

Date of approval: 30 July 2019

No.	Related Documents	Status *
1	Latest version of Tide table	Active
2	ISPS ship pre-arrival form(F-51/52.001)	Active
3	Maritime Declaration of Health form (F-51/52.021)	Active
4	Shipping notice 2016/01 Minimum requirements for safe and efficient passage of sea-going vessels in Surinamese waters	Active
5	Chart no. SR2228 Corantijn and Nickerie River	Active
6	Shipping notice 2016/1 Nautical Accessibility Nickerie River	Replaced by Shipping notice 2019/01 Nautical Accessibility Nickerie River.
7	Relevant NtM of the area on www.mas.sr	Active

### Additional requirements for ships to navigate the Nickerie River

#### 1. Length overall (L.O.A.)

The maximum L.O.A. of a ship that can have a safe and smooth passage under the current conditions of the Nickerie River from the river mouth up to Nickerie Port is limited to 120 metres

#### 2. Tugboat assistance and bow thrusters.

- Tugboat assistance with a minimum capacity of 1500 hp is required for vessels with a LOA between 110 and 120metres .
- The tugboats assisting the vessels should be fit for duty and have a licensed tugboat operator.
- Bow thrusters are compulsory for vessels with LOA of 115 metres and upto 120 metres.

#### 3. Ships draft

The minimum chart depth in the mouth of the Nickerie River is 1.80 metres. Sea going vessels making use of the Nickerie River can load to 4.50 metres at MHWN (Mean High Water at Neap tide) and 5.00 (five) metres at MHWS (Mean High Water Spring). The draft of the ship is dependent of the tide by which MHWN indicates the lower limit of 4.50 metres is given and

MHWS the upper limit of 5.00 metres. The calculation is based on freshwater density (1.0 Kg/L).

**Table 1**

Water level	CD + waterlevel	Depth	Keel clearance	Draft
MHWN	1.80 m + 2.7m	4.5 m	0.10m	4.4 m
MHWS	1.8 m + 3.30 m	5.10 m	0.10m	5 m

**4. Draft calculation**

**WATERLEVEL: MEAN RIZE BY SPRING- AND NEAPTIDE**

Mean rise at neap tide: 2.70 m

Mean rise at springtide: 3.30 m

Bar depth in the Nickerie River Mouth: 1.80 m

<b>Neaptide to springtide</b>	<b>: 2.70 m.</b>
<b><u>Bar depth</u></b>	<b>: <u>1.80 m.</u></b>
<b>Total</b>	<b>: 4.50 m.</b>
<b><u>Keel clearance</u></b>	<b>: <u>0.10 m.</u></b>
<b>Shipsdraft to depart</b>	<b>: 4.40 m.</b>

At mean neap tide (2.70 m.) can safely load to ± 4.40 m.

<b>Spring to Neaptide</b>	<b>: 3.30 m.</b>
<b><u>Bar depth</u></b>	<b>: <u>1.80 m.</u></b>
<b>Total</b>	<b>: 5.10 m.</b>
<b><u>Keel clearance</u></b>	<b>: <u>0.10 m.</u></b>
<b>Shipsdraft to depart</b>	<b>: 5.00 m.</b>

At mean springtide (3.30 m.) can safely load to ± 5.00 m.

**Note: The calculations above are based on mean values. The actual tide can be lower or higher than the mean values. The day to day tidal information is published in the annual tide tables of the Maritime Authority of Suriname.**

**General Note:**

- In special or exceptional cases, the MAS is fully authorized to request tugboat assistance for partial or the entire distance to be navigated within the channel
- Vessels with bow thrusters which are not in good working condition are regarded as vessels without bow thrusters.
- For tugboat assistance tugboat operators/companies should possess a valid license for tugboat operations issued by the Maritime Authority Suriname.

Approved by the  
Maritime Authority Suriname,



Mr. M. Amafo LL.M  
Director