

Date of approval: December 2021

No.	Related Documents	Status *
1	Latest MAS 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 novel Coronavirus (COVID-19) outbreak (F51/52.034)	Active
5	Questions related to the Ebola outbreak (F51/52.027)	Active
6	Shipping notice 2015/01 Minimum requirements for safe and efficient passage of sea-going vessels in Surinamese waters	Active
7	Shipping notice 2018/03 nautical Accessibility Suriname River	Expired and replaced by Shipping notice 2021/06
9	Chart no 2675 Suriname River from Entrance to Toevlucht and corresponding ENC's no. SR2218A and no.SR2218	Active
10	Relevant NtM of the area on www.mas.sr	Active

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

#### Length overall (L.O.A.) and Beam

The maximum L.O.A. of a ship that can have a safe and smooth passage under the current conditions of the Suriname River from the river mouth up to Paranam must be no more than 225 (two hundred and twenty-five) meters.

The maximum beam is set at 35 (thirty-five) meters for the entire channel.

#### Tugboat assistance

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.

### Channel sections 1, 2 and 3.

Section no.	River section	CD (m)	Ship LOA	Channel boundary	Latitude	Longitude
1	From the Entrance of the Suriname river up to Sujafi jetty including Suhoza White Oil Bulk Storage Facility (SOL)- (km 58):	4.5	Determined by the accessibility of the jetty which will accommodate the vessel	A	6° 11.965'N	55° 12.708'W
				B	5° 47.229'N	55° 9.493'W
2	Sujafi Jetty up to Staatsolie Jetty (km61)	4.2	Determined by the accessibility of the jetty which will accommodate the vessel	B	5° 47.229'N	55° 9.493'W
				C	5° 46.006'N	55° 8.595'W
3	Staatsolie Jetty upto Groot Chatillon Anchorage (Paranam port)	4.0	225m	C D	5° 46.006'N 5° 37.041'N	55° 8.595'W 55° 4.182'W

### 1. Ships draft for section 1, 2 and 3

#### Section 1: Chart datum 4.5 meters, from A-B.

The minimum chart depth in **section 1 from A (River entrance) to B (Sujafi Jetty) is 4.5 (four and a half) meters**. Sea going vessels making use of the ports of this section in the Suriname River can load up to 6.35 (six 35/100) meters at MHWN (Mean High Water at Neap tide) and 6.9 (six 9/10) meters at MHWS (Mean High Water Spring) (see table 1).

**Table 1**

Water level	CD + water level	Depth	Keel clearance	Ship Draft
MHWN	4.5 m + 2.15 m	6.65 m	0.30m	6.35 m
MHWS	4.5 m + 2.80 m	7.30 m	0.40m	6.90 m

### Maximum Draft Calculation

WATERLEVEL: MEAN RISE BY SPRING- AND NEAP TIDE

Mean rise at springtide: 2.80 meters

Mean rise at neap tide: 2.15 meters

The CD in section1 : 4.5 meters.

<b>Spring to Neap tide</b>	: <b>2.80 m.</b>
Bar depth	: <u>4.50 m.</u>
Total	: 7.30 m.
Keel clearance	: <u>0.40 m.</u>
Ship's draft to depart	: 6.90 m.

At mean spring tide (2.80 m.) ship can safely load up to ± 6.90 m.

<b>Neap tide to springtide</b>	: <b>2.15 m.</b>
Bar depth	: <u>4.50 m.</u>
Total	: 6.65 m.
Keel clearance	: <u>0.30 m.</u>
Ship's draft to depart	: 6.35 m.

At mean neap tide (2.15 m.) ship can safely load up to ± 6.35 m.

### Section 2: Chart datum 4.2 meters, from B- C

The minimum chart depth in **section 2 from B (Sujafi Jetty) to C (Staatsolie Jetty) is 4.2 (four 2/10) meters**. Sea going vessels making use of the ports of this section in the Suriname River can load up to 6.05 (six 5/100) meters at MHWN (Mean High Water at Neap tide) and 6.6 (six 6/10) meters at MHWS (Mean High Water Spring) (see table 2).

**Table 2**

Water level	CD + water level	Depth	Keel clearance	Ship Draft
MHWN	4.2 m + 2.15 m	6.35 m	0.30m	6.05 m
MHWS	4.2 m + 2.80 m	7.00 m	0.40m	6.60 m

### WATERLEVEL: MEAN RISE BY SPRING- AND NEAPTIDE

Mean rise at springtide: 2.80 meters

Mean rise at neap tide: 2.15 meters

The CD in section 2: 4.2 meters.

<b>Spring to Neap tide</b>	: <b>2.80 m.</b>
Bar depth	: <u>4.20 m.</u>
Total	: 7.00 m.
Keel clearance	: <u>0.40 m.</u>
Ship's draft to depart	: 6.60 m.

At mean spring tide (2.80 m.) ship can safely load up to ± 6.60 m.

**Neap tide to springtide : 2.15 m.**

Bar depth : 4.20 m.

Total : 6.35 m.

Keel clearance : 0.30 m.

Ship's draft to depart : 6.05 m.

At mean neap tide (2.15 m.) ship can safely load to ± 6.05 m.

### **Section 3: Chart datum 4.0 meters, from C- D**

The minimum chart depth in **section 3 from C (Staatsolie Jetty) to D (Groot Chatillon Anchorage) is 4.0 (four) meters**. Sea going vessels making use of the ports of this section in the Suriname River can load up to 5.85 (five 85/100) meters at MHWN (Mean High Water at Neap tide) and 6.4 (six 4/10) meters at MHWS (Mean High Water Spring) (see table 3).

**Table 3**

Water level	CD + water level	Depth	Keel clearance	Ship Draft
MHWN	4.0 m + 2.15 m	6.15 m	0.30m	5.85 m
MHWS	4.0 m + 2.80 m	6.80 m	0.40m	6.40 m

### **WATERLEVEL: MEAN RISE BY SPRING- AND NEAPTIDE**

Mean rise at springtide: 2.80 meters

Mean rise at neap tide: 2.15 meters

The CD in section n3 : 4.0 meters.

**Spring to Neap tide : 2.80 m.**

Bar depth : 4.00 m.

Total : 6.80 m.

Keel clearance : 0.40 m.

Ship's draft to depart : 6.40 m.

At mean spring tide (2.80 m.) ship can safely load to ± 6.40 m.

**Neap tide to springtide : 2.15 m.**

Bar depth : 4.00 m.

Total : 6.15 m.

Keel clearance : 0.30 m.

Ship's draft to depart : 5.85 m.

At mean neap tide (2.15 m.) ship can safely load to ± 5.85 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).**

## **2. Anchorage areas**

Suzannasdaal Anchorage: 5°52' 9.08" N - 55° 5' 34.66" W

At present, local water depths are adequate for accommodating vessels at anchor with draughts of up to 6.9 meters.

Simonspolder Anchorage: 05°38'.812 N - 55°04'.023 W

At present, local water depths are adequate for accommodating vessels at anchor with draughts of up to 7.1 meters.

Groot Chatillon Anchorage: 05°36'.943 N - 55°04'.023 W

At present, local water depths are adequate for accommodating vessels at anchor with draughts of up to 8.1 meters

**Bridge Passage Jules Wijdenbosch bridge**

Location: latitude 05° 48.334'N- longitude 55° 9.830'W

<u>BRIDGE PASSAGE OVER THE SURINAME RIVER</u>			
Passage heights at the Tidal Waterlevels .			
Tidal W.L.	NSP	Passage Heights	
25 cm	-103 cm	44.03 m	
50 cm	-78 cm	43.78 m	
75 cm	-53 cm	43.53 m	
100 cm	-28 cm	43.28 m	
125 cm	-3 cm	43.03 m	
128 cm	0 cm	43.00 m	
150 cm	22 cm	42.78 m	
175 cm	47 cm	42.53 m	
200 cm	72 cm	42.28 m	
225 cm	97 cm	42.03 m	
250 cm	122 cm	41.78 m	
275 cm	147 cm	41.53 m	
300 cm	172 cm	41.28 m	
325 cm	197 cm	41.03 m	
<u>Note: Chart datum=LWS= -128cm NSP.</u>			

**3. Duty to Report**

The Vessel traffic control (VTC) must be notified on VHF channel 12 upon arrival at the following buoys: LS (Sea buoy) NA, J9, D2 and D10.

**General Note:**

- **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.**

**Approved by the  
Maritime Authority Suriname,**

**Mr. M. Amafo LL.M  
Director**