ENHANCEMENTS TO MARITIME SINGAPORE GREEN INITIATIVE – GREEN PORT PROGRAMME

The Green Port Programme (GPP) is one of the programmes under the Maritime Singapore Green Initiative (MSGI) to encourage ocean-going vessels calling at the Port of Singapore to reduce the emission of pollutants.

2. Following a review of the MSGI, the GPP will be enhanced to further promote clean and green shipping within the port. The enhancements to the GPP are as follows:

   (i) 25% port dues reduction will apply to ocean-going vessels that use:
       a. LNG as a marine fuel in the Port of Singapore (new item); or
       b. Clean fuels with a sulphur content of ≤ 0.50% m/m (instead of ≤ 1.00% m/m); or
       c. Approved abatement/scrubber technology by which equivalent levels of sulphur oxide are achieved.

   (ii) The port dues reduction of 15% for ocean-going vessels that switch to clean fuels or use approved abatement/scrubber technology while at berth within Singapore limits will no longer be applicable.

3. The enhancements to GPP will come into effect on 1 Jul 2016.

4. To participate in the GPP, shipowners/charterers should ensure that their vessels are pre-registered under the GPP (via the Marinet) prior to calling the Port of Singapore. A step-by-step guide for registering of vessels under the GPP can be found in Annex I of this circular.
For every arrival call to the Port of Singapore, the vessel shall declare in the PAN (Pre-Arrival Notification) whether she will be participating in the GPP. A copy of the revised version of PAN is given in Annex II. Users can also download the latest version of PAN from the following weblink:

http://www.mpa.gov.sg/assets/app/ePANS/epan.html

**Existing vessels under the GPP**

6. All existing vessels under the GPP (registered on or prior to the date of this Port Marine Circular) will remain on the programme and be granted till 31 Jul 2016 to adhere to the sulphur content of ≤ 0.50% m/m. From 1 Aug 2016 onwards, the requirement for sulphur content of ≤ 0.50% m/m will apply to all vessels under the GPP.

7. Shipowners/charterers of existing vessels under the GPP may choose to opt out of the programme via Marinet. Refer to Annex I for steps to de-registration from the GPP.

**Terms and Conditions of the GPP**

8. Participants in the GPP should note the following terms and conditions:

(i) The GPP is only valid for ocean-going vessels. This port dues reduction is not applicable to harbour or pleasure craft.

(ii) Vessels under the current annual port dues scheme may participate and enjoy the port dues reduction of 25% for entire port stay of 5 days or less. The vessel shall use type-approved abatement/scrubber technology, burn clean fuels or LNG for every call to Singapore. In the event of non-compliance for any call, the entire reduction in annual port dues will be withdrawn and the owner/agent will be required to refund the reduction.

(iii) To qualify for the 25% reduction in port dues (throughout entire port stay of 5 days or less), the following must be adhered to:

a) Vessels using type-approved abatement/scrubber technology should maintain the use throughout the port stay (from point of entry into Singapore Port Limits till point of exit) to qualify for the concession. Supporting documents should be kept for a period of at least one year from the date of declaration and made available to MPA upon request.

b) Vessels burning clean fuels should initiate the switch to clean fuels (including LNG) for the main engine and auxiliary engine before entering Singapore Port Limits. The use of clean fuels (including LNG) should be maintained throughout the port stay to qualify for the concession. The switch over from clean fuels should only be initiated after leaving Singapore Port Limits. Vessels should maintain the information listed in Annex III for at least one year from the date of...
declaration. Copies of supporting documents such as the daily consumption record, relevant bunker delivery note(s), and engine records shall be made available to MPA upon request.

9. The GPP port dues reduction is valid in addition to any other concessions enjoyed by the vessels.

10. The Port Marine Circular (no. 6 of 2013) will be cancelled on 1 Jul 2016.

11. For any queries on the GPP, please send an email to greenport@mpa.gov.sg. For problems encountered with the GPP registration system, please contact the Marinet Helpdesk at 6375 1255.

CAPT DAKNASHAMOORTHY GANASEN
DIRECTOR (OPERATIONS) / PORT MASTER
FOR CHIEF EXECUTIVE
MARITIME AND PORT AUTHORITY OF SINGAPORE
Annex I

Step-by-Step Guide for Vessel Registration and De-Registration under the GPP

1. Registration of vessels under the Green Port Programme (GPP) must be made using a valid Marinet account. For non Marinet subscribers, please refer to the following link for the procedure to subscribe to Marinet (http://www.mpa.gov.sg/sites/global_navigation/e-services/e_services.page) and allow up to 3 working days for the processing of the application.

2. Upon logging in to Marinet (http://marinet.mpa.gov.sg), the GPP icon will appear on the left of the Marinet main page. Click on the icon to invoke the e-service, and follow the steps below:

   a. **Step 1 of 4 (Registration)**
      (i) Click on the hyperlink “Create/Update” to add a record in the GPP.

   b. **Step 2 of 4 (Create/ Update Vessel Operator)**
      (i) Enter the contact information of the vessel operator and local agents, if any. When completed, click on the “Next Page” button.

   c. **Step 3 of 4 (List of Registered Vessels)**
      (i) Click on “Add” button to register a vessel in the GPP.

   d. **Step 4 of 4 (Vessel Selection)**
      (i) Enter the first few characters of the vessel name, Call Sign or IMO number.
      (ii) Click on the “Search” button to retrieve a list of vessels that match the search criteria.
      (iii) Click on the vessel name in the list to register the vessel in the GPP

      *Abatement Technology:*
      (iv) Select “Yes” or “No” from the dropdown list in response to the question “Does the vessel use type-approved abatement / scrubber technology to reduce SOx emissions to ≤ 0.5% m/m?”
      (v) If the answer is “Yes”, please upload the relevant certification and documents to Marinet for verification by MPA.
      (vi) Proceed to 3) to enter the end of the time charter period, if applicable.

      *Clean Fuels (including LNG):*
      (vii) If the vessel does not use type-approved abatement/scrubber technology, please proceed to 2).
      (viii) Please fill in either one of the following:
          o The estimated average clean fuel (with sulphur content of ≤ 0.50% m/m) consumption per day in the Port of Singapore, or
          o The estimated average LNG consumption per day in the Port of Singapore.
      (ix) Proceed to 3) to enter the end of the time charter period, if applicable.
3. Successfully registered vessels will appear in the List of Registered Vessels. A detailed guide of the GPP e-service is available in the Marinet under the “Help” hyperlink.

**De-registering a Vessel from GPP**

4. To de-register a vessel from the GPP, please go through the steps in paragraph 2 of this Annex until you reach paragraph 2d. *(i.e. Step 4 of 4 (Vessel Selection))*.

5. On the Marinet page, go to 3) to enter the date for de-registration to take place. Vessels will be successfully de-registered from the GPP according to the date entered.
Annex II

PRE-ARRIVAL NOTIFICATION ("PAN") FORM (VERSION 6.0)

Please refer to Port Marine Circular no. 10 of 2016, “Revision to the Pre-Arrival Notification (PAN),” for more information.

To access PAN Form Version 6.0, please click on the following link:
http://www.mpa.gov.sg/assets/app/ePANS/epan.html

This form may take 15 minutes to complete. You will need the following information to complete the form:

1. Particulars of ship and contact details
2. Arrival voyage information
3. Security related information
4. Declarations

Pre-Arrival Notification (PAN)

Owners, Agents or Masters of:

a) Passenger ships including high-speed passenger craft,
b) Cargo ships, including high-speed craft, of 500 GT and above, and
c) Mobile offshore units, including mobile offshore drilling units

shall complete this form and email to jsps@mpa.gov.sg at least 24 hours before arrival into Singapore. A ship coming from a nearby port, with less than 24 hours steaming time to Singapore, shall immediately on departure from such port complete this form and email to jsps@mpa.gov.sg before arrival into Singapore.

* Denotes mandatory field

1. Particulars of ship and contact details

1.1 * IMO number:

1.2 * Name of ship:

1.3 * Port of registry:

1.4 * Flag State:

1.5 * Type of ship:

1.6 * Coll sign:

1.7 * Length Overall (LOA):

1.8 * Arrival Drafts:

1.9 * Air Draft:

1.10 * INMARSAT number:

1.11 * Gross Tonnage:

* MMSI number:

4.4 Maritime Singapore Green Initiatives

4.4.1 Will the vessel be using type-approved abatement/scrubber technology, clean fuel, or LNG, to ensure that the sulphur emissions remains at <=0.5% m/m throughout the stay within Singapore Port Limits?

☐ 1. No, not using
☐ 2. Yes, using. If vessel uses LNG dual-fuel propulsion system, please proceed to 3 below.

3. Please indicate which of the following applies to the LNG-dual fuel vessel:

☐ Vessel will be burning LNG
☐ Vessel will be burning clean fuel
SAMPLE RECORD TO BE MAINTAINED BY VESSELS

A. Information on initiation of fuel switch  
(Note: The information in the below table is not applicable to vessels which are designed to use ONLY clean fuels and/or LNG)

<table>
<thead>
<tr>
<th>INITIATION OF FUEL SWITCH</th>
<th>Main Engine</th>
<th>Auxiliary Engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before entering Singapore Port Limited</td>
<td>After entering Singapore Port Limited</td>
<td>Before entering Singapore Port Limited</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date (dd/mm/yy)</th>
<th>Time (24hr format)</th>
<th>Position</th>
<th>Latitude (dd°mm'ss'')</th>
<th>Longitude (dd°mm'ss'')</th>
</tr>
</thead>
</table>

B. Information on amount of clean fuel used

<table>
<thead>
<tr>
<th>AMOUNT OF CLEAN FUEL USED</th>
<th>While underway from Singapore Port Limit to berth*</th>
<th>While alongside</th>
<th>While underway from berth to Singapore Port Limit *</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Main Engine</td>
<td>Auxiliary Engine</td>
<td>Main Engine</td>
</tr>
<tr>
<td>MGO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LSMGO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LSFO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNG</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others:__________________</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* including stay in anchorage

NOTE:  
(1) Vessels should maintain the information for one year from the time of declaration.  
(2) Records used in other countries may be accepted if all the information required above is provided.