

**ORDER****№ Z-137****VARNA, 08.03.2024**

Regarding: *Maximum permitted ship's draft for canals and berths under the territorial responsibility of the Harbour Master of port of Varna.*

Determination of maximum allowed ship's draft as follows:

I. WHEN PASSING THROUGH CANAL №. 1 AND CANAL №. 2

Canal № 1	12.10 mtrs
Canal № 2	11.20 mtrs

Remarks:

- All ships with draft between 10.90m and 11.20m shall pass through Canal № 2 with the minimum safe speed and at a positive sea level.*
- When passing through the canals shall take into account the maximum permitted air draft of the ship, according to item 39 of Order No. 1/10.09.2018 of the "Maritime Administration - Varna" Directorate, as amended.*

Approaches to SPP Ship repair yard "Odessos" and SPP "Bulyard" (The Old canal, eastern approaches)	7.20 mtrs
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II. PASSENGER BERTHS

№ 1	/in front of the Sea Station/ 200 m in length fm bollard 27 to bollard 38	8.10 mtrs
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III. CARGO BERTHS IN THE "VARNA EAST" TERMINAL

№ 1	with length 130m (fm bollard 38 to bollard 44)	7. 10 mtrs
№ 2	with length 129m	5. 30 mtrs
№ 3	with length 169m (from the corner in west direction to bollard 59)	6.50 mtrs
№ 4	with length 169m fm bollard 59 to bollard 64	6.70 mtrs
	fm bollard 64 to 10m west of bollard 67 (70m)	7.70 mtrs
№ 5	with length 169m fm 10m west of bollard 67 to 15m west of bollard 74 (145m)	7.70 mtrs
	fm 15m west of bollard 74 to bollard 77 – depths sharply decrease	
№ 6	with length 145m fm bollard 77 to bollard 78	6.60 mtrs
	fm bollard 78 to bollard 80	7.80 mtrs

	fm bollard 80 to bollard 82	8.20 mtrs
№ 7	with length 190m	11.50 mtrs
№ 8	with length 146m	10.50 mtrs
№ 9	with length 204m (fm south corner to bollard 104)	10.50 mtrs
№ 10	with length 145m	
	fm bollard 104 to bollard 108	8.80 mtrs
	fm bollard 108 to the north corner	7.70 mtrs
№ 11	with length 110m (for ships up to 100m)	6.80 mtrs
№ 12	with length 241m	7.70 mtrs
№ 13	with length 198m	
	fm the east corner in west direction to bollard 130	6.10 mtrs
	fm bollard 130 to bollard 134	6.30 mtrs
	west of bollard 134 – the depths sharply decrease	

IV. CARGO BERTHS IN THE “VARNA WEST” TERMINAL

№ 0	with length 42m	7.10 mtrs
№ 1A	with length 102m	11.20 mtrs
	for ships < 185m	10.60 mtrs
	<i>Remark: Vessels over 185m in length may berth after coordination of the mooring scheme and the permissible draft with the Harbour master.</i>	
№ 1	with length 240m (from the corner to 10m west of bollard 19)	11.20 mtrs
№ 2	with length 200m (to bollard 29)	11.20 mtrs
№ 3	with length 138m	11.20 mtrs
№ 4	with length 140m (fm bollard 36 to bollard 43)	11.20 mtrs
№ 5	with length 155m	11.20 mtrs
№ 6	with length 215m	11.20 mtrs
№ 7	with length 153m	11.20 mtrs
№ 8	with length 155m	11.20 mtrs
№ 9	with length 160m	11.20 mtrs
№ 10	with length 160m (fm bollard 92 to the corner)	11.20 mtrs
№ 10A	with length 208m	11.20 mtrs
№ 11	with length 225m	11.20 mtrs
№ 12	with length 162m (from east corner to bollard 139)	10.80 mtrs
№ 13	with length 160m	
	fm bollard 139 to bollard 140	10.80 mtrs
	fm bollard 140 to 10m west of bollard 149	11.20 mtrs
№ 14	with length 160m (to bollard 160)	11.20 mtrs
№ 15	with length 169m	
	fm bollard 160 to bollard 169	11.20 mtrs
	fm bollard 169 to the end of the berth	10.90 mtrs
№ 16	with length 215m	10.60 mtrs
№ 17	with length 246m	11.20 mtrs

V. CARGO BERTHS IN THE “PETROL” TERMINAL

№ 1	for ships with maximum length 220m	7.50 mtrs
	with fenders	9.20 mtrs
№ 2	for ships with maximum length 185m	9.90 mtrs
№ 3	for ships with maximum length 110m	5.70 mtrs

VI. CARGO BERTHS IN THE “LESPORT” TERMINAL

№ 1	with length 130m	4.80 mtrs
	with fenders (W=2.80m)	5.10 mtrs
№ 2	with length 180m (fm south to north)	
	fm 0m to 25m (with or without fenders W=2.80m)	9.10 mtrs
	fm 25m to 135m (with or without fenders W=2.80m)	9.50 mtrs
	fm 135m to 180m (with or without fenders W=2.80m)	9.30 mtrs
№ 3	with length 140m (fm south to north)	
	fm 180m to 290m (with or without fenders W=2.80m)	9.20 mtrs
	fm 290m to 320m – the depths sharply decrease	

VII. CARGO BERTHS IN THE „FERRY COMPLEX-VARNA” TERMINAL

№ 1	North with length 210m	8.20 mtrs
№ 2	South with length 210m	8.20 mtrs

VIII. CARGO BERTHS IN THE „TPS – EZEROVO” TERMINAL (fm north to south)

№ 1	with length 207m	
	fm north end to 10m north of bollard 1 – depths unknown	
	fm 10m north of bollard 1 to 10m north of bollard 6 (120m)	8.10 mtrs
№ 2	with length 198m	
	fm 10m north of bollard 6 to bollard 9 (88m)	8.20 mtrs
	with fenders	8.50 mtrs
	fm bollard 9 to 10m south of bollard 13 (110m)	8.70 mtrs
	with fenders	8.90 mtrs
№ 3	with length 212m	
	fm 10m south of bollard 13 to bollard 15 (30m)	
	(with or without fenders)	10.20 mtrs
	fm bollard 15 to bollard 17 (32m)	10.40 mtrs
	fm bollard 17 to the south corner (150m)	11.20 mtrs
	fm bollard 15 to the south corner (182m) – with fenders	11.50 mtrs

IX. CARGO BERTHS IN THE „BALCHIK” TERMINAL (fm south to north)

№ 1	with length 124m	
	fm south end to north 100m	7.70 mtrs
	fm 100m to 124m	7.20 mtrs
№ 1A	with length 40m	7.10 mtrs

X. CARGO BERTHS IN THE „MARINE ANTIPOLLUTION ENTERPRISE JSCo - VARNA” (PChMV) TERMINAL

General Cargo Terminal:
fm bollard 1 to bollard 2 – depths variable

fm bollard 2 to the west, incl. 70m fm Berth № 6 of SPP SRY „Odessos”, for ships with maximum length 200m	8.00 mtrs
with fenders	9.90 mtrs
with pontoons (W=7.50m)	10.60 mtrs

Base Oil Terminal with length 130m 8.00 mtrs

Remarks: Ships with a maximum length of 147m, a deadweight of up to 22,000t or a maximum load of 12,000t can be handled. Berthing of vessels with maximum draft is carried out when the vessel is positioned within 60m west and 87m east of the center of the terminal.

XI. CARGO BERTHS IN THE „ODESSOS PBM – Varna” TERMINAL (fm west to south)

№ 1	with length 130m	6.80 mtrs
№ 2	with length 140m	6.80 mtrs
	with fenders W=2.50m	7.50 mtrs
№ 2A	with length 228m	
	fm west end to east 190m	6.70 mtrs
	fm west end to east 140m with fenders W=2.50m fm 140m to 190m	7.50 mtrs
	with fenders W=2.50m	7.10 mtrs
	from 190m to 228m the depths sharply decrease	

Remarks: When a ship is turning in the maneuvering area she shall not approach less than 40m from the west corner of the quay.

XII. BERTHS IN THE SPECIAL PURPOSE PORT “TEREM – KRZ FLOTSKI ARSENAL - VARNA”

№ 1	with length 150m	
	fm 0m to 80m fm west to east	5.70 mtrs
	fm 80m to 150m	5.90mtrs
№ 2	with length 140m	
	fm 0m to 120m fm west to east	5.80 mtrs
	fm 120m to 140m - the depths sharply decrease	
№ 3	with length 120m	
	Due to limited depths in the maneuvering area vessels may approach with maximum draft	6.60 mtrs
№ 5	with length 130m	4.50 mtrs
№ 6	Floating quay with length 59m	
	10m fm west to east	5.20 mtrs
	next 39m	7.10 mtrs
	last 10m - the depths sharply decrease	
Floating quay № 1 with length 110m		
East	fm 0m to 95m fm north to south	6.60 mtrs
	fm 95m to 110m	5.00 mtrs
West	fm 0m to 95m fm north to south	6.40 mtrs
	fm 95m to 110m	4.60 mtrs
Floating quay № 2 with length 110m		
East	fm 0m to 70m fm north to south	6.60 mtrs

	fm 70m to 100m	6.20 mtrs
	fm 100m to 110m	5.10 mtrs
West	fm 0m to 100m fm north to south	6.20 mtrs
	fm 100m to 110m	5.80 mtrs
Floating quay № 3 with length 63m		
East	fm 0m to 40m fm north to south	4.70 mtrs
	fm 40m to 63m	4.00 mtrs
West	fm 0m to 50m fm north to south	4.70 mtrs
	fm 50m to 63m - the depths sharply decrease	

Floating Dock № 1

South board 139m - due to limited depths in the area vessels may berth with maximum draft	7.10 mtrs
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XIII. BERTHS IN THE SPECIAL PURPOSE PORT SRY „ODESSOS”

№ 1	with length 180m	5.90 mtrs
№ 2	with length 243m (fm south to north) fm the south end to 145m	5.70 mtrs
	fm 145m to 200m – catwalk floating dock	
	fm 200m to 243m	5.00 mtrs
№ 3	with length 61m	5.00 mtrs
№ 4	with length 263m (fm west to east) fm 0m to 30m	5.60 mtrs
	fm 30m to 263m	6.50 mtrs
№ 5	with length 167m (fm south to north) fm the south end to 120m	5.00 mtrs
	fm 120m to 135m - pathway floating dock	
	fm 135m to 167m	4.40 mtrs
№ 6	with length 260m (fm west to east) fm 0m to 20m – the depths sharply decrease	
	fm 20m to 90m	6.00 mtrs
	fm 90m to 160m	6.30 mtrs
	fm 160m to 200m	7.80 mtrs
	fm 200m to 260m (border with PChMV-Varna)	8.00 mtrs

Floating dock № 2 north side (with length 210m) max ship breadth 33m (coordination with SPP Bulyard when B > 16m)	7.20 mtrs
Floating dock № 2 south side (with length 120m)	7.00 mtrs

Floating dock № 3 north side (with length 238m)	7.20 mtrs
Floating dock № 3 south side (with length 200m)	7.00 mtrs

XIV. BERTHS IN THE SPECIAL PURPOSE PORT “BULYARD”

№ 0	with length 135m	5.50 mtrs
№ 1	with length 135m (fm north to south) fm 0m to 30m – depths unknown	
	fm 30m to 135m	5.30 mtrs
№ 2	with length 188m (fm north to south) fm 0m to 45m – depths variable	

	fm 45m to 188m	5.30 mtrs
№ 3	with length 188m	5.30 mtrs
№ 4	with length 84m	5.70 mtrs
№ 5	with length 60m	5.00 mtrs
№ 6	with length 210m	5.40 mtrs
№ 7	with length 210m (fm west to east)	
	fm 0m to 195m	5.20 mtrs
	fm 195m to 210m the depths sharply decrease	

XV. BERTHS IN THE SPECIAL PURPOSE PORT „MTG - DOLPHIN”

№ 1	with length 168m and extension of the pier in the southern direction 65m (total length 233m), with the possibility of mooring ships with a maximum length of 225m	
	fm the south corner of the quay to 135m in north direction	5.30 mtrs
	fm 135m to 215m in north direction	4.90 mtrs
	fm 215m to the northern corner of the quay – depths unknown	
№ 2	with length 170m and possibility of mooring ships with a maximum length of 225m	
	from the west end to the corner of the pier	6.10 mtrs
	fm the corner of the quay to east 55 m	5.50 mtrs
Bollards № 1, 2 and 3	with safe length for mooring 160m	
	fm the western corner to east 110m	5.20 mtrs
	fm 110m to 160m	4.70 mtrs
	<i>Remark: If a ship is moored at Berth No.2, the maximum draft for mooring a ship is limited to 4.80m from the western end to 110m.</i>	
Bollards № 4 and 5	with safe length for mooring 110m	4.70 mtrs
Eastern side „Floating Dock № 1”	– with length 180m – maximum ship’s length 200m and breadth 33m	8.90 mtrs
Western side „Floating Dock № 1”	– with length 180m – maximum ship’s length 200m and breadth 33m	9.70 mtrs
Eastern side „Floating Dock № 2”	– with length 140m – maximum ship’s length 162m and breadth 24m	8.30 mtrs
Western side „Floating Dock № 2”	– with length 140m – maximum ship’s length 162m and breadth 24m	5.10 mtrs

XVI. BERTHS IN THE SPECIAL PURPOSE PORT „BULPORT LOGISTICA”

№ 1	with length 98m (fm west to east)	
	fm the western corner 15m	3.30 mtrs
	fm 15m to the eastern corner	4.60 mtrs
№ 2	with length 50m	4.00 mtrs
№ 3	with length 120m (fm east to west)	
	fm the eastern corner 85m	3.00 mtrs
	fm 85m to the western corner	2.50 mtrs
№ 4	with length 50m	2.40 mtrs
Approach to the north bay (helling)		2.80 mtrs
Approach to the north bay (slip)		3.20 mtrs

XVII. BERTHS IN THE SPECIAL PURPOSE PORT “STF”

Berth with length 130m (fm south to north)	
fm the south corner of the quay 45m	4.20 mtrs
fm 45m to 95m	3.20 mtrs
fm 95m to 130m	2.90 mtrs
Berth with length 12m	4.50 mtrs

XVIII. GENERAL INSTRUCTIONS

- 1.The declared drafts with fenders are calculated for width of the fender 3.60m unless otherwise indicated.
- 2.When handling a ship using fenders safe access to the ship must be provided with a ship's or shore gangway.
- 3.Ships with a maximum permissible draft shall maintain angle of list of no more than 1°.
4. The maximum permitted drafts are calculated for sea level 0 and provide safe depth below the keel of 1' (ft) when maneuvering and berthing in harbour waters and of 3' (ft) when navigating the canals.

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Varna Directorate
Harbour Master of port of Varna