

Date of approval: January 26th, 2024

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	Questions related to the Ebola outbreak. (F51/52.027)	Active
5	Shipping notice 2015/01 Minimum requirements for safe and efficient passage of sea-going vessels in Surinamese waters	Active
6	Chart no. SR2228 Corantijn and Nickerie River	Active
8	Shipping notice 2019/01 Nautical Accessibility Nickerie River	Replaced by Shipping notice 2024/02 Nautical Accessibility Nickerie River.
9	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 120 meters.
- 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 up to 120 metres.

3. Ships draft

The minimum chart depth in the mouth of the Nickerie River is 1.00 metres. Sea going vessels making use of Nickerie River can load to 3.60 meters at MHWN (Mean High Water at Neap tide) and 4.20 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 3.60 metres is given and MHWS the upper limit of 4.20metres. The calculation is based on freshwater density (1.0 Kg/L).

Table 1

Water level	CD + water level	Depth	Keel clearance	Draft
MHWN	1.00 m + 2.7m	3.7 m	0.10m	3.6 m
MHWS	1.00 m + 3.30 m	4.3 m	0.10m	4.2 m

4. Draft calculation

Water level: mean rise by spring- and neap tide

Mean rise at neap tide: 2.70 m.

Mean rise at springtide: 3.30 m.

Bar depth in the Nickerie River Mouth: 1.00 m

Neap tide to spring tide	: 2.70 m.
<u>Bar depth</u>	: <u>1.00 m.</u>
Total	: 3.70 m.
<u>Keel clearance</u>	: <u>0.10 m.</u>
Ship draft to depart	: 3.60 m.

At mean neap tide (2.70 m.) can safely load to ± 3.60 m.

Spring to Neap tide	: 3.30 m.
<u>Bar depth</u>	: <u>1.00 m.</u>
Total	: 4.30 m.
<u>Keel clearance</u>	: <u>0.10 m.</u>
Ship draft to depart	: 4.20 m.

At mean springtide (3.30 m.) can safely load to ± 4.20 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. The calculation is based on freshwater density (1.0 kg/l).

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.
- A mooring boat must be on standby to assist with the mooring lines.
- For tugboat assistance tugboat operators/companies should possess a valid license for tugboat operations issued by the Maritime Authority Suriname.
- Draft calculation is based on freshwater.

Approved by the
Maritime Authority Suriname,


Mr. M. Amafo LL.M
Director