Anchoring of Floating Structures

• If you want to receive any information from below, please indicate your enquiry on the boxes.

1.	Desc	Description of Anchoring Systems	
	1.1	Description and Characteristics of Anchor Lines.	
	1.2	Description and Characteristics of Anchors.	
2.	ENVIR	RONMENTAL LOADS ON FLOATING STRUCTURES	
	2.1	Definition of Environmental Conditions.	
	2.2	Wind Loads on Floating Structures.	
	2.3	Current Loads on Floating Structures.	
	2.4	Wave Action Loads on Floating Structures.	
3.	Desig	of Anchoring Lines	
	3.1	Geometry of Anchoring Lines.	
	3.2	Behavior of Two Opposing Lines.	
	3.3	Line Force Calculations.	
	3.4	Safety Factors for Anchoring Systems.	
	3.5	Line Choice and Dimensioning.	
4.	<u>Soil</u>	SURVEYS BEFORE INSTALLATION OF ANCHORING SYSTEMS	
	4.1	Characterization of Seafloors and Soils.	
	4.2	Soil Survey Before Anchor Setting.	
5.	. Holding Power of Anchors		
	5.1	Anchor Work Kinematics.	
	5.2	Anchor Holding Power Parameters.	
	5.3	Predicting the Holding Power of Anchors.	
	5.4	Prediction Tests Using Small-Sized Anchors.	
	5.5	Anchor Line Friction on the Seabed.	
6.	Сною	ce of Anchor: Type and Size	
	6.1	Anchor Selection Criteria.	
	6.2	Comparative Performance of Different Anchor Types.	
	6.3	Anchor Dimensioning.	
7.	INSTALLATION AND CHECKING OF ANCHORING SYSTEMS		
	7.1	Installation of Anchoring Systems.	
	7.2	Anchor Couplings.	
	7.3	Recovery of Anchoring Systems.	
	7.4	Checking of Anchoring Systems.	
	7.5	Anchor Line Corrosion.	
8.	<u>Anch</u>	<u>oring Tests</u>	
	8.1	Determination of the Test Load.	
	8.2	Load Application.	
	8.3	Practical Performance of the Anchoring Test.	
	8.4	Measurements and Checks During the Test.	
	8.5	Validity of Anchoring Tests.	
	8.6	Examples of Anchoring Tests.	