

ZHELYEZY G., ZADOROZHNYI A.

MASTER'S HANDBOOK

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In the book aspects of activity of the Master and navigators are stated. The main concepts of international law and accumulation of evidence are considered by navigators. Advisories on organization of the bridge depending on sailing conditions in correspondence to requirements of the Safety Management System are made by security of the company as that demands ISM Code and International conventions. Methods of development of the plan of transition are reflected. Main pointing methods on an earth's surface are shown. Necessary data on geographical co-ordinate system and the navigation devices, most often used in offshore navigation are fetched. Navigational charts and benefits for floating, and also methods of fulfillment of their proof-reading, system MAMS are described. Short data on methods of a fix of a vessel depending on usage of this or that navigation device are located. Methods of carrying out of maneuverable operations in port waters are shown. The anchoring and measure methods which are conducted by navigators, in case of ship drift origin are described. Advisories on action of navigators in various conditions of floating are made. Methods of fulfillment of anchor and mooring operations are shown. The attention of watch service to observance of requirements on safe carrying out of cargo operations and correct action at origin of a roll of a vessel, storm approach etc. is paid, and also advisories on a management of ship are made at floating in difficult conditions. Questions of carrying out of salvage operations are considered. The Global Maritime Satellite System for distress and for safety is described. The special attention is converted on availability of crew for emergency conditions. The device of various types of ocean vessels is shown. Necessary requirements of the Register and International conventions on observance of an intact stability and strength of a vessel both on transition by sea are fetched, and at parking in a port. Marine chartering questions are considered. Differences between existing forms of sea carriage contracts are shown. The attention of captains is converted on correctness and a correctness of signing of Bill of Ladings and other cargo bills and to fulfillment of voyage instructions of charterers. It is described carrying out of cargo operations at a jetty, at a mono-buoy and a supply vessel. The main data on properties of goods, their accommodation, lying are fetched the attention is etc. directed to safe working conditions. The rights and obligations of the captain and other crew members are rendered concrete, relationships between the ship Master and crew members, the permission of Labour disputes and relationship with ITF, contraband and drug usage cases on vessels, casualties with people, and also questions of protection of a vessel and to methods of scrambling with a piracy are considered. Pays attention of the captain and navigators to any carrying out different inspections in ports. The attention is directed to the Parisian and Tokyo memorandums and procedures of their carrying out Inspections of vessels by world leading companies are considered also. As the practical benefit for captains, navigators and mechanics of transport fleet and cadets specialties of marine educational institutions.

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CONTENTS		
	INTRODUCTION	13
	ABBREVIATIONS	15
1.	THE INTERNATIONAL MARITIME LAW	19
1.1.	Application of the International Maritime Law	19
1.2.	Legal Concept of a Vessel	20
1.3.	The Proprietor of a Vessel and the Ship-owner	33
1.4.	Duties of the Flag State	33
1.5.	The Master of a Vessel	34
1.6.	A Vessel in the High Sea	40
1.7.	Passage through Territorial Sea	41
1.8.	Internal Sea Waters	43
1.9.	Sailing in Straits	45
1.10.	An Exclusive Economic Zone	46
1.11.	Continental Shelf	47
1.12.	The International Rivers	48
1.13.	Vessel Prosecution	48
1.14.	Arrest and Releasing of Vessels	49
2.	INTRODUCTION IN BRIDGE RESOURCE MANAGEMENT	52
2.1.	Definition of Bridge Resource Management	52
2.2.	Description of Bridge Resource Management	52
2.3.	Implementation of Bridge Resource Management	53
2.4.	Definition of Human Factor	54
2.5.	Human Factors Issues	55
2.5.1.	Safety Culture	55
2.5.2.	Reporting Culture	56
2.5.3.	Procedure	56
2.5.4.	Training	57
2.5.5.	Communications	57
2.5.6.	Reporting in Case of Serious Accident or Incident	59
2.5.7.	Emotional Climate	60
2.5.8.	Stress	60
2.5.9.	Fatigue	61
2.5.10.	Competence	66
2.5.11.	Leadership and Management	67
2.6.	Marine Incidents	68
2.6.1.	Concept of Marine Incident	68
2.6.2.	Model of Accident Causation	70
2.6.3.	Classification of Marine Incidents	71
2.6.4.	The Factors of Marine Accidents	72
2.6.5.	The Reasons of Marine Incidents	73
2.7.	Risk Assessment	73
2.7.1.	Assessment Procedures	74
2.7.2.	Identification and Response to Potential Hazards is an On-going Responsibility of All Personnel	76
2.7.3.	Non-routine Operations	77
2.7.4.	Routine Operations	77
2.7.5.	How to Conduct a Risk assessment	78
2.7.6.	Example of Hazards	82
3.	BRIDGE ORGANIZATION	84
3.1.	Bridge Team	85
3.2.	Company Standing Orders	88
3.3.	Master's Bridge Standing Orders	89
3.4.	Taking Over the Navigation Watch by the Going on the Watch OOW	94
3.5.	Keeping the Navigation Watch at Sea by the Officer on Watch	95
3.6.	Keeping Navigation Watch at an Anchorage	97
3.7.	Watch-keeping in a Port	97
3.8.	Navigation Audit	99
4.	PASSAGE PLANNING	103
4.1.	Passage Evaluation	105

4.2.	Aspects of Passage Planning	111
4.3.	Some Particulars of Passage Planning for Coastal Sailing and Congested Areas	115
4.4.	Passage Track Choosing	116
4.5.	Passage Plan Control	118
4.5.1.	Position Fixing	119
4.5.2.	The Position Fixing Procedure and the Fixing Technique Choice	119
4.5.3.	IMO Requirements to the Accuracy of Navigation	120
4.5.4.	Graphical Dead Reckoning	121
4.5.5.	Taking into Account the Wind-Induced Drift	122
4.5.6.	Noting the Current	122
4.5.7.	Summarized Noting of Wind Drift and Current Drift	123
4.5.8.	Position Fixing Using Visually Observed Landmarks	123
4.5.9.	Cross Bearing	124
4.5.10.	Position Fixing Using the Radar Station	125
4.5.11.	Position Fixing Using Space Satellite Data	126
4.5.12.	Celestial Observations	127
4.5.12.1.	Principles and Technique of the Ship Position Fixing	127
4.5.12.2.	Declinations and Greenwich Hour Angles Finding	127
4.5.12.3.	Celestial Body Altitude Measurements Technique	128
4.5.12.4.	Ship's Position Fixing	130
4.5.12.5.	Latitude Fixing by the Solar Meridian Altitude	131
4.5.12.6.	Latitude Fixing by the Pole Star Altitude	131
4.5.12.7.	Compass Error Evaluation	131
4.6.	Non-Navigable Areas	132
4.7.	Safe Traffic Lane	133
4.8.	Tide Gap	134
4.9.	Safe Under-Keel Clearance for Shallow Water Areas	134
4.10.	Point of Return	135
4.11.	Transfer to Another Chart	136
4.12.	Parallel Indexes	136
4.13.	Identification of the Point where the Rudder should be Applied	136
4.14.	Alignment Line	137
4.15.	Piloting Isoline	137
4.16.	Guarding Isolines	138
4.17.	Planning Actions to be Taken In Unforeseeable Circumstances	139
4.18.	The Vessel's Maneuvering Elements	139
4.18.1.	Turning Performance	139
4.18.2.	Stoppage Ability	141
4.19.	IALA Buoyage System	143
4.19.1.	Lateral Marks	143
4.19.2.	Cardinal Marks	144
4.19.3.	Buoys Indicating Isolated Dangers	145
4.19.4.	Marks Identifying the Fairwater Initial Points and Fairwater Axis	145
4.19.5.	Special Purpose Marks	146
4.19.6.	Marking New Dangers	146
4.20.	Navigation equipment	146
4.20.1.	Magnetic Compass	146
4.20.1.1.	The Terrestrial Magnetic Field	146
4.20.1.2.	Magnetic Compass General Outfit	148
4.20.1.3.	Magnetic Compass Deviation	148
4.20.1.4.	Semicircular Deviation Correction applying the Erie Technique	150
4.20.1.5.	Quadrant Deviation and Deviation from Induction Correction	152
4.20.1.6.	Heeling Deviation Correction	152
4.20.1.7.	Deviation Tables and its Correction During the Voyage	152
4.20.1.8.	Flag State Requirements	154
4.20.2.	Gyro Compasses	154
4.20.2.1.	Pendular Gyro Compasses	156
4.20.2.2.	Adjustable Gyro Compasses	157
4.20.3.	Logs	159
4.20.4.	Radar	160
4.20.5.	ARPA	164
4.20.6.	Echo Sounders	165
4.20.7.	Propulsion Complex	166

4.20.7.1.	SOLAS-74 Requirements to Steering Gear	166
4.20.7.2.	Propulsion Gear	169
4.20.7.3.	Steering Gear	171
4.20.7.4.	Autopilot	172
4.20.8.	AIS	174
4.20.9.	ECDIS	175
5.	NAVIGATION IN SPECIFIC CONDITIONS	177
5.1.	Approaching the Port, Berthing and Unberthing	177
5.1.1.	Concert of Safe Port	177
5.1.2.	Approaching to Port Area	178
5.1.3.	Mooring Gear	179
5.1.3.1.	Mooring Lines	180
5.1.3.2.	Mooring Winches	180
5.1.3.3.	Bits	182
5.1.3.4.	Fairleads and Mooring Hawses	182
5.1.3.5.	Mooring Chocks with Guiding Rollers	182
5.1.3.6.	Reels	183
5.1.3.7.	Heaving Lines and Fenders	183
5.1.3.8.	Mooring Capstans	183
5.1.3.9.	Portable Stoppers	183
5.1.3.10.	Defining the Number of Mooring Ropes or Wires	184
5.1.4.	Mooring Lines Rigging Diagram	184
5.1.5.	Berthing the Ship	185
5.1.5.1.	Berthing the Ship Using Her Own Resources in Favourable Weather	185
5.1.5.2.	Mooring Alongside with the Wind from Ashore	186
5.1.5.3.	Mooring Alongside with the Wind Blowing From Seawards	187
5.1.5.4.	Mooring Alongside with the Head Wind	188
5.1.5.5.	Mooring Alongside with the Fair Wind	188
5.1.5.6.	Mooring at the Current	188
5.1.5.7.	Mooring by Stern	188
5.1.5.8.	Mooring to a Berth with the Anchor Dropped	189
5.1.5.9.	Berthing with Tugs Assistance	190
5.1.5.10.	Using a Single Tug Assistance	191
5.1.5.11.	Using Tugs for Large-Capacity Ships' Mooring and Berthing	191
5.1.5.12.	Unmooring	192
5.1.5.13.	Shifting of a Vessel Along a Berth	193
5.1.5.14.	Mooring in Ice Condition	193
5.1.6.	Ship to Ship and SBM Operation	193
5.1.6.1.	Ship Compatibility and Notification	194
5.1.6.2.	Weather Conditions	195
5.1.6.3.	Equipment	195
5.1.6.4.	Preparation of Ships for Maneuvers Begin	197
5.1.6.5.	Maneuvering Alongside with Two Ships Under Way	197
5.1.6.6.	Unmooring After Underway Transfer	199
5.1.6.7.	Maneuvers with One Ship at Anchor	200
5.1.6.8.	Unmooring While One Ship is at Anchor	200
5.1.6.9.	Mooring Alongside the Drifting Ship	201
5.1.6.10.	Mooring During SPM Operation	201
5.1.6.11.	Conventional Buoy Mooring Systems	204
5.1.7.	Berthing to Mooring Buoys	204
5.2.	Anchorage	205
5.2.1.	Anchor Gear	205
5.2.1.1.	Anchors	206
5.2.1.2.	Anchor Chain	207
5.2.1.3.	Prompt (quick) Anchor Release Appliance	208
5.2.1.4.	Stoppers	208
5.2.1.5.	Anchor Hawser Pipe	209
5.2.1.6.	Anchor Windlass	209
5.2.2.	Choosing the Anchorage Area	210
5.2.3.	Defining Minimum Depth within the Anchorage Area	211
5.2.4.	Defining Minimum Anchor Chain Length to be Paid Out	211
5.2.5.	Anchoring Operations Stages	211

5.2.6.	Procedures of Approaching the Anchorage Area	212
5.2.7.	Anchoring with no Drift and Current Effects	212
5.2.8.	Anchoring with Fair Wind	212
5.2.9.	Anchoring with the Wind Ahead	213
5.2.10.	Anchoring with the Wind from Abeam Headings	213
5.2.11.	Anchoring with the Active Current	213
5.2.12.	Anchoring with both Active Wind and Current	214
5.2.13.	Anchoring Using Two Anchors	214
5.2.14.	Mooring the Ship with Two Anchors and One Mooring Buoy	215
5.2.15.	Final Stage of the Anchoring Operations	215
5.2.16.	Factors Affecting the Safe Lying at Anchor	216
5.2.17.	Position Control Techniques	216
5.2.18.	Drifting Prevention	216
5.2.19.	Yawing Prevention	217
5.2.20.	Heaving up Anchors	217
5.3.	Pilotage	218
5.3.1.	Types of Pilotage	219
5.3.2.	Master and Pilot Relationship	219
5.3.3.	Boarding and Disembarkation of the Pilot	220
5.3.4.	Conduct of Passage in Pilotage Waters	221
5.3.5.	Berthing and Unberthing	222
5.3.6.	Other Matters	222
5.4.	Sailing in Areas Covered by the Vessel Traffic Service	222
5.5.	Sailing in Restricted Visibility Conditions	224
5.5.1.	Safe Speed	224
5.5.2.	Approaching the Restricted Visibility Area	225
5.5.3.	Sound Signals in Restricted Visibility	225
5.5.4.	Risk of Collision	226
5.5.5.	Actions for the Prevention Collisions	227
5.5.6.	Using Ship's Radar for Divergence with other Vessels	228
5.5.6.1.	Supervision and Detection of the Targets	228
5.5.6.2.	Visual Evaluation of Radar-tracking Situation	228
5.5.6.3.	Radar Plotting	229
5.5.6.4.	Speed Vectors Triangle Plotting	229
5.5.6.5.	Evading Maneuver by Altering the Course	230
5.5.6.6.	Evading Maneuver by Altering Speed	230
5.6.	Sailing in the Traffic Separation Schemes	231
5.6.1.	SOLAS Requirements	231
5.6.2.	Elements Used in Traffic Routing Systems	232
5.6.3.	Rule 10 of COLREG-72	232
5.7.	Sailing in Congested Areas	233
5.7.1.	Ship Handling in Narrow Waterways	233
5.7.2.	Ships Interaction During Passing Each Other at Close Quarters	235
5.8.	Sailing in Ice	236
5.8.1.	Sea Ice Formation	236
5.8.2.	Types of Sea Ice	237
5.8.3.	The Borders of Ice Distribution	238
5.8.4.	Marine Ice Charts	238
5.8.5.	Signs of Approaching Ice Accumulations and Clear Water Areas	239
5.8.6.	Approaching Ice Fields	239
5.8.7.	Singly Sailing in Ice	240
5.8.8.	Sailing in Convoy	243
5.8.9.	Cold Weather Precautions	244
5.9.	Towage	246
5.9.1.	Types and Techniques of Maritime Towage	246
5.9.2.	Tow Line	247
5.9.3.	Emergency Towage	248
5.9.4.	Making Fast the Towing Line	249
5.9.5.	Towing Line Receiving Techniques	250
5.9.6.	Ship Handling During Towage	250
5.9.7.	Towage Alongside Technique	252
5.9.8.	Towage by Pushing Technique	252
5.9.9.	Towage Agreement	252

5.10.	Refloating the Stranded Ship	254
5.10.1.	Reasons of Ships Running Aground	254
5.10.2.	Calculation of Force Required to Refloat a Stranded Ship	255
5.10.3.	Depth Chart	255
5.10.4.	Ways and Techniques of Refloating the Stranded Ship	256
5.10.5.	Refloating a Ship Using her Own Means	258
5.10.5.1.	Refloating a Ship Running Her Main Engine Astern	258
5.10.5.2.	Trimming of the Stranded Ship	259
5.10.5.3.	Heeling of the Stranded Ship	259
5.10.5.4.	Partial Discharge of the Stranded Ship	259
5.10.5.5.	Refloating a Ship by means of Anchors and Gins	260
5.10.6.	Refloating a Stranded Ship Using the Assistance from other Ships	260
5.10.6.1.	The Initial Actions of Rescuers to Refloat the Ship in Distress	261
5.10.6.2.	Actions to be Taken Immediately Prior the Refloating of a Stranded Ship	262
5.11.	Sailing in Adverse Weather	263
5.11.1.	Atmospheric Fronts	263
5.11.1.1.	General Definitions	263
5.11.1.2.	The Warm Front	263
5.11.1.3.	The Cold Front	264
5.11.1.3.1.	Type I Cold Front	265
5.11.1.3.2.	Type II Cold Front	265
5.11.1.4.	Stiff or Stationery Atmospheric Fronts	266
5.11.1.5.	Occlusive Fronts	266
5.11.2.	Cyclones and Anticyclones	266
5.11.2.1.	Cyclones	266
5.11.2.2.	Cyclone Development Stages	267
5.11.2.3.	Weather Conditions in the Cyclone	268
5.11.2.4.	Signs of Approaching Cyclone and Its Fronts	269
5.11.2.5.	Evading the Cyclone	269
5.11.3.	Anticyclones	270
5.11.3.1.	Weather in Anticyclones	271
5.11.3.2.	Zone of an Anticyclone	271
5.11.4.	Tropical Cyclones	272
5.11.4.1.	Tropical Cyclones Generation	272
5.11.4.2.	Stages of Development	274
5.11.4.3.	Areas of Generation and their Frequency	275
5.11.4.4.	Indications of Approaching Tropical Cyclone	277
5.11.4.5.	Recommendations for Evading the Tropical Cyclone	279
5.11.5.	Wave Condition and Wind Force Evaluation	280
5.11.5.1.	Waves Classification	280
5.11.5.2.	Wave Elements	281
5.11.5.3.	Design Formulae	282
5.11.5.4.	Rate of Adverse Sea State	284
5.11.5.5.	Wind Force Evaluation	285
5.11.6.	Weather Charts and Hydro Meteorological Information	286
5.11.6.1.	Chart Heading	286
5.11.6.2.	Type of a Chart and Charted Area	286
5.11.6.3.	Markings Applicable with Hydro Meteorological Charts	288
5.11.6.4.	Hydro meteorological Warnings on Weather Charts	289
5.11.6.5.	Abbreviations Applicable with Weather Charts	290
5.11.6.6.	Hydro Meteorological Warnings Broadcasted via Radio	291
5.11.6.7.	Barometric Pattern and Barometric Formations	291
5.11.7.	Choosing Course and Speed for a Ship in Adverse Weather Conditions	292
5.11.7.1.	Ship's Dynamics in Rough Sea	292
5.11.7.2.	Loss of Speed	292
5.11.7.3.	Slamming	293
5.11.7.4.	Graphs and Diagrams	294
5.11.8.	Course Alteration in Rough Sea	297
5.11.8.1.	Sailing Meeting the Sea	297
5.11.8.2.	Sailing with Sea Abeam	297
5.11.8.3.	Sailing with Following Wave	298
5.11.8.4.	Riding a Storm	298
5.11.9.	Crew Actions in Case of Adverse Weather Forecast Receiving	298

6.	SALVAGE AT SEA	300
6.1.	Search and Rescue Organizations	300
6.2.	Distress Signal Receiving	301
6.3.	Shipboard Radio Equipment	303
6.3.1.	Marine Regions	303
6.3.2.	Onboard Radio Equipment Required for Marine Region A3	303
6.3.3.	Communications Aids Applicable with the Marine Mobile Service	303
6.3.4.	Using Radio Frequencies within the MMS	304
6.3.5.	Distress and Safety Frequencies Protection	304
6.3.6.	Priority Frequencies	304
6.3.7.	Frequencies Used with Radiotelephony	305
6.3.8.	Digital Selective Calling	306
6.3.8.1.	Communication Proceedings Related to Urgency and Safety	306
6.3.8.2.	Urgent Messages	307
6.3.8.3.	Safety Communications	307
6.3.8.4.	Medical Transport	308
6.3.8.5.	Relaying of the Distress Message	308
6.3.9.	Radio Stations Identifiers	308
6.3.10.	Electrical Power Supply	309
6.3.11.	Ship Antenna	310
6.3.12.	Communications via Radiotelephone	310
6.3.13.	Uniform DSC Calling Format	311
6.3.14.	Distress Communications	311
6.3.14.1.	Relaying the Distress Message	311
6.3.14.2.	Calling to Silence Radio Stations Interfering the Radio Exchange in Case of Distress	312
6.3.14.3.	Permit to Renew Normal Radio Exchange Mode	312
6.3.14.4.	Restricted Operation at the Distress Exchange Frequency	312
6.3.14.5.	Transmitting a Distress Call	312
6.3.14.6.	Distress Call Acknowledgement with VHF and IF Bands	313
6.3.14.7.	Distress Call Acknowledgement with the HF Band	314
6.3.15.	Satellite EPIRB	315
6.3.16.	Radar Transponder Beacon	315
6.3.17.	NAVAREA	316
6.3.18.	NAVTEX	316
6.4.	Life-Saving Appliances and Supplies	317
6.4.1.	Lifeboats	318
6.4.2.	Life rafts	323
6.4.3.	Lifebuoys	326
6.4.4.	Lifejackets	327
6.4.5.	Personal Thermal Protection Aids	328
6.4.6.	Pyrotechnical Aids	329
6.4.7.	Line-Throwing Appliance	330
6.5.	The Fire-Fighting Appliances and Systems	330
6.5.1.	The Fire-Resisting Bulkheads and Constructions Characteristics	330
6.5.2.	Supply Regulations	331
6.5.3.	Fire-Fighting Appliances Scheduled Certification, Inspections and Testing	332
6.5.4.	Fixed Fire-Fighting Systems	332
6.5.4.1.	Water Fire-Fighting System	333
6.5.4.2.	Water Sprinkler Fire-Fighting System	333
6.5.4.3.	Water-Spray Fire-Fighting System	333
6.5.4.4.	Water-Spray Fire-Fighting System	334
6.5.4.5.	Steam Fire-Fighting System	334
6.5.4.6.	Carbon Dioxide Fire-Fighting System	334
6.5.4.7.	Inert Gases Fire-Fighting Systems	334
6.5.4.8.	Foam Fire-Fighting Systems	335
6.5.4.9.	Volumetric Chemical Fire-Extinguishing Systems	335
6.5.4.10.	Fire Detection and Alarm System	335
6.6.	Emergency Stores & Supplies	336
6.7.	International Distress Signals	337
6.8.	Search for Survivors by a Ship	337
6.9.	Actions to be Taken in Case of a Person Falling Overboard	340
6.10.	Readiness to Emergency Situations	341

6.10.1.	Emergency Contacts Sheet	342
6.10.2.	Emergency Party	343
6.10.3.	Ship's Emergency Alarm System	343
6.10.4.	Muster List	343
6.10.5.	Ship's Stability and Strength	344
6.10.6.	Fire Control	345
6.10.7.	Stranding	347
6.10.8.	Collision	349
6.10.9.	Hull Damage	349
6.10.10.	Leakage in Pipelines	351
6.10.11.	Tank Overflow	351
6.10.12.	Ship's Hull Watertight Integrity Deficiency	351
7.	COLLECTION OF EVIDENCES	352
7.1.	Place of Incident	353
7.2.	Persuasiveness and Reliability of the Evidences	353
7.2.1.	Ship's Log Book	354
7.2.2.	Official Log Book	357
7.2.3.	Draft Log Book	358
7.2.4.	Engine Log Book	358
7.2.5.	Radio Station Log Book	358
7.2.6.	Medical Log Book	358
7.2.7.	Oil Record Books	358
7.2.8.	Garbage Record Book	359
7.2.9.	Night Orders Books and Master's Standing Orders	360
7.2.10.	Photos and Video Records	361
7.3.	Involving Lawyers and other Advisors	361
7.4.	The Master's Official Report	364
7.5.	The Ship's Protest and the Average Losses	365
7.5.1.	The Ship's Protest	365
7.5.2.	The General and Particular Average Losses	368
7.5.3.	General Average Adjustment	370
7.6.	Impact with Jetties, Navigation Aids and Damage to Underwater Cables	373
7.6.1.	Services of Tugs	373
7.6.2.	Impacts with Jetties and Damage to Floating Navigation Aids	374
7.6.3.	Grounding	375
7.6.4.	Damage to the Underwater Cables	376
7.7.	Collision	376
7.7.1.	Evidences Required to be Collected for the Period Before Collision	379
7.7.2.	Registration of Main Engine Reverses	380
7.7.3.	Evidences Requires for the Period after Collision	380
7.7.4.	Master's Report	381
7.7.5.	Liability for not Rendering the Assistance after Collision	382
7.7.6.	Collision or Impact Against a Vessel During Anchorage	382
7.8.	Evidences for the Case of Ice Pilotage	383
7.9.	Liability for Explosions and Fire Onboard	386
7.9.1.	Fires and Explosions on Board of Own Vessel	386
7.9.2.	Fire and Explosion on another Vessel	387
7.10.	Liability for Marine Pollution	388
7.10.1.	Sources of Oil Spills	388
7.10.2.	Master's Report to Coastal State	389
7.10.3.	Collection of Evidences	390
7.11.	Liability During the Salvage Operations	393
7.11.1.	Salvage of Own Vessel	393
7.11.2.	Rendering Assistance to other Vessel	398
7.11.3.	Salvage by Several Vessels	404
8.	SHIP'S TRIM, STABILITY AND STRENGTH	407
8.1.	Steady-State Conditions of a Ship Afloat	407
8.2.	Essential Planes	408
8.3.	Ship's Trim	408
8.4.	Coefficients and Factors	410
8.5.	Theoretical Drawings and Bonjean Diagram	410

8.6.	Theoretical Drawing Elements Tabulated Curves	412
8.7.	Load Scale	412
8.8.	Determination of the Ship's Centre of Gravity Coordinates	414
8.9.	Ship's Stability	415
8.10.	Metacentric Stability Diagram	416
8.11.	Dynamic Stability Diagram	418
8.12.	Stability Regulations	419
8.13.	Changes in Stability	421
8.13.1.	Changes in Initial Stability as a Result of Solid Cargo Transfer	421
8.13.2.	Stability with Solid Bulk Cargo Carried on Board	422
8.13.3.	Suspended Cargo Influence on the Initial Stability	423
8.13.4.	Liquid Cargo Free Surface Effect on Initial Stability	423
8.14.	Stability Control on the Way	423
8.15.	Associated Stresses and Measures to Provide Longitudinal Strength of a Ship	424
9.	ISSUANCE OF A CONTRACT OF MARINE TRANSPORTATION	427
9.1.	The Fundamental International Conventions Dealing with Cargo	427
9.1.1.	Hague Rules	427
9.1.2.	Hague-Visby Rules	429
9.1.3.	Hamburg Rules	429
9.2.	The Contract on Marine Transportation	430
9.3.	Ship	434
9.4.	Cargo	435
9.5.	The Charterers' Voyage Instructions (Orders)	435
9.6.	Free Pratique	436
9.7.	Laydays	437
9.8.	Notice of Readiness of a Vessel for Cargo Operations	439
9.9.	Time Sheet / Statement of Facts	443
9.10.	Cargo Plan	444
9.11.	Bill of Lading	445
9.12.	Cargo Manifest	452
9.13.	Cargo Claims	452
9.14.	Letters of Protest	457
9.15.	Charter Speed and Bunker Consumption	457
9.15.1.	Speed and Bunker Consumption	458
9.15.2.	Bunkering	459
9.15.3.	Quality of the Received Bunker and Consequent Problems	461
10.	CARGO TRANSPORTATION	463
10.1.	Kinds of Cargo	463
10.2.	Oil Cargo	464
10.2.1.	Petroleum Products Properties	464
10.2.2.	Preparation of Cargo Spaces for Loading	465
10.2.3.	Inert Gas System	469
10.2.4.	Loading Operations	472
10.2.4.1.	Notice of Readiness of the Ship for Loading	472
10.2.4.2.	Mutual Agreement of the Loading Plan	473
10.2.4.3.	Loading Rate	473
10.2.4.4.	Loading at a Terminal	475
10.2.4.5.	Calculations of Cargo Quantity Received on Board	476
10.2.4.6.	Loading of a Ship via the SPM or STS	481
10.2.4.7.	Signing the Cargo Documents	481
10.2.4.8.	Cargo Heating	482
10.2.4.9.	Gases Pressure Control in Cargo Tanks	484
10.2.5.	The Ship's Discharging	484
10.2.5.1.	Data Required Prior the Ship's Arrival to the Port of Discharge	484
10.2.5.2.	Notice of Readiness of the Ship to Discharge	485
10.2.5.3.	Cargo Quantity Calculations	485
10.2.5.4.	Discharging Sequence	486
10.2.5.5.	Tanks Inspection upon Discharge Completion	487
10.2.5.6.	Crude Oil Washing (COW) Operations	488
10.3.	Bulk Cargo	489
10.3.1.	Bulk Cargo other than Grain	489

10.3.1.1.	Bulk Cargoes Characteristics	489
10.3.1.2.	Stowage of Bulk Cargo	495
10.3.1.3.	Cargo Trimming	497
10.3.1.4.	Stowage of Bulk Cargo Tending to Liquefaction	497
10.3.1.5.	Precautions	498
10.3.1.6.	Draught Survey	499
10.3.2.	Grain Transportation	500
10.3.2.1.	Terms and Conditions of Loading	500
10.3.2.2.	Loading Grain in Bulk	501
10.3.2.3.	Cargo Trimming	502
10.4.	General Cargo	503
10.4.1.	Dimensions and Volumetric Characteristics of General Cargo	503
10.4.2.	Cargo Classification	504
10.4.3.	Bagged Cargo	505
10.4.4.	General Cargo in Boxes or Crates	506
10.4.5.	Cargo in Bales	506
10.4.6.	Cargo of Rounded Shape (Barrels, Drums, Cylinders)	507
10.4.7.	Palletized Goods	507
10.4.8.	Metal Products and Items	508
10.4.8.1.	Pipes	508
10.4.8.2.	Steel Sheets in Coils	511
10.4.8.3.	Rolled Wire	512
10.4.8.4.	Pig Iron in Ingots	513
10.4.8.5.	Scrap Metal	513
10.5.	Containerized Cargo	514
10.5.1.	Containers' Particulars	514
10.5.2.	Requirements to Ships	514
10.5.3.	Container Location Identifier	516
10.5.4.	Containers Stowage Techniques	516
10.5.5.	Securing the Containers	517
10.5.6.	Ship's Safety Maintenance During Loading and On the Way	518
10.6.	Timber Cargoes	518
10.6.1.	Stability	519
10.6.2.	Freeboard and Timber Load Line of the Ship	519
10.6.3.	Framing & Construction	519
10.6.4.	Cargo Spaces	520
10.6.5.	Upper Deck Preparation for Timber Loading	520
10.6.6.	Cargo Securing Manual	520
10.6.7.	Lashings	521
10.6.8.	Wooden Stanchions	521
10.6.9.	Bunkering and Ballast Operations	522
10.6.10.	Height of the Deck Stowage	522
10.6.11.	Heeling	522
10.6.12.	Cargo Stowage	523
10.6.13.	Packaged Sawn Timber	523
10.6.14.	Covering of Packaged Deck Timber Cargo with Protecting Awnings	524
10.6.15.	Logs	525
10.6.16.	Props and Balances	527
10.6.17.	Voyage Performance	528
10.6.18.	Cargo Shifting	528
10.6.19.	Indifferent Equilibrium Angle	529
10.7.	Cargo Hold Ventilation Mode Calculations	529
11.	SHIP SECURITY	532
11.1.	Terms and Definitions	532
11.2.	Ship Security Plan	533
11.3.	The Company Security Officer	535
11.4.	The Ship Security Officer	536
11.5.	Port Facility Security Officer	537
11.6.	Applying Security Levels	537
11.7.	Security Declaration	538
11.8.	Ship Security Assessment	540
11.9.	Security Evaluation at Site	541

11.10.	Access on Board	542
11.11.	Restricted Access Areas on Board	543
11.12.	Security Measures During Cargo Operations	544
11.13.	Ship Stores and Supplies Delivery on Board	545
11.14.	Handling an Unaccompanied Luggage	546
11.15.	Ship Security Control	546
11.16.	Records Keeping	547
11.17.	Issuing or Endorsement of the International Ship Security Certificate	547
11.17.1.	Term of Validity and Validity of the International Ship Security Certificate	547
11.17.2.	Issuing a Provisional International Ship Security Certificate	548
11.18.	Piracy	549
11.18.1.	Legal Definition of Piracy	549
11.18.2.	Regulating Documents	550
11.18.3.	Regional Anti-Piracy Centers	551
11.18.4.	Classification of Attacks	552
11.18.5.	Methods of Protection for Ships	552
11.18.6.	Recommendations for Masters and Crew for Safe Navigations in Areas Known as Attended by Pirates	555
12.	PORT STATE CONTROL AND VETTING INSPECTION	558
12.1.	Port state control	558
12.1.1.	Regional PSC Agreements	558
12.1.2.	Selection of Vessels for Inspection	559
12.1.3.	Boarding Procedures	559
12.1.4.	Inspection Procedures	560
12.1.5.	Deficiencies, Detention and Rectification	563
12.1.6.	Action codes	564
12.1.7.	Information Exchange	573
12.1.8.	The New Inspection Regime	573
12.1.9.	Inspection Categories	574
12.1.10.	Inspection types	574
12.1.11.	Refusal of Access (Banning)	577
12.1.12.	Reporting Obligations	577
12.1.13.	The USA Port State Control	577
12.1.14.	Joint Concentrated Inspection Campaign on Hours of Rest	578
12.2.	Vetting Inspection	579
12.2.1.	Description of Currently Available Ship Inspection Systems	579
12.2.2.	Screening Process	581
12.2.3.	Responsibility	582
12.2.4.	Preparation for Vetting Inspection	582
12.2.5.	Vetting Process	588
	ANNEX 1 - INTERNATIONAL REGULATIONS FOR PREVENTING COLLISIONS AT SEA, 1972	594
	ANNEX II - CRUDE OILS	610
	ANNEX III - LOF	617
	ANNEX IV - IMO STANDARD MARINE COMMUNICATION PHRASES	625
	ANNEX V - INTERNATIONAL SIGNALS CODE	636
	THE LIST OF THE USED PUBLICATIONS	638

INTRODUCTION

The proposed book is a translation of preceding 7 manuals by authors of a series "For Navigators" and Master's Handbook published in Russian language in 2011 with corrections and amendments.

In their work over this the book authors used last achievements in the field of navigation both domestic, foreign authors and also administering IMO documents.

Naturally, «it is impossible to comprehend immense». It is quite probable that some questions did not find reflexion in offered book.

Authors hope that their work does not go to waste, and will be useful to many navigators, since cadets of educational institutions (academies) to grown wise experience and life of captains.

This book is intended for usage on a sea going vessel of any type.

The main part of the book is divided into 12 Chapters.

Chapter 1 considers the main concepts of international law.

In Chapter 2 aspects of organization and introduction of Bridge Resource Management are reflected. The special attention is converted on such aspects as training of seamen, to observance of industrial safety, accident prevention at any fulfillment of activities, the methods of prevention of fatigue etc. Also are considered concepts, factors and models of Marine incidents and accidents. The great attention is converted on methods of determinations of Risk assessment.

In Chapter 3 advisories on organization of the bridge depending on floating conditions of the vessel in correspondence to requirements of the Company Safety Management System and IMO regulations are made.

Methods of development of the Voyage plan found reflexion in Chapter 4. There are various factors which can negatively influence a safe navigation of ships, and additional factors which can handicap with floating of super ships or the vessels transporting hazardous cargoes. Necessary data on geographical co-ordinate system and the navigation devices, most often used in offshore navigation are fetched. Navigational charts and benefits for floating, and also methods of fulfillment of their proof-reading, system IALA Buoyage System are described. The short information on methods of a fix of a vessel depending on usage of this or that navigation device is supplied.

In Chapter 5 methods of carrying out of maneuverable operations in port waters are reflected. The anchoring and measure methods which are conducted by navigators, in case of ship drift origin are described. Advisories on action of navigators are made at an input and a port exit and at acceptance and disembarkation of the escort pilot. Methods of fulfillment of mooring operations are shown. The attention of watch service to observance of requirements on safe carrying out of cargo operations and correct action at origin of a roll of a vessel, storm approach etc. is paid, and also advisories on a management of ship are made at floating in difficult conditions. Necessary requirements of the Register and International conventions are cited.

Chapter 6 is devoted considering of questions of carrying out of salvage operations, forms of reports, supply of vessels by necessary life-saving gear. The Global Maritime Satellite System for distress and safety is described. The special attention is converted on availability of crew for emergency conditions.

Chapter 7 pays much attention to the legal questions mentioning sea going vessels, and also an accumulation of evidence. The success of the ship-owner at management of contentious cases in vessels in the big degree depends on qualitative proofs arrived with a vessel. In the presence of the corresponding information and claim documents are usual regulated quickly, avoiding long altercations and progressing court costs. At claim hit in court or arbitration of the judge and arbitrators attach great value to documents and other corresponding proofs presented from a vessel. To help the captain, in head the list of necessary proofs is given. These lists are not exhausting, but whenever possible, all of them complete, and they should be applied as a management. Circumstances of a case suggest the captain, what points of lists are the most eligible.

Chapter 8 is devoted questions of observance of a necessary intact stability and strength of a vessel both on transition by sea, and at parking in a port. Register requirements to observance of strength and an intact stability of sea going ships are given.

In Chapter 9 marine chartering questions are considered. Differences between existing forms of sea carriage contracts are shown. The necessary information from Hague rules, by Visby Rules, the Hamburg Rules and the Brussels Protocol is supplied. The attention of captains is converted on correctness and a correctness of signing of Bill of Ladings and to fulfillment of voyage instructions of charterers.

Chapter 10 is devoted questions of practical operation of tank vessels, bulkers, container carriers, timber carriers and the ships transporting any goods. Necessary data from International conventions and administering documents are fetched. It is described carrying out of cargo operations at a jetty, at a mono-buoy and supply vessel. The main data on properties of goods, their accommodation, laying etc. are fetched.

Chapter 11 is devoted questions of protection of a vessel and methods of scrambling with a piracy.

Chapter 12 pays attention of the captain and navigators to any carrying out of inspections in ports. The attention is directed to the Parisian and Tokyo memorandums and procedures of their carrying out. Inspections by world leading companies are also considered.

Appendix contains 5 annexes.

The list of the used reference sources includes 231 publications.

Authors are grateful to ship crews «the Captain Polkovsky» - bulker, deadweight 28,000 т; «Aldebaran» - general cargo vessel, deadweight 13,500 т; «Ghazvin» - tanker, deadweight 82,500 т; «Maya» - OBO, deadweight 54,500 т; «Probo Panda» - OBO, deadweight 48,500 т; «Genmar Pericles» - OBO, deadweight 96,500 т, «Tropic Brilliance» - VLCC, deadweight 154,700 т and «Profit» - VLCC, deadweight 156,640 т, «XIN RUN YANG» and «Gulf EYADAH» - VLCC, deadweight 300,000 т everyone for all-round aid and assistance in a book writing.

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