Monitoring Data from onboard at ClassNK MRV Portal.

At First, Please login ClassNK Web Service Portal on Sub User ID and start ClassNK MRV Portal.



Monitoring data (leg base) can be displayed for each vessels from Monitoring – Voyage Data tab at each calendar year.



Data Viewer

Move to detail data on each voyage

Port Information (name, date, time, etc)

| | | | Departure | | | Arrival | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Error Mark | V/No. | Dep.Time(UTC) | Port | EU | Arr.Time(UTC) | Dep.Time(UTC) | Port | EU |
| Detail | | | 2016/07/03 13:00 | YANTIAN | | 2016/07/06 01:35 | 2016/07/06 20:45 | CAIMEP,VUN | |
| Detail | | | 2016/07/06 20:45 | CAIMEP,VUN | | 2016/07/08 07:10 | 2016/07/09 03:50 | SINGAPORE | |
| Detail | | | 2016/07/09 03:50 | SINGAPORE | | 2016/07/19 18:30 | 2016/07/20 13:30 | SUEZ | |

Error mark will be displayed if the data has any error which is set on "Alert Setting" function

| | | At Sea | | | In Port | | | Cargo Carried |
|---|---|---|---|---|---|---|---|---|
| Distance | Time | HSFO | LSFO | MGO | HSFO | LSFO | MGO | Mass |
| 960.0 | 62.00 | 160.0 | 0.0 | 0.2 | 10.0 | 0.0 | 0.07 | 0 |
| 778.0 | 34.00 | 134.0 | 0.0 | 0.1 | 10.0 | 0.0 | 0.21 | 40000 |
| 5046.0 | 262.67 | 2895.17 | 0.0 | 0.38 | 7.68 | 0.0 | 1.2 | 40000 |

Distance (nm)、Time(hours)

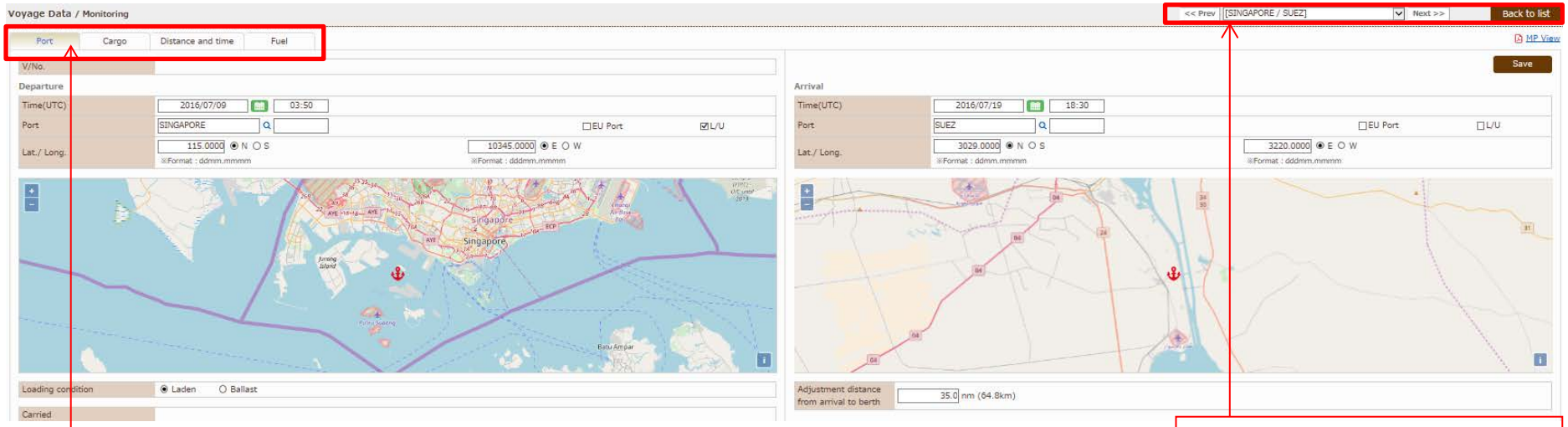
Fuel consumption at sea (MT)

Fuel consumption in port (MT)

Cargo mass

## Detail Data Viewer

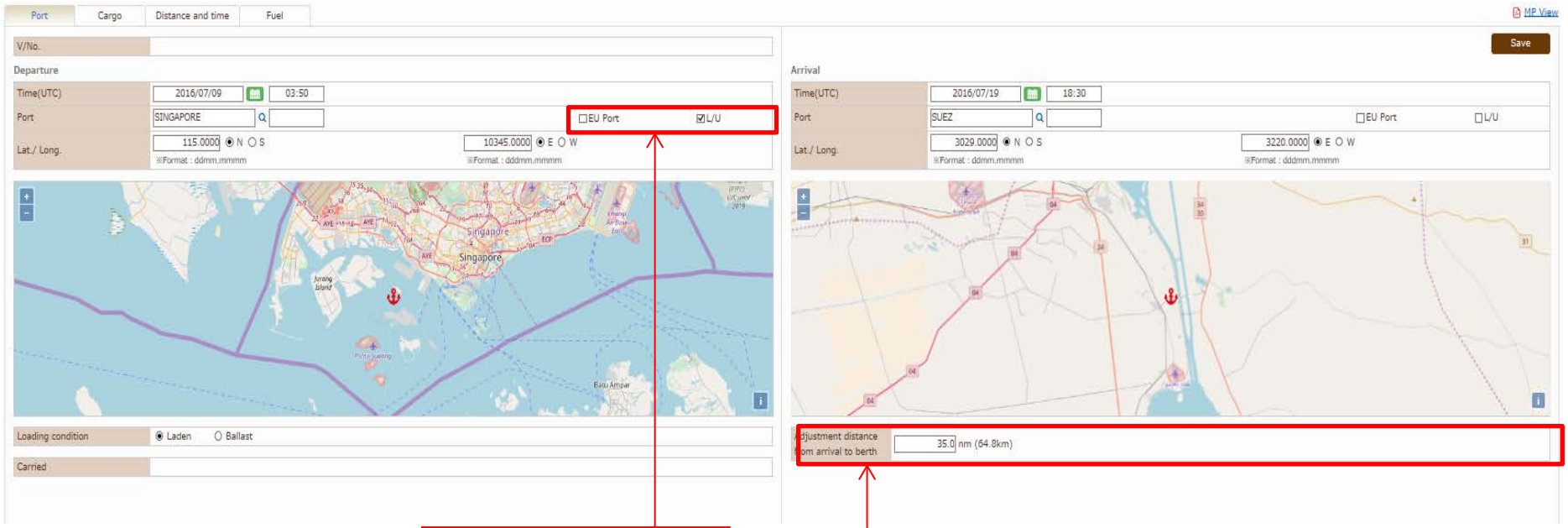
You can move to detail page if you click “detail” button in the previous page.




Various data can be found in each tab

You can move to the Previous/Next voyage.

## Port tab

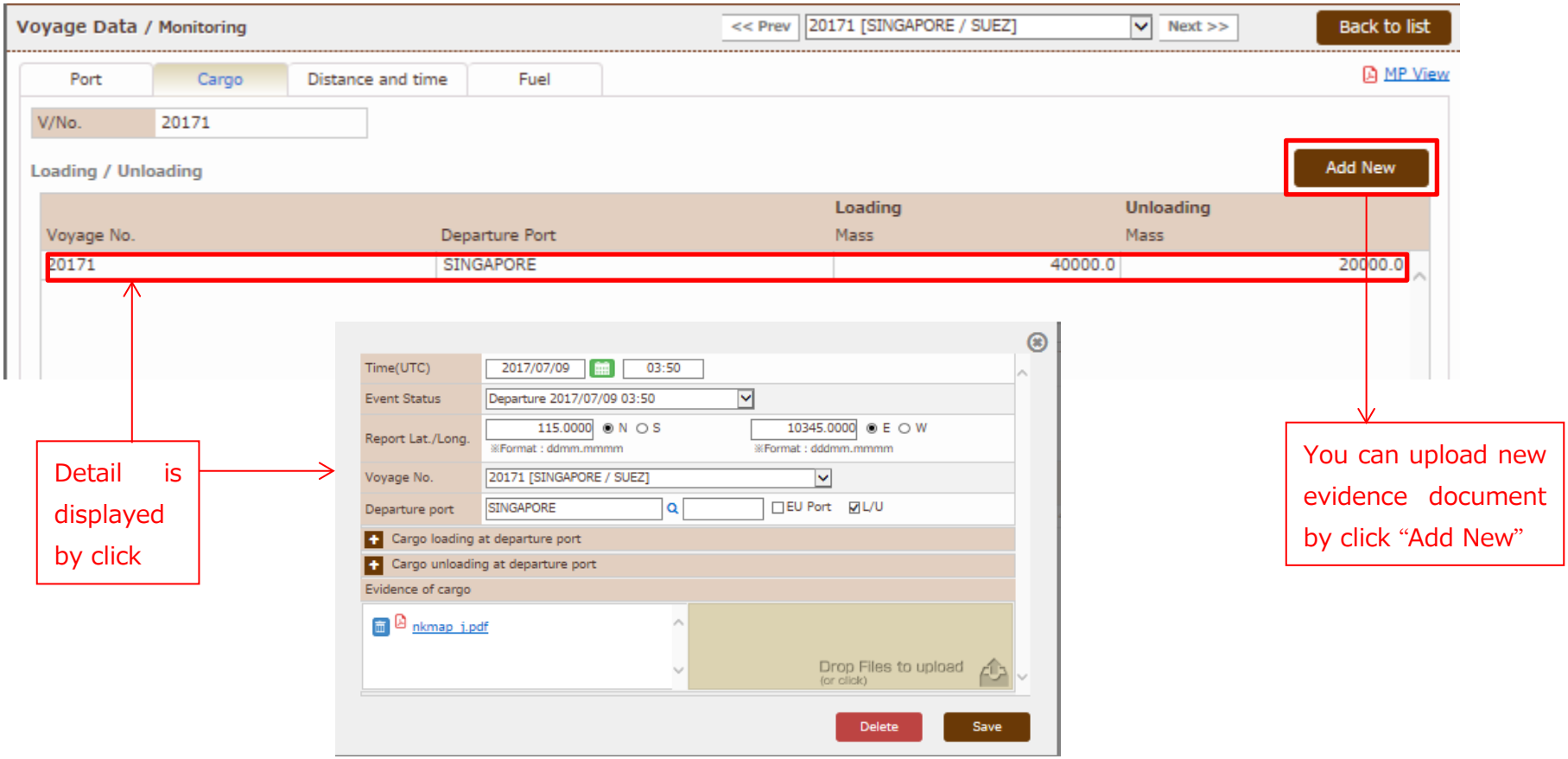



"EU port or not" and "Loading/Unloading or not" are shown here

In case if "Arrival on the report" and "Berthing time" is different, compensation data is input here. Please also refer to "Event and Noon Report Guidance".

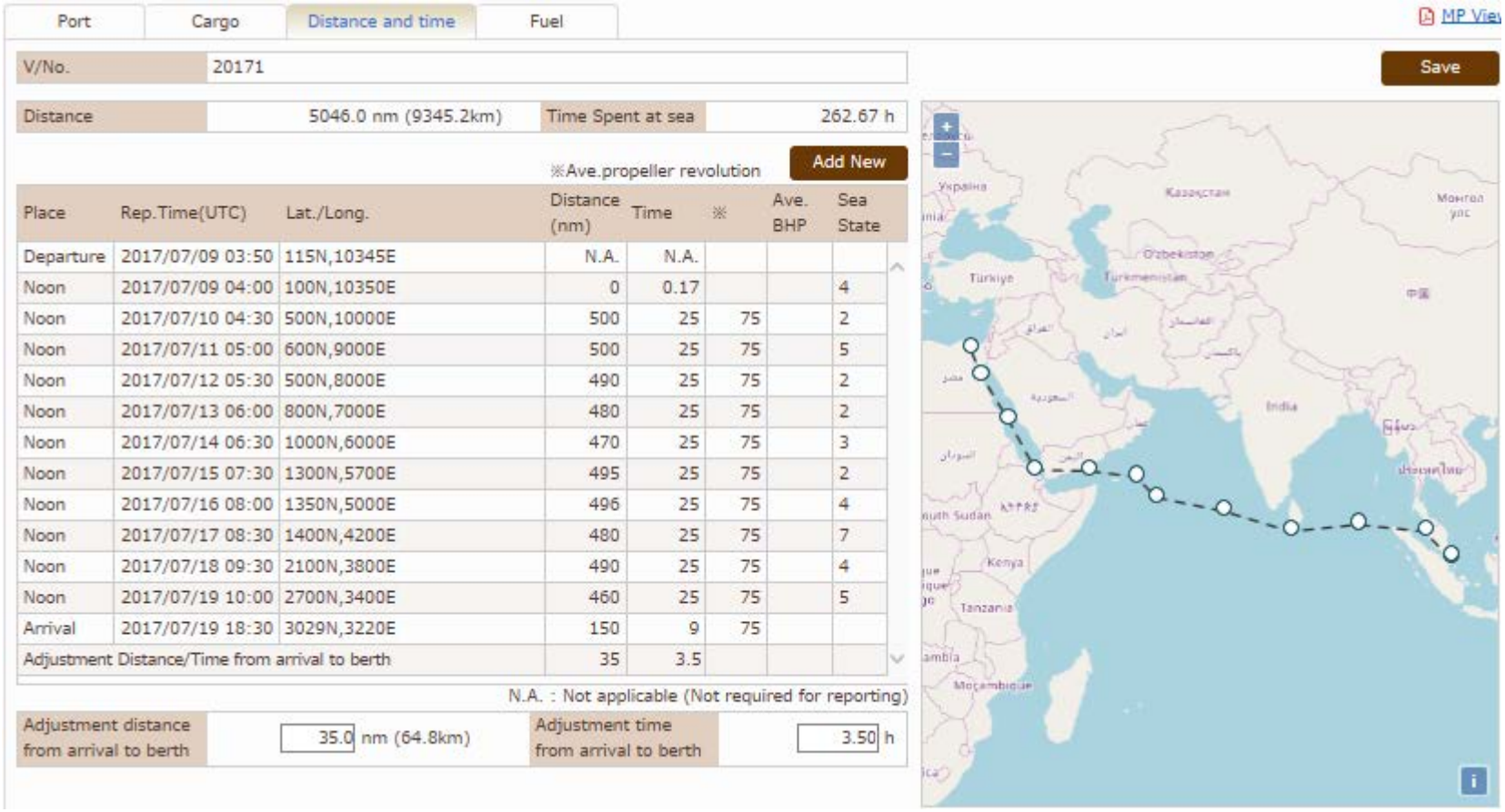
Cargo tab

You can check/upload the evidence document for Cargo Carried.



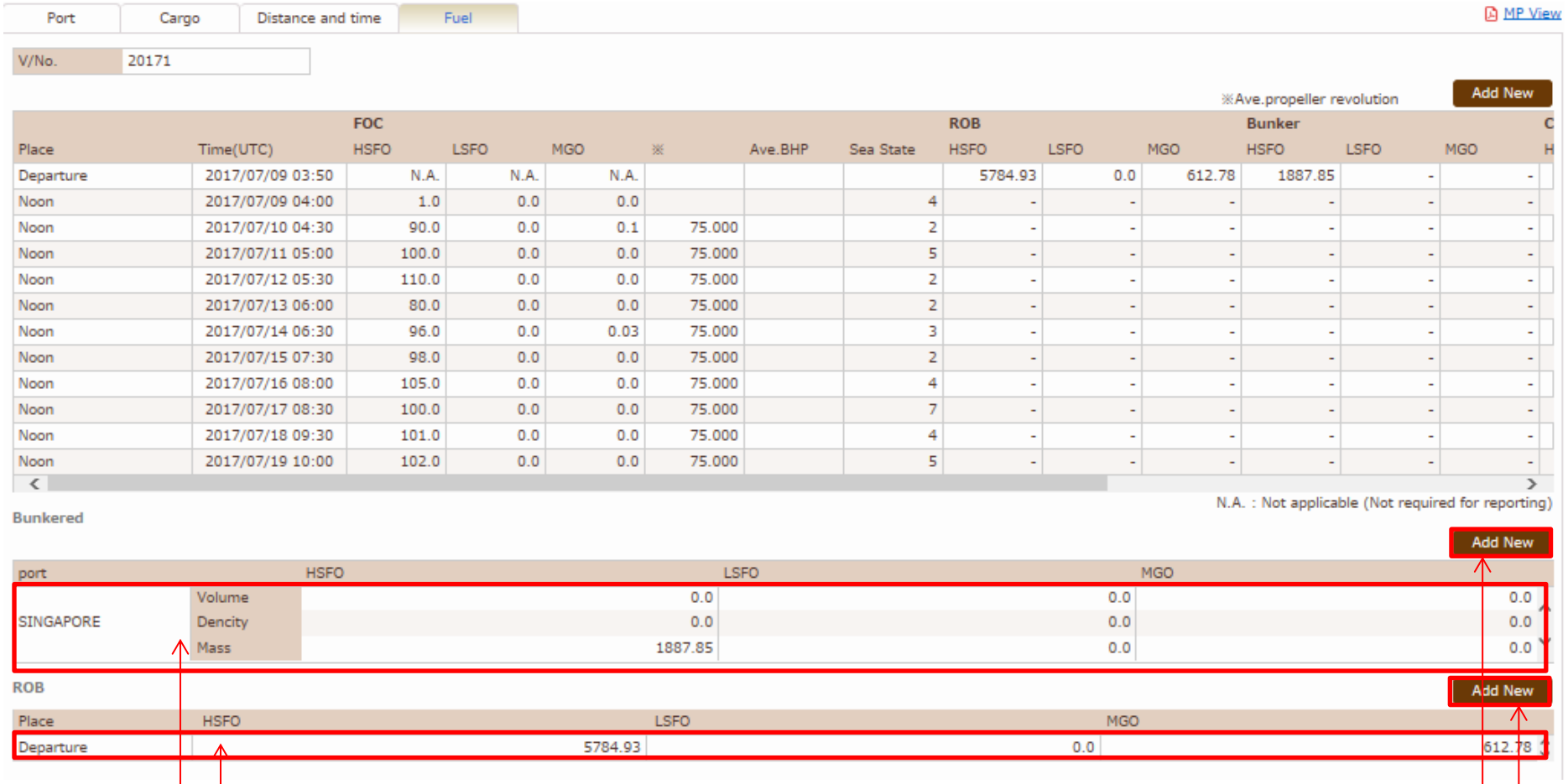
Distance and time tab

You can check Distance / Time data for this voyage.

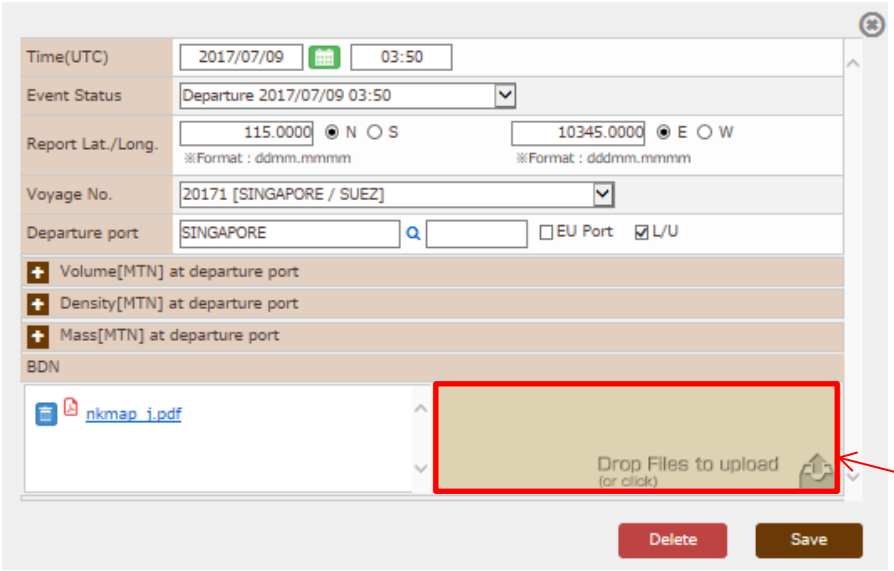


## Fuel Tab

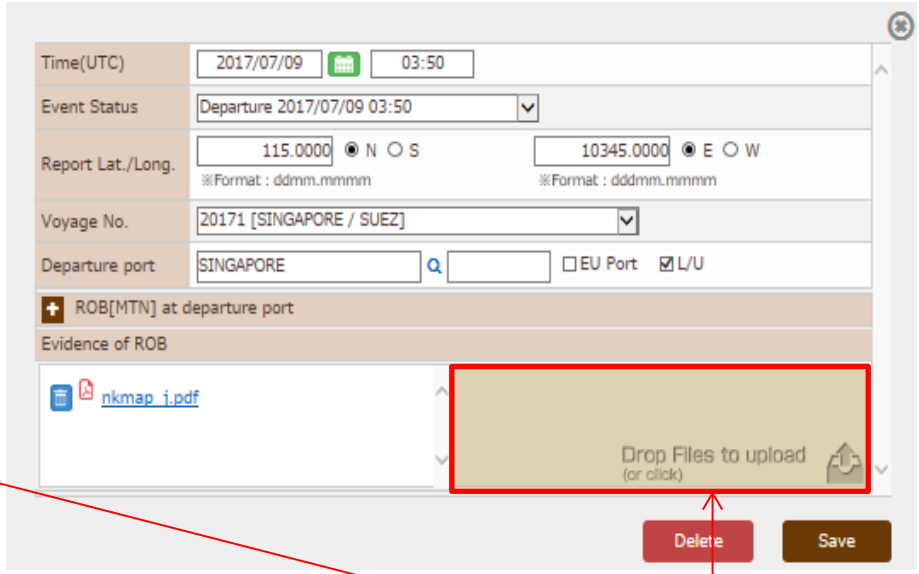
You can check FOC data and upload the evidence document for Bunker and ROB.



Bunker Evidence document



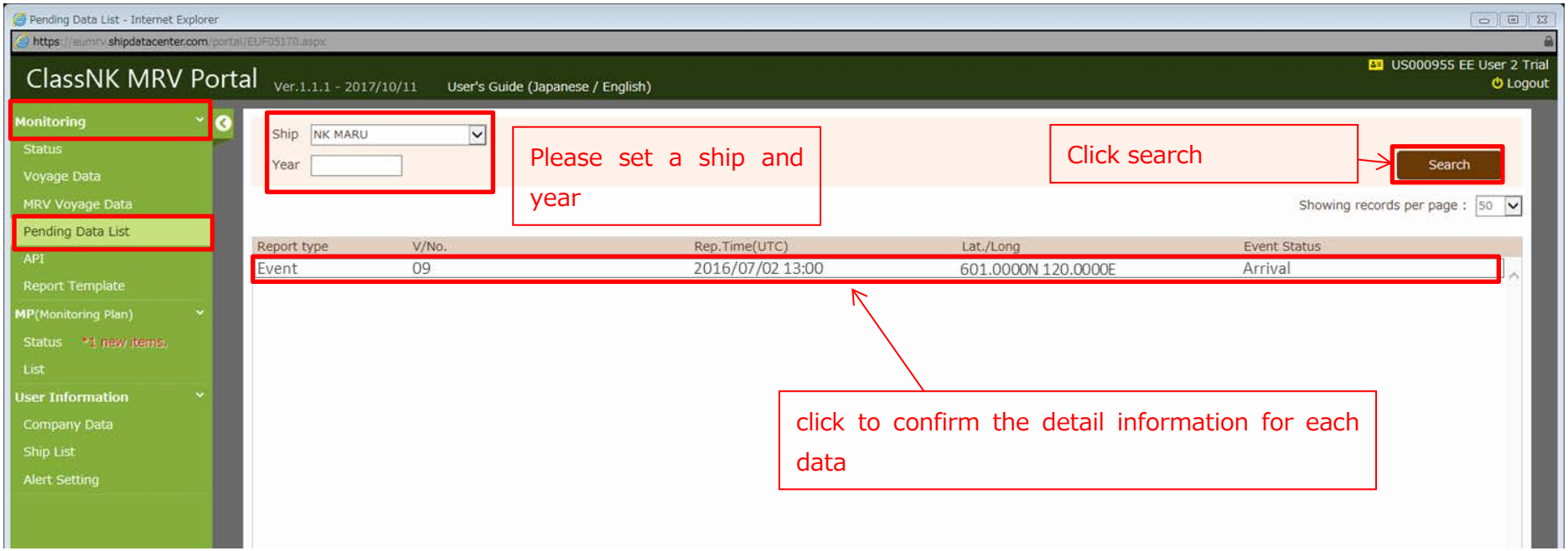

ROB evidence document



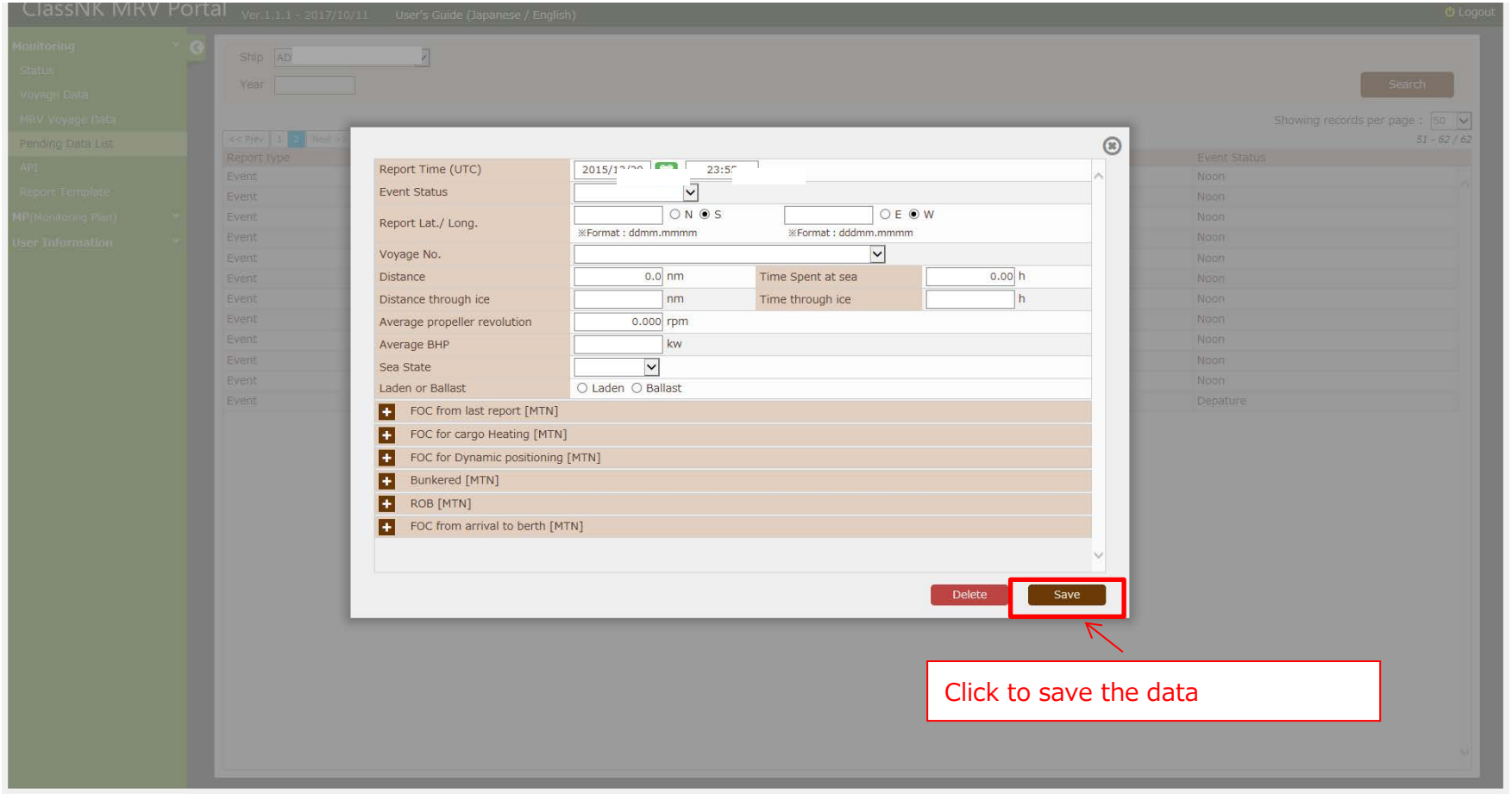

Please drop the file here to upload

## ➢ Monitoring – Pending Data List

Each monitoring data which does not constitute voyage data can be confirmed by Monitoring – Pending Data List tab in each calendar year.

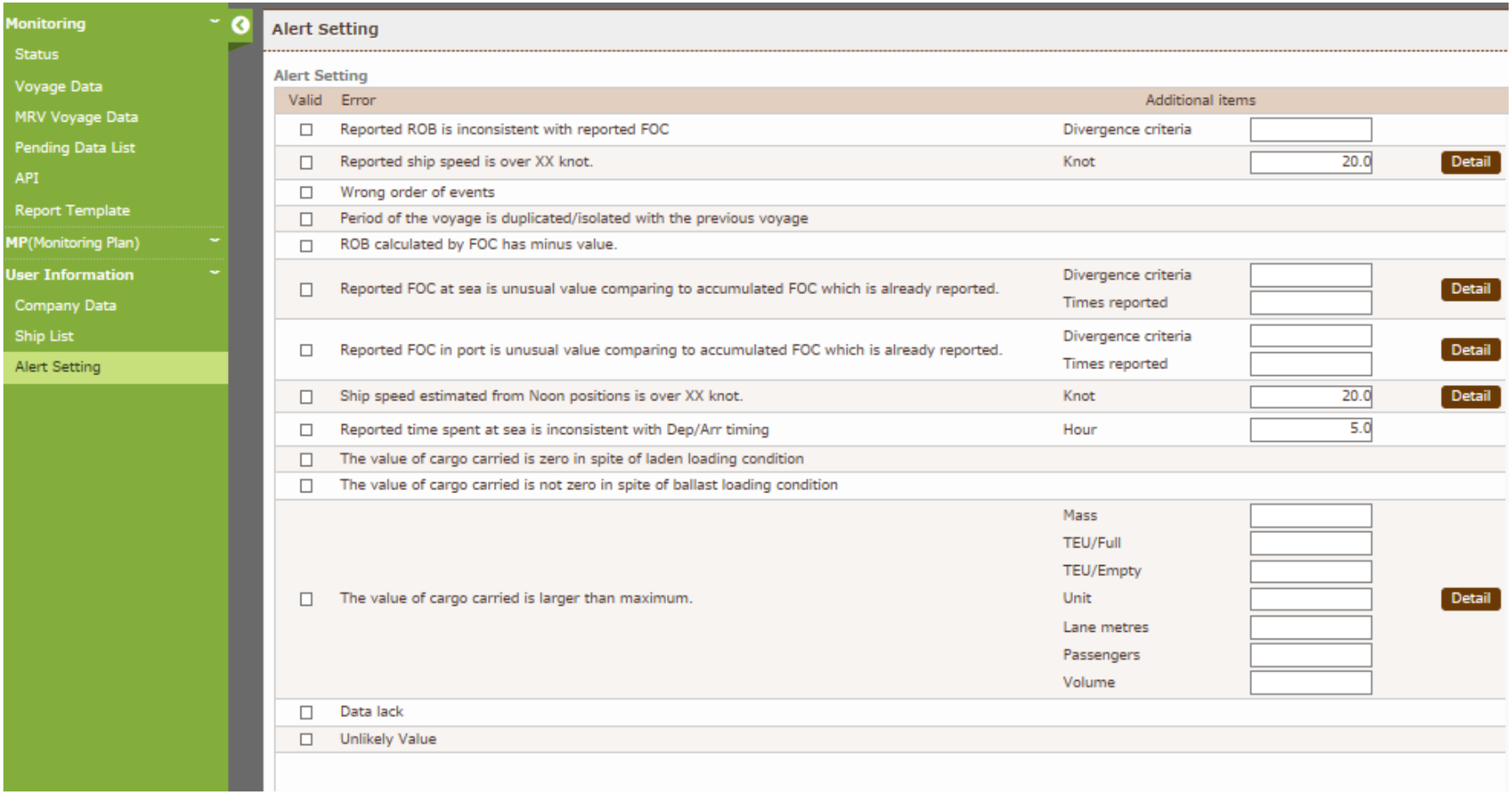


You can edit and save the data by showing detail information as below. When the data constitute voyage data, such data will be left from Pending data list.



# 2. Alert Setting

By User Information – Alert Setting tab, You can set Alert criteria for monitoring data.



## ➢ Detail of each alert

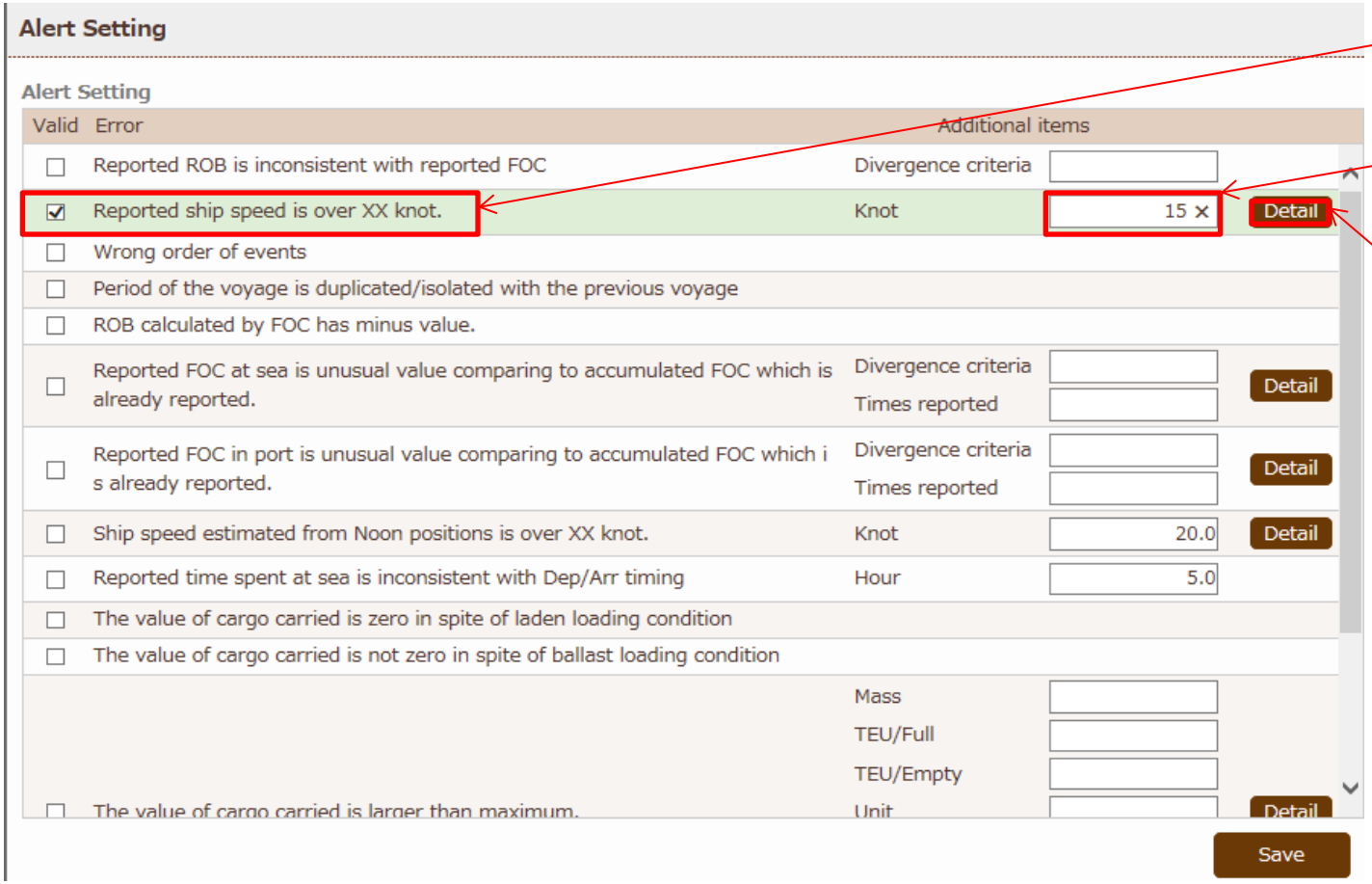
Detail of alerts are shown below. You can select suitable alert criteria for your company's procedure.

| Alert Items | Detail | Each ship setting |
|---|---|---|
| Reported ROB is inconsistent with reported FOC | Please set up "differential value in MT between reported ROB and ROB calculated by FOC" as error criteria. | - |
| Reported ship speed is over XX knot. | Ship speed is calculated by "Distance sailed / sailing hour" (knot) | ○ |
| Wrong order of events | For example, "Arrival – Noon- Arrival", "Departure-Departure", etc. | - |
| Period of the voyage is duplicated/isolated with the previous voyage | - | - |
| ROB calculated by FOC has minus value. | - | - |
| Reported FOC at sea is unusual value comparing to accumulated FOC which is already reported. | Please set followings;<br>- Error criteria (%) as difference from average reported FOC / nautical mile | ○ |

| | | |
|---|---|---|
| | - minimum report number to start this alert | |
| Reported FOC in port is unusual value comparing to accumulated FOC which is already reported. | Please set followings;<br>- Error criteria (%) as difference from average reported FOC / hour<br>- minimum report number to start this alert | ○ |
| Ship speed estimated from Noon positions is over XX knot. | Ship speed is calculated by noon positions | ○ |
| Reported time spent at sea is inconsistent with Dep/Arr timing | Please set alert criteria in hour of difference | - |
| The value of cargo carried is zero in spite of laden loading condition | - | - |
| The value of cargo carried is not zero in spite of ballast loading condition | - | - |
| The value of cargo carried is larger than maximum. | Please set maximum value of cargo carried for each ships | ○ |
| Data lack | - | - |
| Unlikely Value | Unexpected number of digits, etc. | - |

## ➢ Example of Alert setting procedure

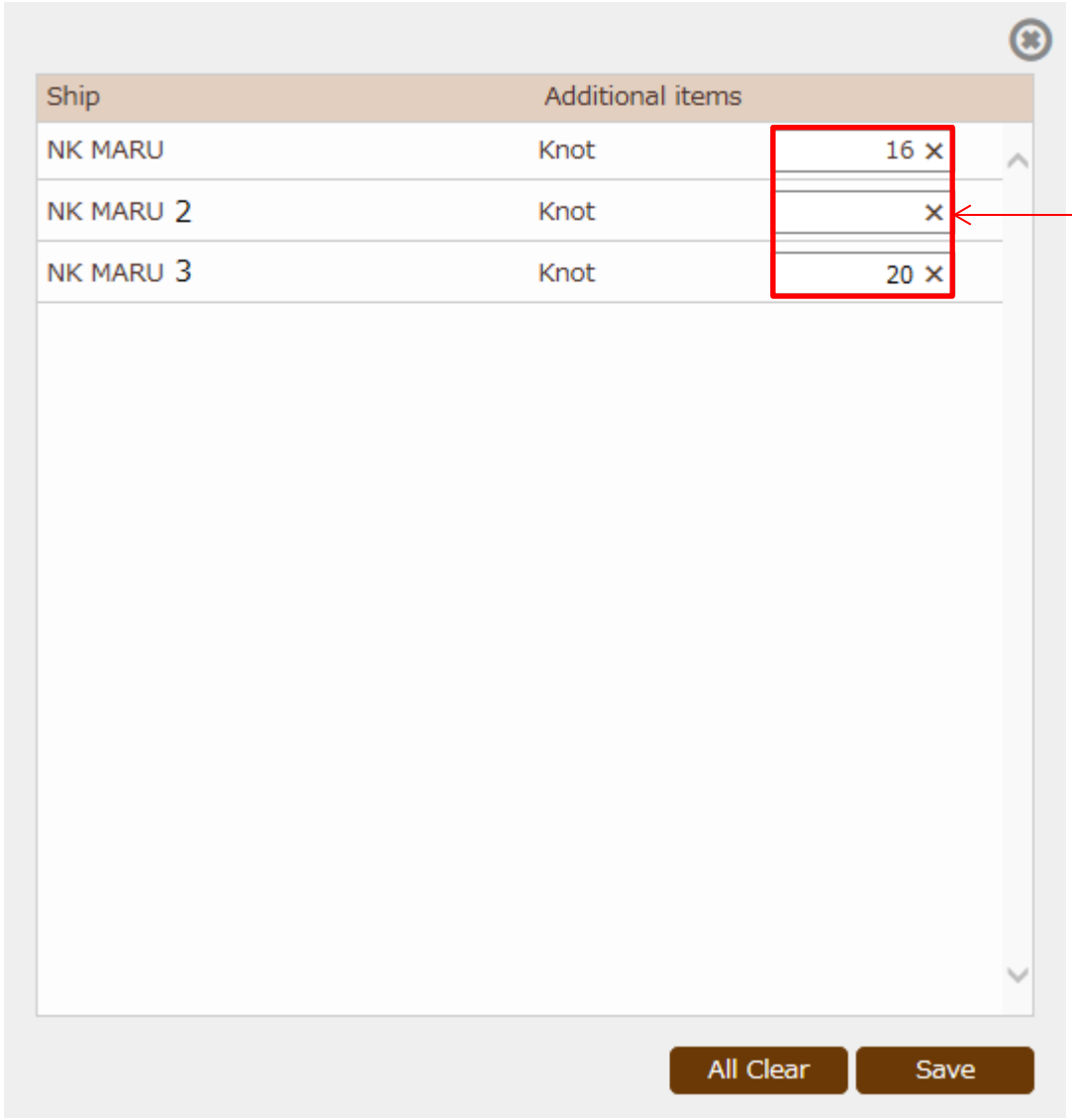
Example of alert setting is as follows;




1.Check the item to be alerted

2.input alert criteria

3.click “detail” for alert criteria in each ship (next page)

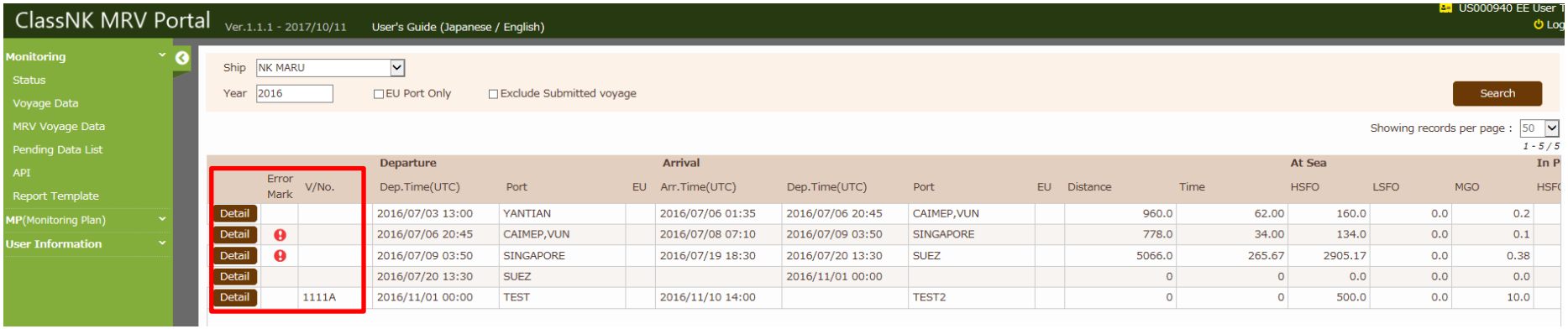



Please input each ship's alert criteria.
In case of blank, default value by previous page shall be applied.

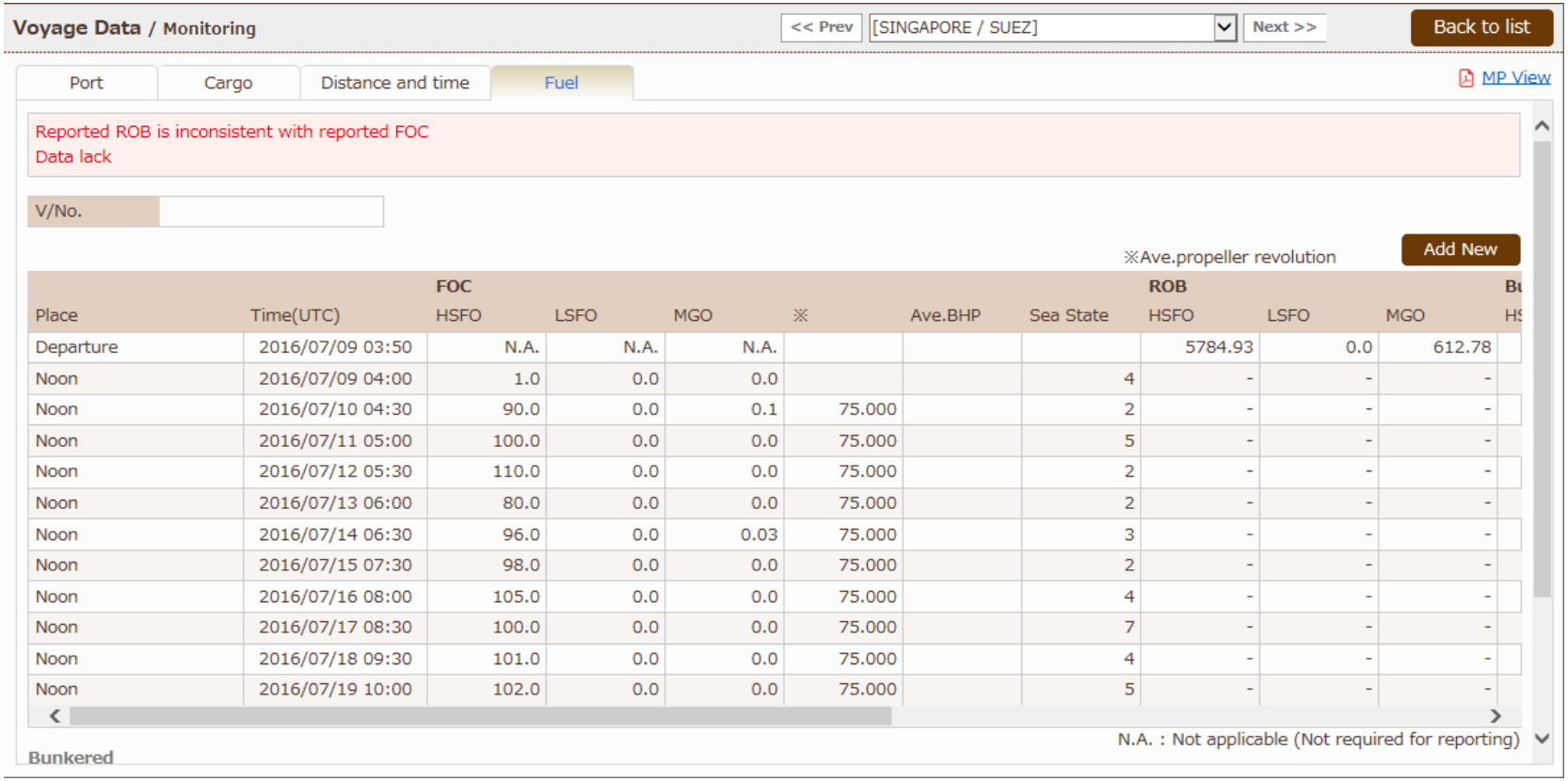
## ➢ Alert Notice

In case when the data conflicts the alert criteria by previous procedure, Error mark are shown in “Voyage Data” list.

Please check “Detail” to confirm the errors.



For example, you can see the data has 2 error as follow;

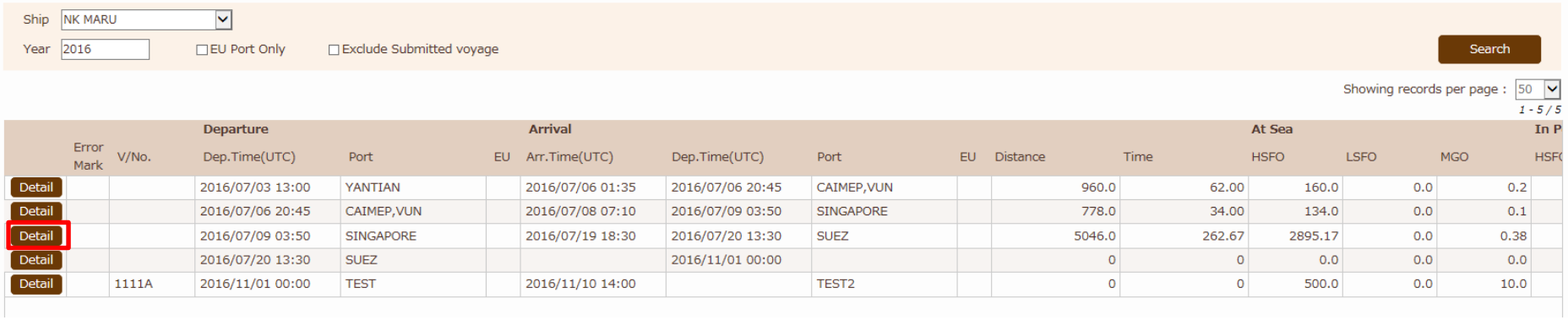


# 3. Edit/Add/Delete of Monitoring Data

You can edit/add/delete the monitoring data if needed.

## Edit/Delete of stored monitoring data

Please click “Detail” button of the voyage which need to edit/delete.

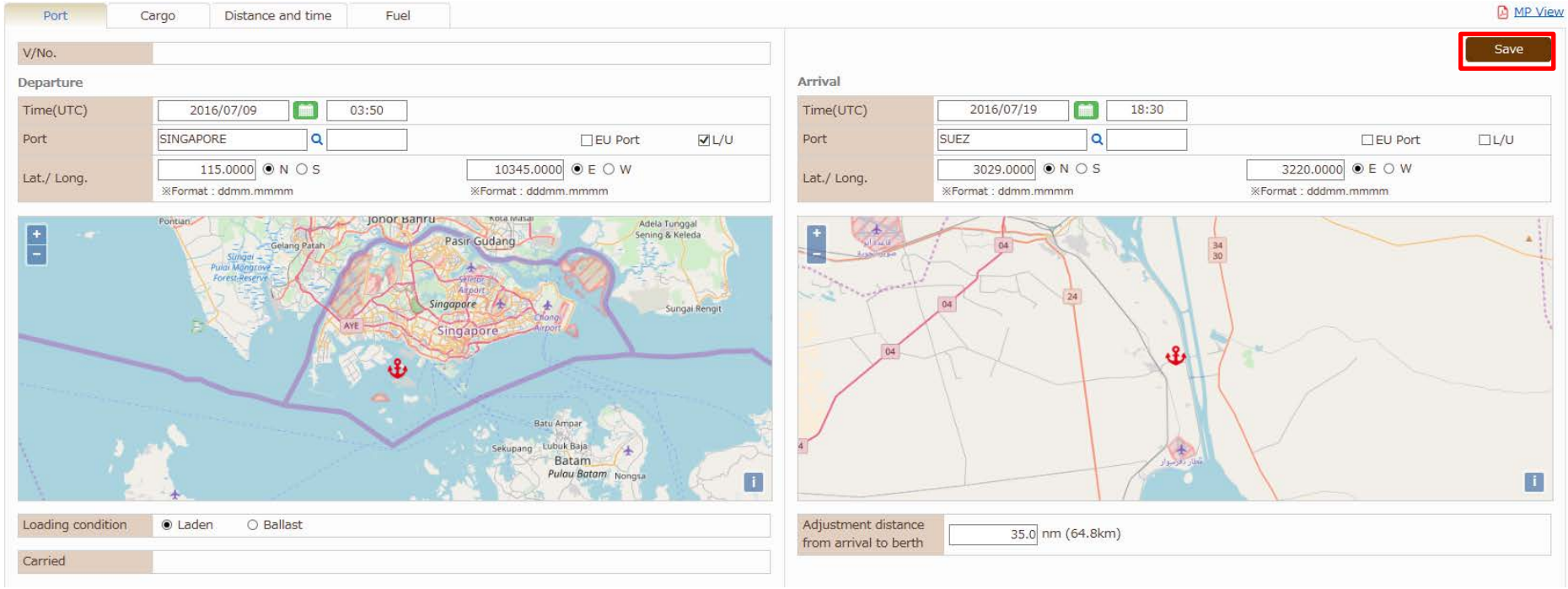



| | | | Departure | | | Arrival | | | | | | At Sea | | | In P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Error Mark | V/No. | Dep.Time(UTC) | Port | EU | Arr.Time(UTC) | Dep.Time(UTC) | Port | EU | Distance | Time | HSFO | LSFO | MGO | HSF |
| Detail | | | 2016/07/03 13:00 | YANTIAN | | 2016/07/06 01:35 | 2016/07/06 20:45 | CAIMEP,VUN | | 960.0 | 62.00 | 160.0 | 0.0 | 0.2 | |
| Detail | | | 2016/07/06 20:45 | CAIMEP,VUN | | 2016/07/08 07:10 | 2016/07/09 03:50 | SINGAPORE | | 778.0 | 34.00 | 134.0 | 0.0 | 0.1 | |
| Detail | | | 2016/07/09 03:50 | SINGAPORE | | 2016/07/19 18:30 | 2016/07/20 13:30 | SUEZ | | 5046.0 | 262.67 | 2895.17 | 0.0 | 0.38 | |
| Detail | | | 2016/07/20 13:30 | SUEZ | | | 2016/11/01 00:00 | | | 0 | 0 | 0.0 | 0.0 | 0.0 | |
| Detail | | 1111A | 2016/11/01 00:00 | TEST | | 2016/11/10 14:00 | | TEST2 | | 0 | 0 | 500.0 | 0.0 | 10.0 | |

[Port Tab]

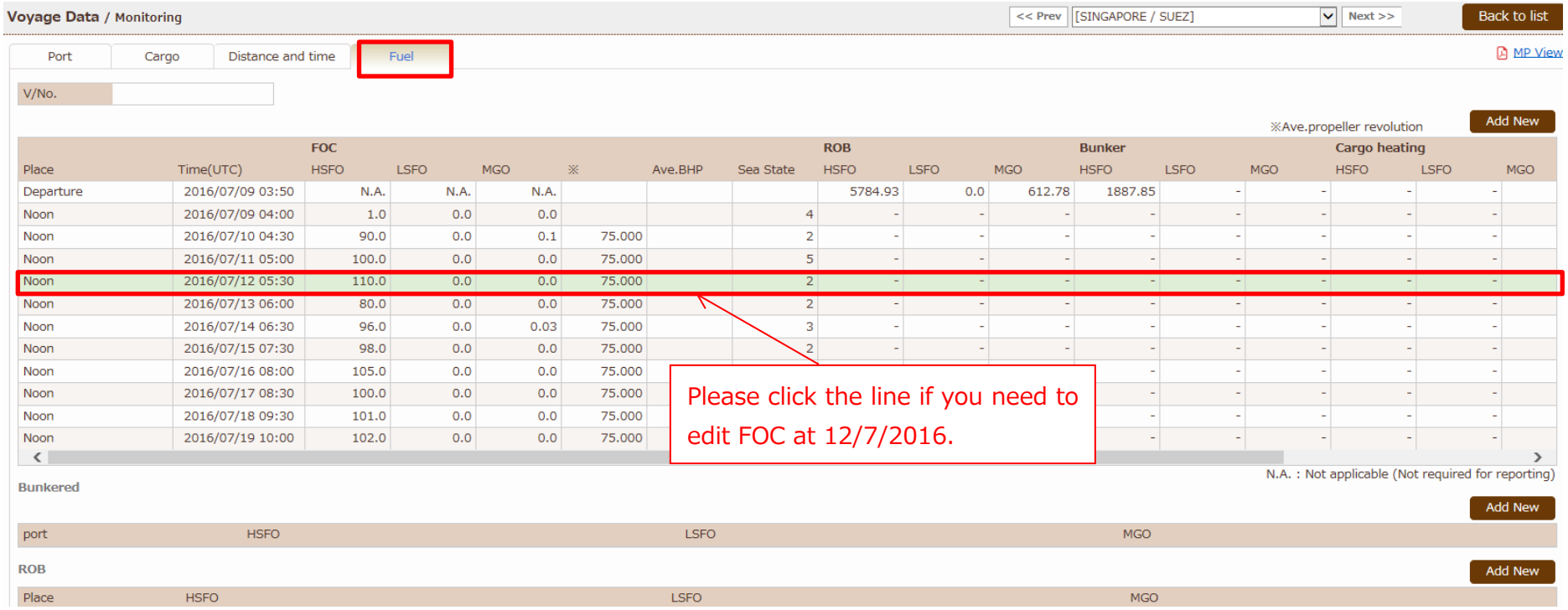
You can edit Port name, departure/arrival timing, port location, etc.

After editing data, please click “save” button to complete.

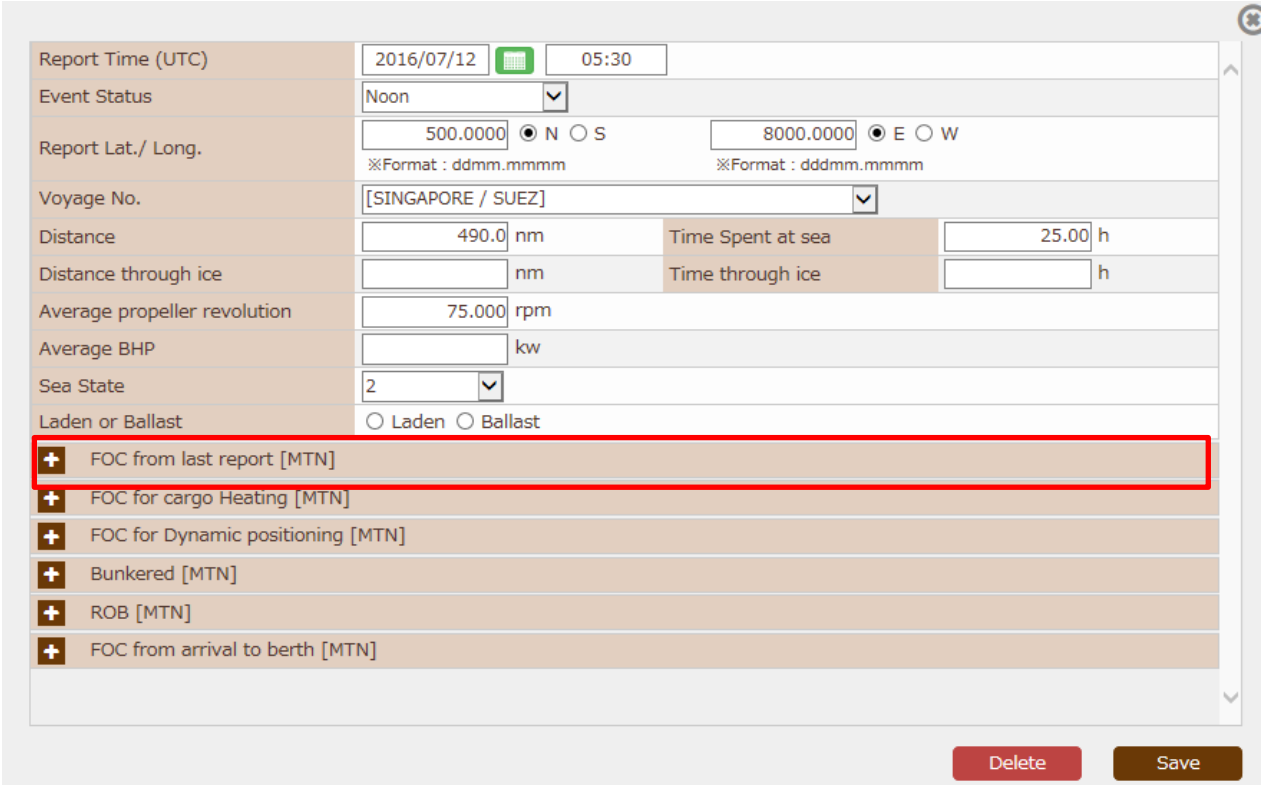


[Each Monitoring Data]

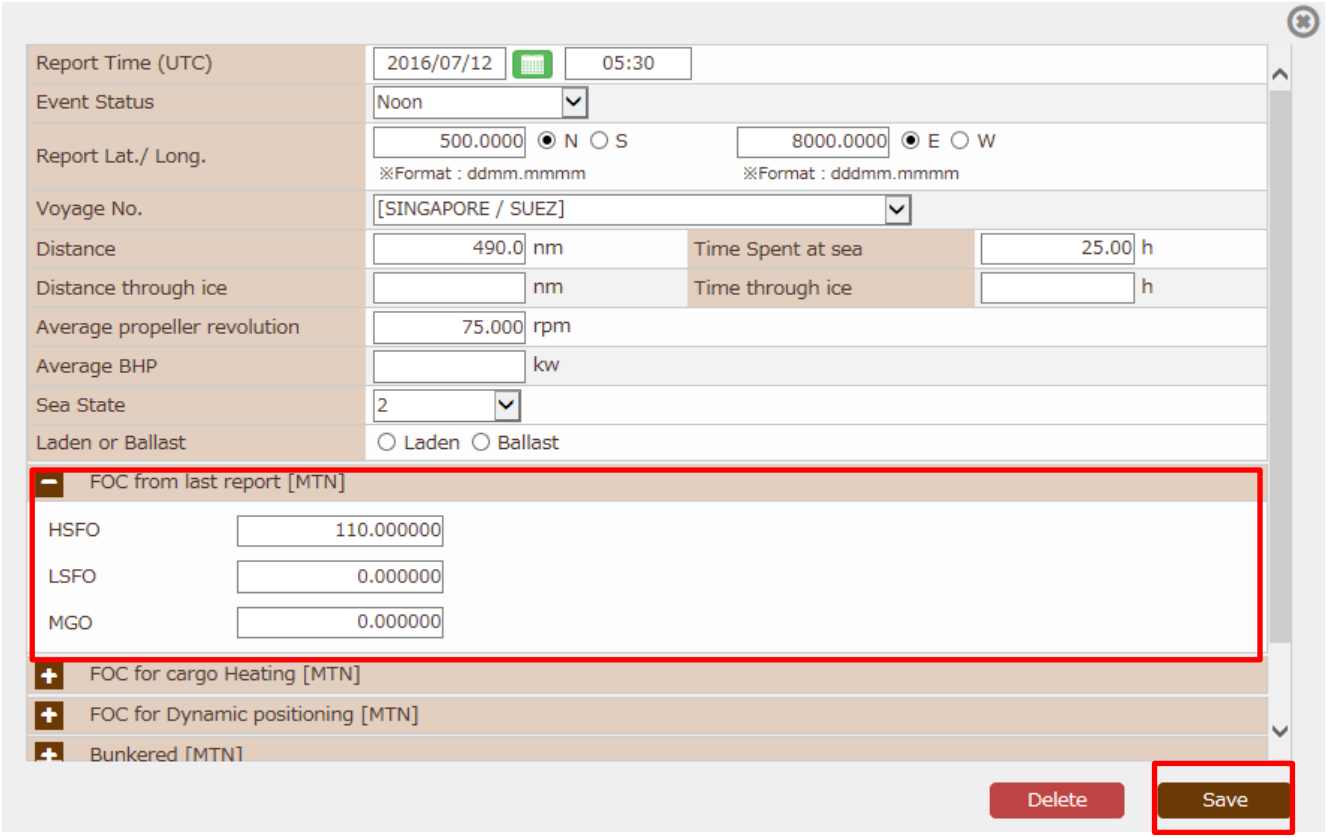
Please move to each tab you want to edit, such as “Distance Sailed” or “Fuel”.



After clicking, below display is shown. Please click “+” FOC from last report to edit.

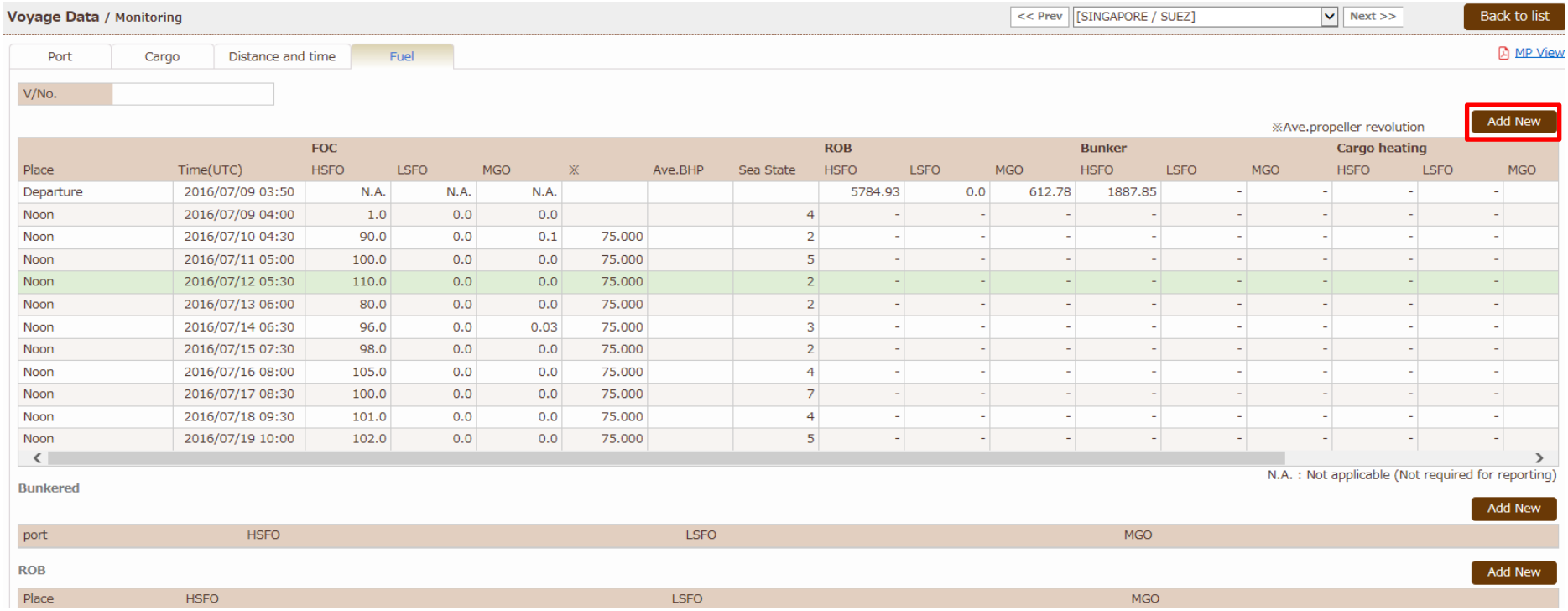


Please modify each fuels data and click save to complete.

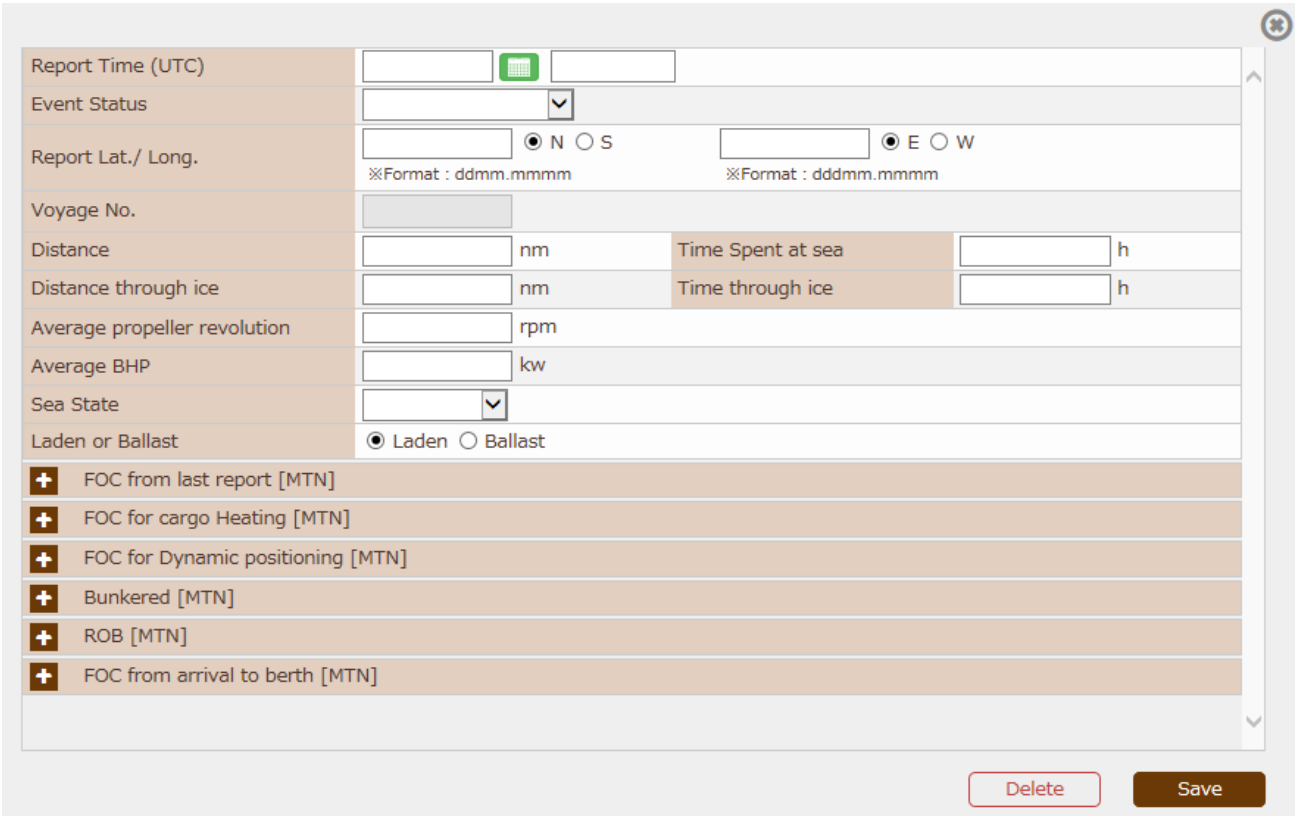


## ➢ Adding event data

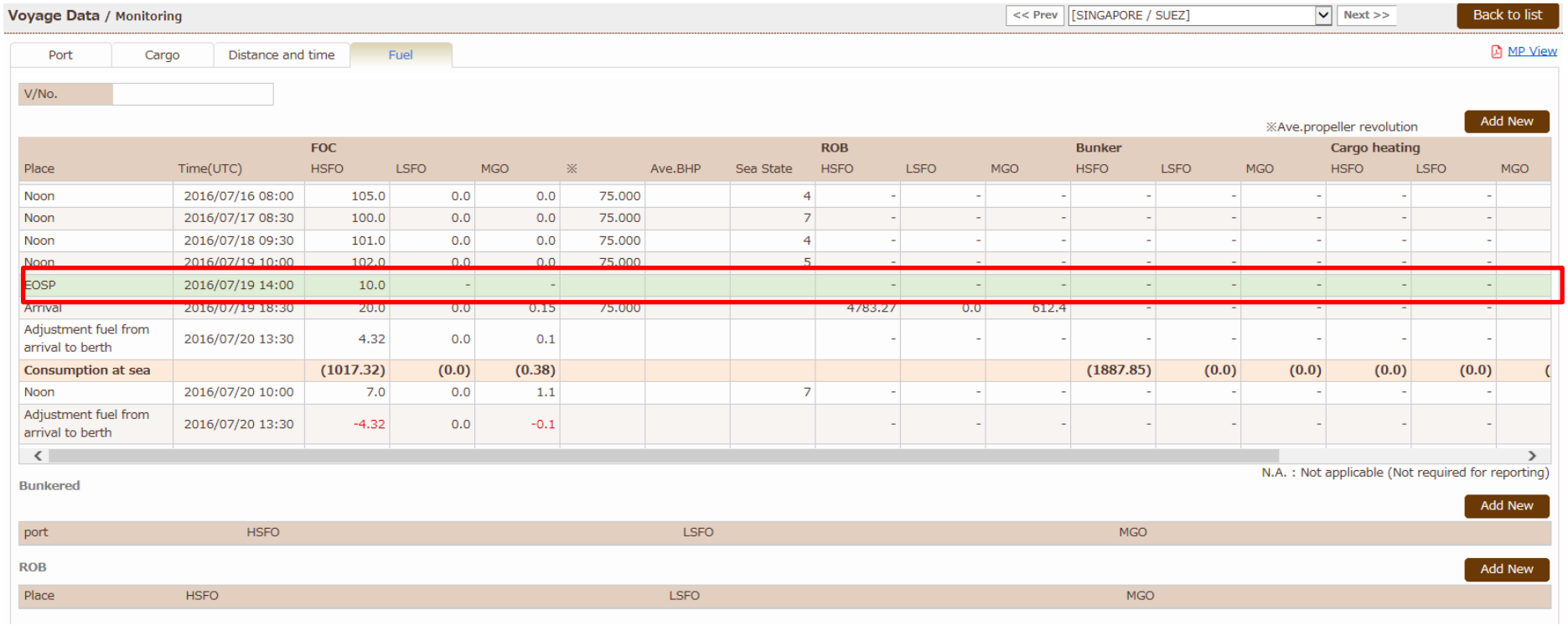
You can insert any event data. Please click “Add new” button.



Input display is as below. Please input necessary data and save to complete.



You can find inserted event data.



**Voyage Data** / Monitoring

<< Prev | [SINGAPORE / SUEZ] | Next >> | Back to list

Port | Cargo | Distance and time | Fuel

MP View

V/No.

※Ave.propeller revolution

Add New

| | | FOC | | | | | | ROB | | | Bunker | | | Cargo heating | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Place | Time(UTC) | HSFO | LSFO | MGO | ※ | Ave.BHP | Sea State | HSFO | LSFO | MGO | HSFO | LSFO | MGO | HSFO | LSFO | MGO |
| Noon | 2016/07/16 08:00 | 105.0 | 0.0 | 0.0 | 75.000 | | 4 | - | - | - | - | - | - | - | - | |
| Noon | 2016/07/17 08:30 | 100.0 | 0.0 | 0.0 | 75.000 | | 7 | - | - | - | - | - | - | - | - | |
| Noon | 2016/07/18 09:30 | 101.0 | 0.0 | 0.0 | 75.000 | | 4 | - | - | - | - | - | - | - | - | |
| Noon | 2016/07/19 10:00 | 102.0 | 0.0 | 0.0 | 75.000 | | 5 | - | - | - | - | - | - | - | - | |
| EOSP | 2016/07/19 14:00 | 10.0 | - | - | | | | - | - | - | - | - | - | - | - | |
| Arrival | 2016/07/19 18:30 | 20.0 | 0.0 | 0.15 | 75.000 | | | 4783.27 | 0.0 | 612.4 | - | - | - | - | - | |
| Adjustment fuel from arrival to berth | 2016/07/20 13:30 | 4.32 | 0.0 | 0.1 | | | | - | - | - | - | - | - | - | - | |
| **Consumption at sea** | | **(1017.32)** | **(0.0)** | **(0.38)** | | | | | | | **(1887.85)** | **(0.0)** | **(0.0)** | **(0.0)** | **(0.0)** | **(** |
| Noon | 2016/07/20 10:00 | 7.0 | 0.0 | 1.1 | | | 7 | - | - | - | - | - | - | - | - | |
| Adjustment fuel from arrival to berth | 2016/07/20 13:30 | -4.32 | 0.0 | -0.1 | | | | - | - | - | - | - | - | - | - | |

N.A. : Not applicable (Not required for reporting)

**Bunkered**

Add New

| port | HSFO | LSFO | MGO |
|---|---|---|---|

**ROB**

Add New

| Place | HSFO | LSFO | MGO |
|---|---|---|---|

## ➢ Delete voyage data

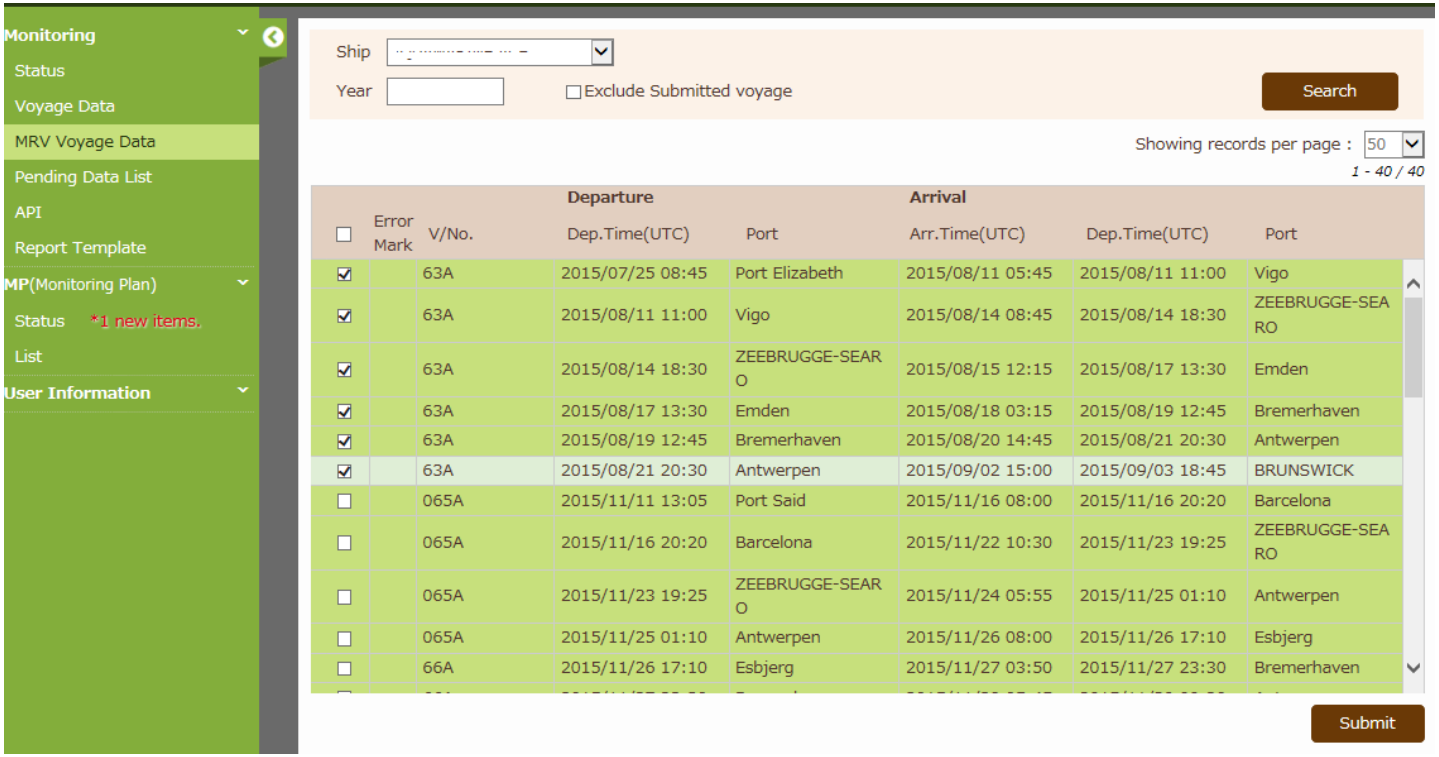
You can delete voyage data at once.

(Under development)

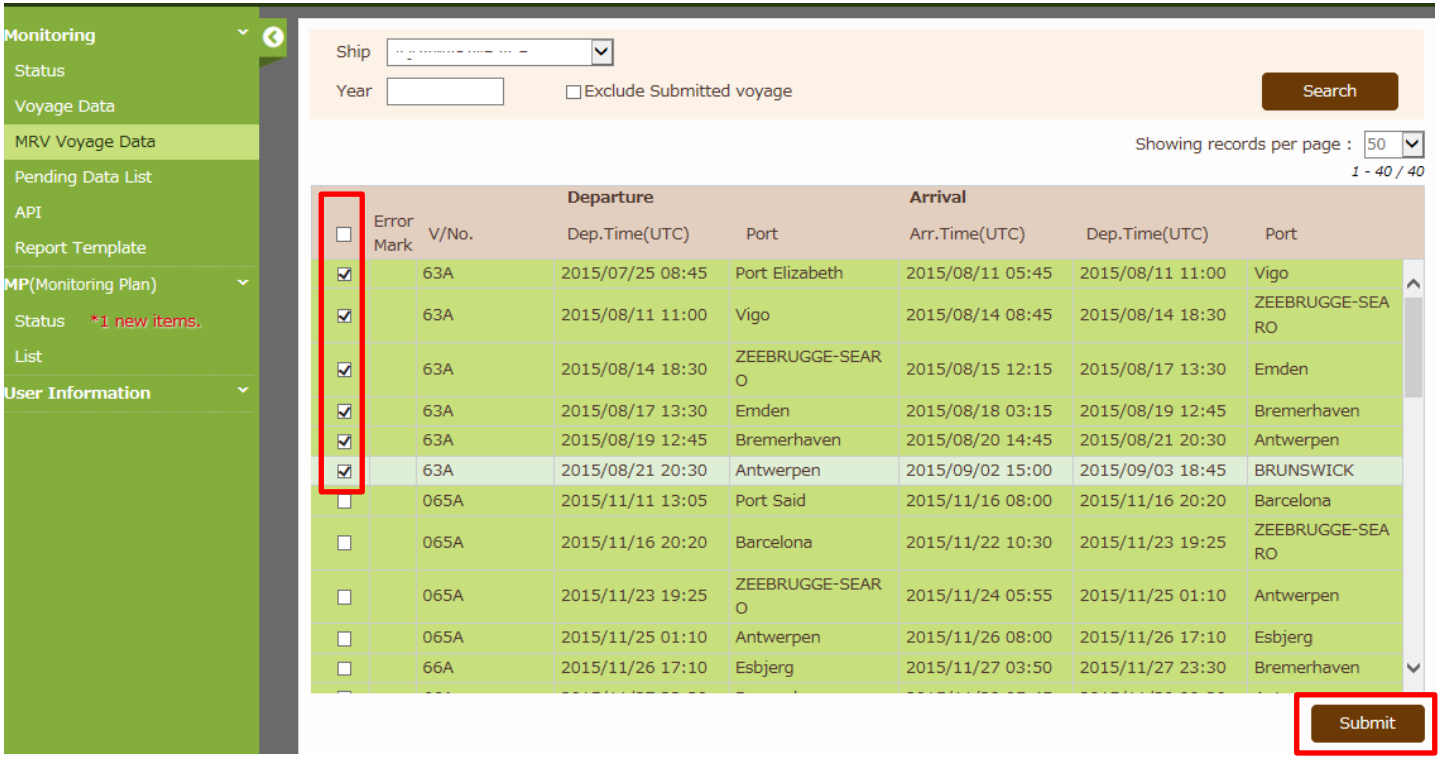
# 4. Submission of Monitoring Data

Voyage data stored in ClassNK MRV Portal will constitute “MRV Voyage Data” in accordance with MRV regulation.

Please find each MRV voyage data by “Monitoring – MRV Voyage Data” tab.



If the MRV voyage data is correct, please check and click “Submit” button to submit the data for verification.




End