



Making waves

IVSS CAMPAIGN FEB 2025



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1. PSC INSPECTIONS IN RELATION TO E/R EMERGENCY ESCAPE TRUNK

SOLAS Ch.-2/Reg. 13.4.2.1.1 requires that the emergency escape trunk extends to the “lower part of the space its serves”.

IMO issued MSC.1/Circ.1511/Rev.1 on Unified interpretations of SOLAS regulations II-2/9 and 13, dated 24 Jun 2024, providing more specific guidance on "safe position" in SOLAS regulation II-2/13.4.

China MSA has commenced a focused inspection campaign (FIC) from 15 January 2025 to 14 October 2025 on E/R Emergency Escape Trunk.

China MSA requires that:

- The escape trunks are extended to the lowest platform/deck within the machinery space.
- **Training and regular drills for evacuation from emergency escape trunk are conducted and recorded.**
- An evacuation drill of an injured crew is completed between 3 to 5 minutes

The Master shall prepare ship specific evacuation procedure for injured crew from the lowest platform/deck to the escape trunk and send the procedure to the Company for review.

When preparing the evacuation procedure, the ship staff must consider the following:

- Whether the escape trunk is straight from the bottom to top without any intermediate platform for lifting the injured crew
- if there is any intermediate platform, what is the safe procedure to lift the injured crew considering the length / breadth of the platform, how to move the injured crew within the platform and the number of blocks required (Please specify the length and breadth of the intermediate platform)

Once approved by the Company, the evacuation procedure shall be posted in vicinity of the emergency escape trunk.

2. ENCLOSED SPACE CIC

China MSA has launched a special campaign on the illegal entry into enclosed spaces onboard ships from January 15 to October 14, 2025.

Kindly go through attached circular and check list to ensure compliance.

3. CYBER SECURITY

The Office will be sending video training links to each vessel along with the instructions by email. Once received all crew on board shall view the cybersecurity videos.

Typically, the video's will be made available on the Master's Laptop, CEO's PC and Admin 1 pc. We propose that the Engine Dept. must watch the video on the CEO's PC likewise the Deck Dept. will watch on Admin 1.

The Office will be providing details of the video to be viewed shortly. A poster will also be made available to be displayed.

4. KARCO TRAINING

The ship staff shall conduct the following training modules this month:

- SLIP, TRIP AND FALLS
- BUNKER OVERFLOW – LEARNING FROM INCIDENT
- MOORING ACCIDENTS
- COLREG RULE 13,14 and 15

The duration of each title is only about 10-15 minutes.

Training must be carried out in two sessions (based on work/rest hours) to ensure all crew are able to attend. Each session must be opened and concluded by a Senior Officer.

After the training, the Senior Officer should have an interactive session with the crew, discuss questions and the crew can also share their experience (Reflective learning). Once the training is completed, each crew shall log on individually and an assessment must be completed, and the records must be exported to KARCO system.

The Master can contact IT department and support team (support@karcoservices.com) for any queries regarding KARCO.

Records of training to be maintained in form 3.2.3

5. STOWNET FISHING SEASON IN BISAN SETO 2025

The Stownet fishing season starts from 1 February 2025 throughout Bisan Seto, Japan.

Kindly go through attached Japan P&I circular and mark the relevant areas on the ECDIS.

Relevant information shall be included in the passage plan.

6. BALLAST WATER RECORD BOOK

From 01 Feb 2025, Record-keeping of ballast water operations in the BWRB shall be in accordance with guidance BWM.2/Circ.80.

The Company has dispatched the revised ballast water record books to all vessels.

The Master shall ensure that the revised ballast water record book is used from 01 Feb 2025.

The Master shall also carry out on the job training as per the attached sample entries to all deck officers and record details on training in form 3.2.3.

The present Ballast water record book is to be officially closed by the Master and kept ready for inspection, if requested by the relevant authorities

7. MANOEUVRING CHARACTERISTICS

All deck officers shall familiarize with the manoeuvring characteristics and stopping distances of the vessel. Reference to be made to the Wheelhouse poster. The wheelhouse poster characteristics reflect sea trial information in ideal conditions.

The following factors shall be considered when determining the manoeuvring characteristics:

- Depth / Draft / UKC / heel / squat / trim
- Weather conditions
- Speed
- Current
- Machinery status
- Turn radius
- Loaded / Ballast condition
- Steering particulars

The Master shall also carry out on the job training to all deck officers and record details on training in form 3.2.3

8. RIGHTSHIP SECTION 2 – CERTIFICATE AND PERSONNEL MANAGEMENT

RIGHTSHIP has commenced inspection of dry vessels using their checklist (RISQ) which is uploaded on the landing page of SHEQ. The RIGHTSHIP inspection is similar to the OCIMF SIRE inspection on tankers.

There are 17 chapters in the RIGHTSHIP questionnaire.

The Company will send guidance for each section as part of the monthly campaign.

For this month, the Master shall go through the attached “**CERTIFICATE AND PERSONNEL MANAGEMENT**” checklist with all deck officers and ensure that the vessel is in compliance with all the items.

Please revert to the Marine Superintendent with any queries or sections that your vessel does not fully comply with.

Guidance on the CIC Questionnaire on Enclosed Space Entry

S.NO	QUESTION	GUIDANCE	Verified by Master
1	Are crew members responsible for enclosed space entry aware of the associated risks?	<ul style="list-style-type: none"> ➤ Refer HSE Procedure Manual, 4.10. ENCLOSED SPACE ENTRY. ➤ Discuss the risks associated with entry into enclosed space with all crew (HSE Manual, 4.10 section 3 and section 4) ➤ Prepare risk assessment in CSM for enclosed space entry ➤ Pre-entry atmosphere test reading for entering the enclosed space shall be as follows: <ul style="list-style-type: none"> • Oxygen – 20.9 % • Hydrocarbon – 0% • CO2 0% • H2S 0% 	<input type="checkbox"/>
2	Are the measures in place to permit to work for visitors and crew members for enclosed space entry?	<ul style="list-style-type: none"> ➤ Enclosed space permit form 3.3.1 ➤ Name of person entering the space shall be entered in the permit to work form ➤ Crew and visitors are not allowed to enter any enclosed space unless the enclosed space permit form 3.3.1 is fully completed and approved by the Master / Chief engineer 	<input type="checkbox"/>
3	Is there a list of enclosed space identified?	<ul style="list-style-type: none"> ➤ A detailed ship specific list of enclosed spaces shall be prepared by the Master and posted on the Notice board. ➤ All crew shall be briefed on the list of enclosed spaces onboard. Refer HSE Manual, 4.10 , section 3.4 , 3.5 ➤ If in doubt, consider the space to contain hazards of an Enclosed Space and proceed as an Enclosed Space 	<input type="checkbox"/>
4	Are the enclosed spaces marked and for authorized personnel only?	<ul style="list-style-type: none"> ➤ All enclosed spaces onboard shall be marked <div style="border: 2px solid red; padding: 10px; text-align: center; margin-top: 10px;"> <h3 style="margin: 0;">Enclosed Space</h3> <h3 style="margin: 0;">No entry without permit</h3> </div>	<input type="checkbox"/>

Guidance on the CIC Questionnaire on Enclosed Space Entry

5	Are the atmosphere testing devices regularly checked and calibrated?	<ul style="list-style-type: none"> ➤ Ensure gas meters are in good working order, serviced, calibrated and tested in accordance with the manufacturer's instructions. ➤ Calibration kit to be available on board ➤ Personnel carrying out checks and bump tests are to be suitably trained. ➤ Calibration / Bump test certificate to be filed in share point ➤ Length of sampling hose to be sufficient to reach bottom of enclosed space from deck ➤ Maker manual to be available onboard 	<input type="checkbox"/>
6	Is the emergency rescue equipment for enclosed space entry and rescue in good condition?	<ul style="list-style-type: none"> ➤ Rescue equipment like tripod, stretcher, resuscitator, BA sets etc and a plan to get the crew out from the most difficult spot in space shall be in readiness ➤ The rescue equipment to be kept in readiness at the entrance shall be clearly specified in the permit. ➤ Ensure rescue equipment is in good condition ➤ Reference HSE 4.10 / SECTION 11 - RESCUE FROM ENCLOSED SPACES 	<input type="checkbox"/>
7	Are the personnel familiar with the safe entry and risk assessment procedures for enclosed space?	<ul style="list-style-type: none"> ➤ All crew members must be aware of the spaces identified as enclosed space on board, risks involved, entry procedure, entry permit, PPE and communication required during entering enclosed space ➤ All crew members shall be aware of the safety equipment for enclosed space entry and rescue, such as ventilation, lifting and other personnel rescue equipment, first aid and resuscitation equipment, gas testing equipment, breathing apparatus etc that may be required in an emergency ➤ Crew must be able to don the breathing apparatus and carry out checks correctly ➤ Breathing apparatus including all spare SCBA bottles shall be kept fully charged and all other rescue equipment kept in readiness and in good order ➤ All crew members shall be familiar with their duties as assigned in the enclosed space emergency muster list before the voyage begins. ➤ All crew members must be aware that in case they detect hazardous situation they can order and evacuation of the space. ➤ All crew members shall be familiarized with Contingency plan 35. Rescue from enclosed space 	<input type="checkbox"/>
8	Are the personnel familiar with the operation of safety protective	<ul style="list-style-type: none"> ➤ Master to provide training in the use and operation of equipment to all officers and crew 	<input type="checkbox"/>

Guidance on the CIC Questionnaire on Enclosed Space Entry

	equipment and devices?	<ul style="list-style-type: none"> ➤ Competent, Responsible, and Attendant persons planning an enclosed space entry should be aware of the limitations of the testing equipment and should be able to demonstrate that they can use it competently ➤ Crew should be aware that oxygen, flammable or toxic gas or vapor concentrations may not be uniform throughout space, and it may not be possible to measure concentrations throughout the entire space prior to entry ➤ Master to provide training in calibration of equipment to all deck officers and engineers ➤ Training in the use of gas equipment should be provided during each enclosed space drill ➤ Reference to be made to Maker's manual for operation and calibration of equipment ➤ Records of training to be maintained on board 	
9	Is the enclosed space entry and rescue drill in accordance with SOLAS Chapter III, Regulation 19.3.3?	<ul style="list-style-type: none"> ➤ The interval of the enclosed space entry and rescue drills should not exceed two months. Ensure enclosed space entry and enclosed space rescue drills are conducted in accordance with drill planner (Every 2 months) ➤ Drill record sheet and entry permit used for entering the enclosed space shall be available. Entry permit is evidence that pre-entry checks and authorization of entry ➤ Refer to form 3.2.1 "Emergency Drill planner" ➤ The drill shall be recorded in Deck Logbook, Drill Record Sheet 3.2.3 ➤ Be ready at any time for this request from PSCO ➤ A scenario for a planned enclosed space and subsequent rescue should be agreed with PSCO. The scenario should reflect a designated enclosed space on the ship, and the hazards associated with entry into that space. ➤ The inspector shall verify that crew are able to conduct enclosed space entry and rescue drills competently and in a safe manner ➤ The inspector shall verify that crew can communicate effectively during both a planned entry and in an emergency ➤ The inspector shall verify that documented procedures are being followed, the prescribed safety briefings are given, and the required authorizations (permits) are completed, and signoffs are obtained. Those taking part should be identified on the appropriate checklists and authorizations 	<input type="checkbox"/>

Guidance on the CIC Questionnaire on Enclosed Space Entry

		<ul style="list-style-type: none"> ➤ Drill should not take longer than 20 minutes ➤ Follow the procedure as provided in contingency plan ➤ Crew shall be made aware of their duties and equipment locations. ➤ All equipment shall be kept in readiness ➤ Following shall be complied as per SOLAS : <ul style="list-style-type: none"> • Checking and use of personal protective equipment required for entry • Checking the use of communication equipment and procedures including emergency signals prior entry • Checking and use of instruments for measuring the atmosphere in enclosed spaces • Checking and use of rescue equipment and procedures ➤ Instructions in first aid and resuscitation techniques 	
10	Is the SMS related to enclosed space operations effectively implemented on board?	<ul style="list-style-type: none"> ➤ HSE Procedure Manual, 4.10. ENCLOSED SPACE ENTRY ➤ Permit to work form 3.3.1 ➤ Risk assessment in CSM ➤ Form 3.2.1 Emergency Drill planner ➤ Contingency plan 35 - Rescue from enclosed space 	<input type="checkbox"/>



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PNI [2025] 01

22 January 2025



China MSA Launched a Special Campaign against Illegal Entry into Enclosed Spaces onboard Ships

Dear Sir/Madam,

It is reported that China Maritime Safety Administration (China MSA) has recently launched a nine-month special campaign against illegal entry into dangerous enclosed spaces onboard ships. On basis of the information we

obtained thus far, we have prepared this Circular to briefly introduce the special campaign and provide relevant suggestions for the reference of the Clubs and their Members.

The Main Contents of the Special Campaign

Period of Special Campaign

From January 15 to October 14, 2025.

Targets of Special Campaign

Ships and waterborne facilities equipped with enclosed spaces that meet the following definitions.

Enclosed space means a space which has any of the following characteristics:

1. limited openings for entry and exit;
2. inadequate ventilation; and
3. is not designed for continuous worker occupancy.

Enclosed spaces include, but are not limited to, cargo spaces, double bottoms, fuel tanks, ballast tanks, cargo pump-rooms, cargo compressor rooms, cofferdams, chain lockers, void spaces, duct keels, inter-barrier spaces, boilers, engine crankcases, engine scavenge air receivers, sewage tanks, and the adjacent connected spaces which are normally unventilated and not used for cargo storage but which may share the same atmospheric characteristics with the enclosed spaces.

Frequency of Inspection

In principle, only one special inspection shall be carried out onboard the same ship during the special campaign period, except for the following situations:

1. Where an accident or dangerous situation is triggered due to illegal entry into the enclosed space onboard a ship.
2. Where serious deficiencies or potential risks in the management of entering enclosed spaces onboard the ship are identified during on-site ship supervision.
3. Where a ship is reported under real name for serious problems or potential risks in the management of entry into the enclosed spaces.
4. Where special inspections are required as designated by the MSA of the Ministry of Transport.

Key Points of Inspection

The special campaign action plan provides an inspection checklist with the following contents:

1. Are crew members responsible for enclosed space entry aware of the associated risks?
2. Are the measures in place to permit to work for visitors and crew members for enclosed space entry?
3. Is there a list of enclosed space identified?

4. Are the enclosed spaces marked and for authorized personnel only?
5. Are the atmosphere testing devices regularly checked and calibrated?
6. Are the emergency rescue equipment for enclosed space entry in good condition?
7. Are the personnel familiar with the safe entry and risk assessment procedures for enclosed space?
8. Are the personnel familiar with the operation of safety protective equipment and devices?
9. Is the enclosed space entry and rescue drill in accordance with SOLAS Chapter III, Regulation 19.3.3?
10. Is the SMS related to enclosed space operations effectively implemented on board?

Huatai Suggestions

In recent years, the number of accidents caused by the act of illegally entering enclosed spaces has been increasing year by year, and such illegal acts have pose serious threaten to the safety of both personnel and ships. In view of this, China MSA has launched a special campaign on the illegal entry into enclosed spaces onboard ships, aiming to standardize the behavior of operation personnel entering enclosed places onboard ships and prevent and curb the occurrence of such accidents.

Viewing from an organizational perspective, the special campaign is similar to the Concentrated Inspection Campaign (CIC) held annually by some PSC

Memorandum of Understanding organizations, but the inspection period of this campaign is much longer than the PSC CIC. According to the requirements of the special campaign, it will be conducted in combination with the daily supervision and management of shipping companies, safety management system audits, ship safety inspections and on-site supervision, etc. The targets of this special campaign are the ships entering Chinese ports, regardless of their nationality.

In order to effectively respond to this long-term special campaign and avoid the identification of deficiencies related to illegal entry into enclosed spaces during the flag state / PSC inspection, we suggest that whilst conducting self-inspection in accordance with the items listed in the above mentioned inspection checklist, the Shipowners, Managers / Operators and ships should also draw their particular attention on the following aspects in order to pass the inspection smoothly:

1. Self-check the relevant procedures in the SMS documents

Check and confirm that the ship's SMS documents contain the safety operation procedure for guiding the personnel entering enclosed spaces, the emergency response and rescue plan and the maintenance procedure/plan for the safety equipment, communication devices, rescue and first aid tools which are necessary for entering enclosed spaces by way of a thorough self-inspection. The SMS documents should be modified and improved in accordance with appropriate procedures if the aforementioned procedures / plans are found to be absent.

2. Establish and strictly comply with the risk assessment and entry permit system

Ensure that crew members possess the ability to determine the various types

of hazards and risk levels that may exist in the enclosed spaces by comprehensively analyze on the various factual conditions such as cargo type, ventilation status, operation type, gas composition, tank coating, adjacent area conditions, etc., and able to propose reasonable measures to reduce the corresponding risks to an acceptable level and keep proper records. After sufficient risk assessment, an authorized entry permit from the master or the designated person in charge shall be obtained before entering. Furthermore, the entry permit should be kept on board along with the risk assessment documents for inspection.

3. Physical inspection of enclosed spaces and the related equipment

Ships should regularly identify and establish a list of enclosed spaces on board. Through regular inspections, ships shall confirm that the entrances or passageways to the enclosed space are in good maintenance condition, free from obstacles that could affect the safe entry of personnel and rescue operations; the internal structures within the enclosed spaces are complete, safe and reliable; the connecting ventilation systems are working properly; and the interior equipment such as lighting, fixed gas monitoring equipment, water level detectors (if any), etc. are in good working condition. In addition, regular inspection should also be carried out to ensure the personal protective equipment, rescue tools, communication devices etc., are in good order.

4. Training and Emergency Drills

Provide regular training to crew members, conduct drills for entering enclosed spaces strictly in accordance with the requirements of the Convention (every two months) and keep the training and drill records. Through adequate training and drills, ensure that crew members are familiar with their emergency responsibilities, aware of the dangers of enclosed spaces, understand the correct procedures for entering enclosed spaces and familiar with emergency

evacuation and the rescue procedures. Ensure that the responsible personnel can correctly inspect, use, and maintain the protective and rescue equipment, and is proficient in the operating, inspection, testing, and calibration of the fixed and portable gas detection instruments.

Last but not least, it is equally important to promptly notify ships destined for Chinese ports about the ongoing special campaign being carried out by China MSA during this period so that crew members have sufficient time to prepare for the onboard inspections and pass them smoothly.

Should you have any inquiries, please feel free to contact Huatai Beijing (pni.bj@huatai-serv.com) or our local branch offices.

Best regards,

A handwritten signature in black ink, appearing to be 'CUI JIYU' in a stylized cursive script.

CUI Jiyu

Head of Marine Team



JAPAN P&I NEWS

To the Members

Stownet fishing season in Bisan Seto 2025—The expected navigable water area in the traffic lane during the peak season

The Stownet fishing season starts from 1 February 2025 throughout Bisan Seto, Japan. We have obtained a table on the expected navigable water area in the traffic lane during the peak season from Licensed Inlandsea Pilots' Association. We attach a free translation of the table for your reference.

Yours faithfully,

The Japan Ship Owners' Mutual Protection & Indemnity Association

Attachment: The Stownet fishing season's Table for 2025 by Licensed Inlandsea Pilots' Association (free translation)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing
1 February, 2025 - 31 August, 2025
the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
1-Feb	Sat	4-Jan	07:01 17:35	12:41	2	9.3 10.1	Off	07:01 ~ 12:41	West	09:42	2.9			○
								12:41 ~ 17:35	East	15:29	2.2			
2-Feb	Sun	5-Jan	07:00 17:36	07:05 13:15	2	9.3 10								○
								07:05 ~ 13:15	West	10:19	2.7			
								13:15 ~ 17:36	East	16:04	2.2			
3-Feb	Mon	6-Jan	06:59 17:37	07:45 13:48	3	9.25 9.9		06:59 ~ 07:45	East	04:17	2.3			△
								07:45 ~ 13:48	West	10:56	2.4			
								13:48 ~ 17:37	East	16:41	2.1			
4-Feb	Tue	7-Jan	06:59 17:38	08:27 14:23	3	9.25 9.9	Off	06:59 ~ 08:27	East	05:03	2.0			△
								08:27 ~ 14:23	West	11:35	2.0			
								14:23 ~ 17:38	East	17:22	2.0			
5-Feb	Wed	8-Jan	06:58 17:39	09:15 15:02	3	9.25 9.9		06:58 ~ 09:15	East	05:56	1.6		Non-fishing	
								09:15 ~ 15:02	West	12:18	1.6			
								15:02 ~ 17:39	East	18:11	1.8			
6-Feb	Thu	9-Jan	06:57 17:39	10:13 15:50	3	9.2 9.8		06:57 ~ 10:13	East	07:01	1.2		Non-fishing	
								10:13 ~ 15:50	West	13:11	1.1			
								15:50 ~ 17:39	East	19:11	1.6			
7-Feb	Fri	10-Jan	06:56 17:40	11:35 16:55	3	9.3 9.9		06:56 ~ 11:35	East	08:24	0.9			
								11:35 ~ 16:55	West	14:28	0.8			
								16:55 ~ 17:40	East	20:27	1.5			
8-Feb	Sat	11-Jan	06:55 17:41	07:21 13:21	2	9.35 9.9	Off							
								07:21 ~ 13:21	East	10:00	0.9			
								13:21 ~ 17:41	West	16:05	0.8			
9-Feb	Sun	12-Jan	06:54 17:42	08:36 14:47	3	9.3 9.8		06:54 ~ 08:36	West	05:07	1.9			
								08:36 ~ 14:47	East	11:28	1.1			
								14:47 ~ 17:42	West	17:25	1.0			
10-Feb	Mon	13-Jan	06:53 17:43	09:31 15:46	3	9.3 9.8	Off	06:53 ~ 09:31	West	06:09	2.3			△
								09:31 ~ 15:46	East	12:32	1.4			
								15:46 ~ 17:43	West	18:25	1.4			
11-Feb	Tue	14-Jan	06:53 17:44	10:16 16:30	3	9.25 9.7		06:53 ~ 10:16	West	06:59	2.6			○
								10:16 ~ 16:30	East	13:19	1.7			
								16:30 ~ 17:44	West	19:13	1.8			
12-Feb	Wed	15-Jan	06:52 17:45	10:53 17:09	3	9.3 9.7		06:52 ~ 10:53	West	07:41	2.8			○
								10:53 ~ 17:09	East	13:57	1.9			
								17:09 ~ 17:45	West	19:55	2.1			
13-Feb	Thu	16-Jan	06:51 17:46	11:26 17:43	3	9.4 9.7		06:51 ~ 11:26	West	08:20	2.9			○
								11:26 ~ 17:43	East	14:28	2.1			
								17:43 ~ 17:46	West	20:33	2.3			
14-Feb	Fri	17-Jan	06:50 17:47	11:55	2	9.35 9.8		06:50 ~ 11:55	West	08:54	2.9			○
								11:55 ~ 17:47	East	14:54	2.1			
15-Feb	Sat	18-Jan	06:49 17:48	12:21	2	9.35 10	Off	06:49 ~ 12:21	West	09:26	2.7			○
								12:21 ~ 17:48	East	15:17	2.2			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing
1 February, 2025 - 31 August, 2025
the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (℃/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
16-Feb	Sun	19-Jan	06:48 17:49	12:46	2	9.25 10		06:48 ~ 12:46	West	09:55	2.5			○
								12:46 ~ 17:49	East	15:38	2.1			
17-Feb	Mon	20-Jan	06:46 17:50	07:11 13:09	2	9.3 10								△
								07:11 ~ 13:09	West	10:23	2.2			
								13:09 ~ 17:50	East	16:02	2.1			
18-Feb	Tue	21-Jan	06:45 17:51	07:34 13:34	2	9.45 10.1	Off							△
								07:34 ~ 13:34	West	10:49	2.0			
								13:34 ~ 17:51	East	16:29	2.1			
19-Feb	Wed	22-Jan	06:44 17:52	08:00 14:01	3	9.5 10.2		06:44 ~ 08:00	East	04:48	1.6			
								08:00 ~ 14:01	West	11:16	1.7			
								14:01 ~ 17:52	East	17:02	2.0			
20-Feb	Thu	23-Jan	06:43 17:53	08:34 14:34	3	9.55 10.3		06:43 ~ 08:34	East	05:28	1.4		Non-fishing	
								08:34 ~ 14:34	West	11:47	1.4			
								14:34 ~ 17:53	East	17:42	1.8			
21-Feb	Fri	24-Jan	06:42 17:54	09:20 15:15	0	9.55 10.4		Non-fishing						
22-Feb	Sat	25-Jan	06:41 17:54	10:30 16:16	3	9.45 10.3	Off	06:41 ~ 10:30	East	07:34	0.9	Non-fishing		
								10:30 ~ 16:16	West	13:33	0.8			
								16:16 ~ 17:54	East	19:47	1.4			
23-Feb	Sun	26-Jan	06:40 17:55	12:18 17:45	3	9.5 10.3	Off	06:40 ~ 12:18	East	09:05	0.8	Non-fishing		
								12:18 ~ 17:45	West	15:24	0.6			
								17:45 ~ 17:55	East	21:11	1.4			
24-Feb	Mon	27-Jan	06:39 17:56	07:57 14:07	3	9.5 10.2		06:39 ~ 07:57	West	04:38	1.6			
								07:57 ~ 14:07	East	10:33	1.0			
								14:07 ~ 17:56	West	17:02	0.9			
25-Feb	Tue	28-Jan	06:37 17:57	08:57 15:14	3	9.5 10.2		06:37 ~ 08:57	West	05:46	2.1			△
								08:57 ~ 15:14	East	11:42	1.4			
								15:14 ~ 17:57	West	18:06	1.3			
26-Feb	Wed	29-Jan	06:36 17:58	09:45 16:02	3	9.45 10.1		06:36 ~ 09:45	West	06:39	2.5			○
								09:45 ~ 16:02	East	12:35	1.7			
								16:02 ~ 17:58	West	18:56	1.8			
27-Feb	Thu	30-Jan	06:35 17:59	10:27 16:41	3	9.45 10.1		06:35 ~ 10:27	West	07:24	2.8			○
								10:27 ~ 16:41	East	13:17	2.1			
								16:41 ~ 17:59	West	19:39	2.3			
28-Feb	Fri	1-Feb	06:34 18:00	11:04 17:17	3	9.45 10		06:34 ~ 11:04	West	08:05	3.0			◎
								11:04 ~ 17:17	East	13:55	2.3			
								17:17 ~ 18:00	West	20:19	2.6			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing
1 February, 2025 - 31 August, 2025
the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
1-Mar	Sat	2-Feb	06:33 18:01	11:39 17:51	3	9.55 10	Off	06:33 ~ 11:39	West	08:43	3.1			◎
								11:39 ~ 17:51	East	14:29	2.5			
								17:51 ~ 18:01	West	20:58	2.8			
2-Mar	Sun	3-Feb	06:31 18:01	12:11	2	9.55 9.9		06:31 ~ 12:11	West	09:20	2.9			○
								12:11 ~ 18:01	East	15:03	2.5			
3-Mar	Mon	4-Feb	06:30 18:02	06:51 12:43	2	9.45 9.9								○
								06:51 ~ 12:43	West	09:56	2.6			
								12:43 ~ 18:02	East	15:36	2.5			
4-Mar	Tue	5-Feb	06:29 18:03	07:29 13:14	3	9.45 9.8	Off	06:29 ~ 07:29	East	04:01	2.3			△
								07:29 ~ 13:14	West	10:31	2.3			
								13:14 ~ 18:03	East	16:10	2.4			
5-Mar	Wed	6-Feb	06:28 18:04	08:08 13:46	3	9.6 10		06:28 ~ 08:08	East	04:43	1.9			
								08:08 ~ 13:46	West	11:08	1.8			
								13:46 ~ 18:04	East	16:48	2.1			
6-Mar	Thu	7-Feb	06:26 18:05	08:52 14:22	3	9.65 10		06:26 ~ 08:52	East	05:31	1.5			
								08:52 ~ 14:22	West	11:49	1.4			
								14:22 ~ 18:05	East	17:33	1.8			
7-Mar	Fri	8-Feb	06:25 18:06	09:50 15:08	0	9.7 10		Non-fishing						
8-Mar	Sat	9-Feb	06:24 18:06	11:22 16:19	0	9.75 10	Off	Non-fishing						
9-Mar	Sun	10-Feb	06:22 18:07	07:10 13:19 18:06	3	9.8 9.9		07:10 ~ 13:19	East	10:01	0.7	Non-fishing		
								13:19 ~ 18:06	West	15:53	0.6			
								18:06 ~ 18:07	East	21:43	1.3			
10-Mar	Mon	11-Feb	06:21 18:08	08:22 14:36	3	9.8 9.8		06:21 ~ 08:22	West	04:52	1.7			
								08:22 ~ 14:36	East	11:24	1.0			
								14:36 ~ 18:08	West	17:15	1.0			
11-Mar	Tue	12-Feb	06:20 18:09	09:10 15:26	3	10 10	Off	06:20 ~ 09:10	West	05:53	2.1			△
								09:10 ~ 15:26	East	12:16	1.4			
								15:26 ~ 18:09	West	18:11	1.5			
12-Mar	Wed	13-Feb	06:18 18:10	09:48 16:05	3	10.15 10.1		06:18 ~ 09:48	West	06:39	2.4			△
								09:48 ~ 16:05	East	12:54	1.8			
								16:05 ~ 18:10	West	18:55	2.0			
13-Mar	Thu	14-Feb	06:17 18:10	10:21 16:40	3	10.15 10		06:17 ~ 10:21	West	07:18	2.6			○
								10:21 ~ 16:40	East	13:26	2.0			
								16:40 ~ 18:10	West	19:34	2.3			
14-Mar	Fri	15-Feb	06:16 18:11	10:50 17:11	3	10.25 10.2		06:16 ~ 10:50	West	07:53	2.7			○
								10:50 ~ 17:11	East	13:53	2.2			
								17:11 ~ 18:11	West	20:09	2.6			
15-Mar	Sat	16-Feb	06:14 18:12	11:17 17:39	3	10.4 10.4	Off	06:14 ~ 11:17	West	08:26	2.7			○
								11:17 ~ 17:39	East	14:15	2.3			
								17:39 ~ 18:12	West	20:42	2.7			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing
1 February, 2025 - 31 August, 2025
the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
16-Mar	Sun	17-Feb	06:13 18:13	11:41 18:04	3	10.55 10.5		06:13 ~ 11:41	West	08:56	2.6			○
								11:41 ~ 18:04	East	14:36	2.3			
								18:04 ~ 18:13	West	21:12	2.6			
17-Mar	Mon	18-Feb	06:12 18:14	06:17 12:05	2	10.7 10.7								△
								06:17 ~ 12:05	West	09:23	2.4			
								12:05 ~ 18:14	East	14:57	2.4			
18-Mar	Tue	19-Feb	06:10 18:14	06:39 12:27	2	10.65 10.7	Off							△
								06:39 ~ 12:27	West	09:48	2.1			
								12:27 ~ 18:14	East	15:20	2.3			
19-Mar	Wed	20-Feb	06:09 18:15	07:01 12:51	3	10.7 10.8	Off	06:09 ~ 07:01	East	03:42	1.9			
								07:01 ~ 12:51	West	10:13	1.9			
								12:51 ~ 18:15	East	15:47	2.3			
20-Mar	Thu	21-Feb	06:08 18:16	07:27 13:17	3	10.7 10.7		06:08 ~ 07:27	East	04:14	1.7			
								07:27 ~ 13:17	West	10:39	1.6			
								13:17 ~ 18:16	East	16:19	2.1			
21-Mar	Fri	22-Feb	06:06 18:17	08:00 13:49	3	10.7 10.6		06:06 ~ 08:00	East	04:53	1.5			
								08:00 ~ 13:49	West	11:10	1.3			
								13:49 ~ 18:17	East	16:58	1.9			
22-Mar	Sat	23-Feb	06:05 18:17	08:48 14:30	0	10.7 10.6	Off	Non-fishing						
23-Mar	Sun	24-Feb	06:03 18:18	10:02 15:34	0	10.85 10.6		Non-fishing						
24-Mar	Mon	25-Feb	06:02 18:19	11:55 17:17	3	10.95 10.7		06:02 ~ 11:55	East	08:35	0.8	Non-fishing		
								11:55 ~ 17:17	West	14:53	0.6			
								17:17 ~ 18:19	East	20:42	1.3			
25-Mar	Tue	26-Feb	06:01 18:20	07:23 13:37	3	11 10.7	Off	06:01 ~ 07:23	West	04:04	1.6			
								07:23 ~ 13:37	East	10:07	1.1			
								13:37 ~ 18:20	West	16:36	1.0			
26-Mar	Wed	27-Feb	05:59 18:21	08:24 14:41	3	11.05 10.7		05:59 ~ 08:24	West	05:17	2.0			△
								08:24 ~ 14:41	East	11:13	1.5			
								14:41 ~ 18:21	West	17:41	1.5			
27-Mar	Thu	28-Feb	05:58 18:21	09:11 15:27	3	11.15 10.8		05:58 ~ 09:11	West	06:12	2.4			△
								09:11 ~ 15:27	East	12:04	1.9			
								15:27 ~ 18:21	West	18:32	2.1			
28-Mar	Fri	02/29	05:57 18:22	09:53 16:07	3	11.25 10.9		05:57 ~ 09:53	West	06:58	2.7			○
								09:53 ~ 16:07	East	12:46	2.3			
								16:07 ~ 18:22	West	19:16	2.6			
29-Mar	Sat	1-Mar	05:55 18:23	10:30 16:45	3	11.45 11.1	Off	05:55 ~ 10:30	West	07:39	2.9			◎
								10:30 ~ 16:45	East	13:24	2.6			
								16:45 ~ 18:23	West	19:57	3.0			
30-Mar	Sun	2-Mar	05:54 18:24	11:05 17:21	3	11.65 11.3		05:54 ~ 11:05	West	08:18	2.9			◎
								11:05 ~ 17:21	East	13:59	2.7			
								17:21 ~ 18:24	West	20:36	3.2			
31-Mar	Mon	3-Mar	05:53 18:24	05:55 11:38 17:57	3	11.75 11.5		05:55 ~ 11:38	West	08:56	2.7			◎
								11:38 ~ 17:57	East	14:34	2.7			
								17:57 ~ 18:24	West	21:16	3.2			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing
1 February, 2025 - 31 August, 2025
the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
1-Apr	Tue	4-Mar	05:51 18:25	06:35 12:10	2	11.57 11.8	Off							△
								06:35 ~ 12:10	West	09:32	2.4			
								12:10 ~ 18:25	East	15:07	2.6			
2-Apr	Wed	5-Mar	05:50 18:26	07:14 12:42	3	11.67 11.9		05:50 ~ 07:14	East	03:45	2.2			△
								07:14 ~ 12:42	West	10:09	2.0			
								12:42 ~ 18:26	East	15:42	2.4			
3-Apr	Thu	6-Mar	05:49 18:27	07:54 13:16	3	11.7 11.9		05:49 ~ 07:54	East	04:27	1.8			
								07:54 ~ 13:16	West	10:47	1.6			
								13:16 ~ 18:27	East	16:21	2.1			
4-Apr	Fri	7-Mar	05:47 18:27	08:41 13:54	3	11.8 11.9		05:47 ~ 08:41	East	05:15	1.3			
								08:41 ~ 13:54	West	11:30	1.2			
								13:54 ~ 18:27	East	17:06	1.8			
5-Apr	Sat	8-Mar	05:46 18:28	09:45 14:45	0	12.03 12.2	Off	Non-fishing						
6-Apr	Sun	9-Mar	05:45 18:29	11:19 16:07	0	12.1 12.1		Non-fishing						
7-Apr	Mon	10-Mar	05:43 18:30	06:41 12:58 18:02	3	12.23 12.2		06:41 ~ 12:58	East	09:45	0.8	Non-fishing		
								12:58 ~ 18:02	West	15:35	0.7			
								18:02 ~ 18:30	East	21:35	1.2			
8-Apr	Tue	11-Mar	05:42 18:30	07:44 14:04	3	12.27 12.3	Off	05:42 ~ 07:44	West	04:23	1.6			
								07:44 ~ 14:04	East	10:52	1.1			
								14:04 ~ 18:30	West	16:52	1.2			
9-Apr	Wed	12-Mar	05:41 18:31	08:29 14:51	3	12.33 12.3		05:41 ~ 08:29	West	05:22	1.8			
								08:29 ~ 14:51	East	11:38	1.5			
								14:51 ~ 18:31	West	17:46	1.7			
10-Apr	Thu	13-Mar	05:39 18:32	09:06 15:29	3	12.5 12.3		05:39 ~ 09:06	West	06:08	2.1			△
								09:06 ~ 15:29	East	12:13	1.8			
								15:29 ~ 18:32	West	18:28	2.1			
11-Apr	Fri	14-Mar	05:38 18:33	09:38 16:03	3	12.63 12.4		05:38 ~ 09:38	West	06:47	2.3			○
								09:38 ~ 16:03	East	12:43	2.1			
								16:03 ~ 18:33	West	19:06	2.5			
12-Apr	Sat	15-Mar	05:37 18:33	10:07 16:33	3	12.83 12.7	Off	05:37 ~ 10:07	West	07:21	2.4			○
								10:07 ~ 16:33	East	13:09	2.3			
								16:33 ~ 18:33	West	19:41	2.7			
13-Apr	Sun	16-Mar	05:35 18:34	10:35 17:01	3	12.93 12.8		05:35 ~ 10:35	West	07:54	2.4			○
								10:35 ~ 17:01	East	13:33	2.4			
								17:01 ~ 18:34	West	20:13	2.8			
14-Apr	Mon	17-Mar	05:34 18:35	11:01 17:26	3	13.2 13.2		05:34 ~ 11:01	West	08:24	2.3			○
								11:01 ~ 17:26	East	13:56	2.4			
								17:26 ~ 18:35	West	20:43	2.8			
15-Apr	Tue	18-Mar	05:33 18:36	05:50 11:25 17:48	3	13.13 13.3	Off	05:50 ~ 11:25	West	08:52	2.1			○
								11:25 ~ 17:48	East	14:19	2.4			
								17:48 ~ 18:36	West	21:12	2.7			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing
1 February, 2025 - 31 August, 2025
the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (℃/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
16-Apr	Wed	19-Mar	05:32 18:37	06:13 11:50 18:11	2	13.23 13.6								
								06:13 ~ 11:50	West	09:19	1.9			
								11:50 ~ 18:11	East	14:45	2.4			
17-Apr	Thu	20-Mar	05:30 18:37	06:38 12:16 18:37	3	13.4 13.8		05:30 ~ 06:38	East	03:17	1.9			
								06:38 ~ 12:16	West	09:45	1.7			
								12:16 ~ 18:37	East	15:14	2.3			
18-Apr	Fri	21-Mar	05:29 18:38	07:06 12:44	3	13.47 13.7		05:29 ~ 07:06	East	03:50	1.7			
								07:06 ~ 12:44	West	10:14	1.5			
								12:44 ~ 18:38	East	15:47	2.2			
19-Apr	Sat	22-Mar	05:28 18:39	07:44 13:20	3	13.6 13.9	Off	05:28 ~ 07:44	East	04:30	1.5			
								07:44 ~ 13:20	West	10:48	1.2			
								13:20 ~ 18:39	East	16:29	2.0			
20-Apr	Sun	23-Mar	05:27 18:40	08:36 14:06	0	13.63 13.9		Non-fishing						
21-Apr	Mon	24-Mar	05:26 18:40	09:53 15:17	0	13.7 13.7		Non-fishing						
22-Apr	Tue	25-Mar	05:24 18:41	11:29 17:01	3	13.8 13.7	Off	05:24 ~ 11:29	East	08:07	1.0	Non-fishing		
								11:29 ~ 17:01	West	14:28	0.8			
								17:01 ~ 18:41	East	20:19	1.3			
23-Apr	Wed	26-Mar	05:23 18:42	06:38 12:55 18:41	3	14 13.9		06:38 ~ 12:55	East	09:31	1.2			
								12:55 ~ 18:41	West	16:03	1.2			
								18:41 ~ 18:42	East	21:47	1.6			
24-Apr	Thu	27-Mar	05:22 18:43	07:40 13:57	3	14 13.9		05:22 ~ 07:40	West	04:40	1.8			
								07:40 ~ 13:57	East	10:34	1.6			
								13:57 ~ 18:43	West	17:10	1.8			
25-Apr	Fri	28-Mar	05:21 18:44	08:30 14:47	3	13.97 13.9		05:21 ~ 08:30	West	05:38	2.1			△
								08:30 ~ 14:47	East	11:25	2.0			
								14:47 ~ 18:44	West	18:03	2.3			
26-Apr	Sat	29-Mar	05:20 18:44	09:13 15:31	3	14.17 14.1	Off	05:20 ~ 09:13	West	06:27	2.4			○
								09:13 ~ 15:31	East	12:10	2.4			
								15:31 ~ 18:44	West	18:50	2.8			
27-Apr	Sun	30-Mar	05:19 18:45	09:53 16:13	3	14.3 14.3		05:19 ~ 09:53	West	07:11	2.5			◎
								09:53 ~ 16:13	East	12:51	2.6			
								16:13 ~ 18:45	West	19:34	3.2			
28-Apr	Mon	1-Apr	05:18 18:46	10:30 16:54	3	14.5 14.4	Off	05:18 ~ 10:30	West	07:53	2.5			◎
								10:30 ~ 16:54	East	13:29	2.8			
								16:54 ~ 18:46	West	20:16	3.4			
29-Apr	Tue	2-Apr	05:17 18:47	05:40 11:07 17:34	3	14.6 14.7		05:40 ~ 11:07	West	08:33	2.4			◎
								11:07 ~ 17:34	East	14:07	2.8			
								17:34 ~ 18:47	West	20:58	3.3			
30-Apr	Wed	3-Apr	05:15 18:47	06:22 11:42 18:15	3	14.7 14.8		05:15 ~ 06:22	East	02:53	2.3			△
								06:22 ~ 11:42	West	09:12	2.1			
								11:42 ~ 18:15	East	14:44	2.6			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing
1 February, 2025 - 31 August, 2025
the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
1-May	Thu	4-Apr	05:14 18:48	07:05 12:18	3	14.83 14.9		05:14 ~ 07:05	East	03:35	2.0			
								07:05 ~ 12:18	West	09:52	1.8			
								12:18 ~ 18:48	East	15:23	2.4			
2-May	Fri	5-Apr	05:13 18:49	07:49 12:57	3	14.87 14.9		05:13 ~ 07:49	East	04:19	1.6			
								07:49 ~ 12:57	West	10:34	1.5			
								12:57 ~ 18:49	East	16:04	2.1			
3-May	Sat	6-Apr	05:12 18:50	08:40 13:41	3	14.97 15.1		05:12 ~ 08:40	East	05:10	1.3			
								08:40 ~ 13:41	West	11:21	1.2			
								13:41 ~ 18:50	East	16:53	1.7			
4-May	Sun	7-Apr	05:11 18:51	09:43 14:40	3	15.1 15.1	Off	05:11 ~ 09:43	East	06:16	1.0			
								09:43 ~ 14:40	West	12:18	0.9			
								14:40 ~ 18:51	East	17:59	1.3			
5-May	Mon	8-Apr	05:11 18:51	10:58 16:03	0	15.33 15.3	Off	Non-fishing						
6-May	Tue	9-Apr	05:10 18:52	05:45 12:13 17:44	0	15.53 15.5		Non-fishing						
7-May	Wed	10-Apr	05:09 18:53	06:45 13:14	3	15.67 15.5		05:09 ~ 06:45	West	03:34	1.4	Non-fishing		
								06:45 ~ 13:14	East	09:57	1.2			
								13:14 ~ 18:53	West	16:13	1.3			
8-May	Thu	11-Apr	05:08 18:54	07:32 14:03	3	15.67 15.5		05:08 ~ 07:32	West	04:36	1.6			
								07:32 ~ 14:03	East	10:42	1.5			
								14:03 ~ 18:54	West	17:09	1.7			
9-May	Fri	12-Apr	05:07 18:54	08:12 14:44	3	15.7 15.5		05:07 ~ 08:12	West	05:25	1.7			△
								08:12 ~ 14:44	East	11:21	1.8			
								14:44 ~ 18:54	West	17:54	2.1			
10-May	Sat	13-Apr	05:06 18:55	08:48 15:21	3	15.8 15.6	Off	05:06 ~ 08:48	West	06:07	1.9			△
								08:48 ~ 15:21	East	11:54	2.0			
								15:21 ~ 18:55	West	18:34	2.4			
11-May	Sun	14-Apr	05:05 18:56	09:22 15:54	3	16 15.9		05:05 ~ 09:22	West	06:46	2.0			○
								09:22 ~ 15:54	East	12:24	2.2			
								15:54 ~ 18:56	West	19:11	2.6			
12-May	Mon	15-Apr	05:04 18:57	09:53 16:24	3	16.13 16.1		05:04 ~ 09:53	West	07:21	2.0			○
								09:53 ~ 16:24	East	12:53	2.3			
								16:24 ~ 18:57	West	19:45	2.7			
13-May	Tue	16-Apr	05:04 18:58	10:23 16:52	3	16.23 16.2	Off	05:04 ~ 10:23	West	07:54	1.9			○
								10:23 ~ 16:52	East	13:21	2.4			
								16:52 ~ 18:58	West	20:18	2.8			
14-May	Wed	17-Apr	05:03 18:58	05:29 10:52 17:18	3	16.27 16.3		05:29 ~ 10:52	West	08:26	1.8			○
								10:52 ~ 17:18	East	13:49	2.4			
								17:18 ~ 18:58	West	20:51	2.7			
15-May	Thu	18-Apr	05:02 18:59	05:58 11:21 17:46	3	16.37 16.5		05:58 ~ 11:21	West	08:58	1.7			○
								11:21 ~ 17:46	East	14:18	2.4			
								17:46 ~ 18:59	West	21:23	2.6			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing

1 February, 2025 - 31 August, 2025

the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
16-May	Fri	19-Apr	05:01 19:00	06:28 11:52 18:17	3	16.47 16.6		05:01 ~ 06:28	East	03:00	1.8			
								06:28 ~ 11:52	West	09:29	1.5			
								11:52 ~ 18:17	East	14:51	2.3			
17-May	Sat	20-Apr	05:01 19:01	07:02 12:26 18:53	3	16.67 16.9	Off	05:01 ~ 07:02	East	03:36	1.7			
								07:02 ~ 12:26	West	10:03	1.4			
								12:26 ~ 18:53	East	15:29	2.2			
18-May	Sun	21-Apr	05:00 19:01	07:43 13:07	3	16.67 16.7		05:00 ~ 07:43	East	04:19	1.5			
								07:43 ~ 13:07	West	10:43	1.2			
								13:07 ~ 19:01	East	16:13	2.0			
19-May	Mon	22-Apr	04:59 19:02	08:35 14:00	3	16.67 16.5		04:59 ~ 08:35	East	05:11	1.4			
								08:35 ~ 14:00	West	11:33	1.1			
								14:00 ~ 19:02	East	17:10	1.7			
20-May	Tue	23-Apr	04:59 19:03	09:41 15:12	0	16.8 16.8	Off	Non-fishing						
21-May	Wed	24-Apr	04:58 19:03	10:54 16:44	0	17 17		Non-fishing						
22-May	Thu	25-Apr	04:57 19:04	05:46 12:06 18:16	3	17.07 17		05:46 ~ 12:06	East	08:46	1.5	Non-fishing		
								12:06 ~ 18:16	West	15:22	1.4			
								18:16 ~ 19:04	East	21:16	1.5			
23-May	Fri	26-Apr	04:57 19:05	06:48 13:11	3	17.2 17.1		04:57 ~ 06:48	West	03:54	1.6			
								06:48 ~ 13:11	East	09:50	1.7			
								13:11 ~ 19:05	West	16:34	1.9			
24-May	Sat	27-Apr	04:56 19:06	07:43 14:07	3	17.43 17.4	Off	04:56 ~ 07:43	West	05:00	1.8			△
								07:43 ~ 14:07	East	10:45	2.1			
								14:07 ~ 19:06	West	17:34	2.4			
25-May	Sun	28-Apr	04:56 19:06	08:32 14:59	3	17.77 18.2		04:56 ~ 08:32	West	05:55	1.9			○
								08:32 ~ 14:59	East	11:35	2.4			
								14:59 ~ 19:06	West	18:26	2.8			
26-May	Mon	29-Apr	04:55 19:07	09:17 15:47	3	18 18.5		04:55 ~ 09:17	West	06:45	2.1			◎
								09:17 ~ 15:47	East	12:21	2.6			
								15:47 ~ 19:07	West	19:14	3.2			
27-May	Tue	1-May	04:55 19:08	10:00 16:34	3	18 18.2	Off	04:55 ~ 10:00	West	07:31	2.1			◎
								10:00 ~ 16:34	East	13:05	2.7			
								16:34 ~ 19:08	West	20:00	3.3			
28-May	Wed	2-May	04:55 19:08	05:29 10:42 17:20	3	18.23 18.7		05:29 ~ 10:42	West	08:15	2.0			◎
								10:42 ~ 17:20	East	13:48	2.7			
								17:20 ~ 19:08	West	20:45	3.3			
29-May	Thu	3-May	04:54 19:09	06:14 11:23 18:05	3	18.33 18.3		06:14 ~ 11:23	West	08:58	1.9			◎
								11:23 ~ 18:05	East	14:30	2.6			
								18:05 ~ 19:09	West	21:29	3.1			
30-May	Fri	4-May	04:54 19:10	06:59 12:05 18:50	3	18.4 18.6		04:54 ~ 06:59	East	03:31	1.9			△
								06:59 ~ 12:05	West	09:41	1.8			
								12:05 ~ 18:50	East	15:13	2.3			
31-May	Sat	5-May	04:53 19:10	07:45 12:49	3	18.4 18.7	Off	04:53 ~ 07:45	East	04:17	1.6			
								07:45 ~ 12:49	West	10:25	1.6			
								12:49 ~ 19:10	East	15:58	2.0			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing
1 February, 2025 - 31 August, 2025
the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (℃/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
1-Jun	Sun	6-May	04:53 19:11	08:32 13:38	3	18.43 18.6		04:53 ~ 08:32	East	05:05	1.4			
								08:32 ~ 13:38	West	11:12	1.4			
								13:38 ~ 19:11	East	16:47	1.7			
2-Jun	Mon	7-May	04:53 19:11	09:22 14:35	3	18.47 18.6		04:53 ~ 09:22	East	05:58	1.3			
								09:22 ~ 14:35	West	12:03	1.2			
								14:35 ~ 19:11	East	17:46	1.4			
3-Jun	Tue	8-May	04:53 19:12	10:17 15:44	0	18.63 18.6	Off	Non-fishing						
4-Jun	Wed	9-May	04:52 19:13	11:15 17:04	0	18.87 18.7		Non-fishing						
5-Jun	Thu	10-May	04:52 19:13	05:30 12:11 18:21	3	18.97 18.9		05:30 ~ 12:11	East	08:46	1.4	Non-fishing		
								12:11 ~ 18:21	West	15:17	1.3			
								18:21 ~ 19:13	East	21:14	1.1			
6-Jun	Fri	11-May	04:52 19:14	06:21 13:04	3	18.9 19		04:52 ~ 06:21	West	03:32	1.3			
								06:21 ~ 13:04	East	09:35	1.5			
								13:04 ~ 19:14	West	16:19	1.6			
7-Jun	Sat	12-May	04:52 19:14	07:09 13:52	3	19 19.1	Off	04:52 ~ 07:09	West	04:30	1.3			
								07:09 ~ 13:52	East	10:20	1.7			
								13:52 ~ 19:14	West	17:12	1.9			
8-Jun	Sun	13-May	04:52 19:15	07:54 14:35	3	19.1 19.4		04:52 ~ 07:54	West	05:22	1.4			△
								07:54 ~ 14:35	East	11:02	1.9			
								14:35 ~ 19:15	West	17:59	2.2			
9-Jun	Mon	14-May	04:52 19:15	08:35 15:14	3	19.27 19.5		04:52 ~ 08:35	West	06:08	1.5			△
								08:35 ~ 15:14	East	11:41	2.1			
								15:14 ~ 19:15	West	18:41	2.4			
10-Jun	Tue	15-May	04:51 19:16	09:15 15:51	3	19.33 19.4	Off	04:51 ~ 09:15	West	06:51	1.6			○
								09:15 ~ 15:51	East	12:17	2.2			
								15:51 ~ 19:16	West	19:21	2.6			
11-Jun	Wed	16-May	04:51 19:16	09:52 16:26	3	19.47 19.8		04:51 ~ 09:52	West	07:30	1.6			○
								09:52 ~ 16:26	East	12:53	2.3			
								16:26 ~ 19:16	West	19:59	2.7			
12-Jun	Thu	17-May	04:51 19:16	05:17 10:28 17:00	3	19.57 20		05:17 ~ 10:28	West	08:08	1.6			○
								10:28 ~ 17:00	East	13:28	2.3			
								17:00 ~ 19:16	West	20:35	2.7			
13-Jun	Fri	18-May	04:51 19:17	05:53 11:04 17:35	3	19.73 20.2		05:53 ~ 11:04	West	08:45	1.6			○
								11:04 ~ 17:35	East	14:03	2.3			
								17:35 ~ 19:17	West	21:12	2.7			
14-Jun	Sat	19-May	04:51 19:17	06:28 11:41 18:11	3	19.97 20.8	Off	04:51 ~ 06:28	East	02:53	1.7			△
								06:28 ~ 11:41	West	09:21	1.5			
								11:41 ~ 18:11	East	14:41	2.3			
15-Jun	Sun	20-May	04:51 19:18	07:03 12:21 18:50	3	19.93 20.9		04:51 ~ 07:03	East	03:31	1.7			
								07:03 ~ 12:21	West	09:59	1.5			
								12:21 ~ 18:50	East	15:22	2.2			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing
1 February, 2025 - 31 August, 2025
the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
16-Jun	Mon	21-May	04:52 19:18	07:41 13:06	3	20.03 20.8		04:52 ~ 07:41	East	04:12	1.7			
								07:41 ~ 13:06	West	10:39	1.5			
								13:06 ~ 19:18	East	16:08	2.0			
17-Jun	Tue	22-May	04:52 19:18	08:25 13:59	3	20.17 20.8	Off	04:52 ~ 08:25	East	04:59	1.6			
								08:25 ~ 13:59	West	11:25	1.4			
								13:59 ~ 19:18	East	17:01	1.8			
18-Jun	Wed	23-May	04:52 19:19	09:16 15:04	0	20.17 20.4		Non-fishing						
19-Jun	Thu	24-May	04:52 19:19	10:14 16:21	0	20.3 20.4		Non-fishing						
20-Jun	Fri	25-May	04:52 19:19	11:19 17:48	3	20.5 20.6		04:52 ~ 11:19	East	07:58	1.6	Non-fishing		
								11:19 ~ 17:48	West	14:39	1.6			
								17:48 ~ 19:19	East	20:40	1.4			
21-Jun	Sat	26-May	04:52 19:19	05:53 12:26 19:10	3	20.63 20.7	Off	05:53 ~ 12:26	East	09:03	1.8			
								12:26 ~ 19:10	West	15:58	1.9			
								19:10 ~ 19:19	East	21:56	1.4			
22-Jun	Sun	27-May	04:53 19:19	06:55 13:32	3	20.63 20.7		04:53 ~ 06:55	West	04:20	1.3			△
								06:55 ~ 13:32	East	10:06	2.0			
								13:32 ~ 19:19	West	17:08	2.3			
23-Jun	Mon	28-May	04:53 19:20	07:53 14:34	3	20.8 20.7		04:53 ~ 07:53	West	05:27	1.5			○
								07:53 ~ 14:34	East	11:04	2.2			
								14:34 ~ 19:20	West	18:08	2.7			
24-Jun	Tue	29-May	04:53 19:20	08:48 15:31	3	21 20.8	Off	04:53 ~ 08:48	West	06:24	1.6			◎
								08:48 ~ 15:31	East	11:59	2.4			
								15:31 ~ 19:20	West	19:01	3.0			
25-Jun	Wed	1-Jun	04:53 19:20	09:39 16:24	3	21.03 20.9		04:53 ~ 09:39	West	07:16	1.8			◎
								09:39 ~ 16:24	East	12:51	2.5			
								16:24 ~ 19:20	West	19:49	3.2			
26-Jun	Thu	2-Jun	04:54 19:20	05:22 10:28 17:13	3	21.17 21.1		05:22 ~ 10:28	West	08:03	1.9			◎
								10:28 ~ 17:13	East	13:40	2.5			
								17:13 ~ 19:20	West	20:35	3.2			
27-Jun	Fri	3-Jun	04:54 19:20	06:06 11:14 17:59	3	21.37 21.1		06:06 ~ 11:14	West	08:48	1.9			◎
								11:14 ~ 17:59	East	14:26	2.5			
								17:59 ~ 19:20	West	21:18	3.1			
28-Jun	Sat	4-Jun	04:54 19:20	06:49 12:00 18:43	3	21.5 21	Off	04:54 ~ 06:49	East	03:28	1.9			
								06:49 ~ 12:00	West	09:31	1.9			
								12:00 ~ 18:43	East	15:10	2.3			
29-Jun	Sun	5-Jun	04:55 19:20	07:29 12:45	3	21.73 21.2		04:55 ~ 07:29	East	04:07	1.8			
								07:29 ~ 12:45	West	10:13	1.9			
								12:45 ~ 19:20	East	15:53	2.1			
30-Jun	Mon	6-Jun	04:55 19:20	08:08 13:30	3	21.83 21.5		04:55 ~ 08:08	East	04:44	1.7			
								08:08 ~ 13:30	West	10:54	1.8			
								13:30 ~ 19:20	East	16:35	1.9			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing
1 February, 2025 - 31 August, 2025
the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
1-Jul	Tue	7-Jun	04:56 19:20	08:47 14:18	3	21.87 21.6	Off	04:56 ~ 08:47	East	05:20	1.6	Non-fishing		
								08:47 ~ 14:18	West	11:36	1.6			
								14:18 ~ 19:20	East	17:18	1.6			
2-Jul	Wed	8-Jun	04:56 19:20	09:27 15:11	0	22.03 21.7		Non-fishing						
3-Jul	Thu	9-Jun	04:56 19:20	10:11 16:11	0	22.13 21.6		Non-fishing						
4-Jul	Fri	10-Jun	04:57 19:20	11:00 17:20	3	22.27 21.9		04:57 ~ 11:00	East	07:29	1.5	Non-fishing		
								11:00 ~ 17:20	West	14:10	1.4			
								17:20 ~ 19:20	East	20:02	1.0			
5-Jul	Sat	11-Jun	04:57 19:20	05:03 11:54 18:32	3	22.27 22	Off	05:03 ~ 11:54	East	08:21	1.5	Non-fishing		
								11:54 ~ 18:32	West	15:16	1.4			
								18:32 ~ 19:20	East	21:06	0.9			
6-Jul	Sun	12-Jun	04:58 19:20	05:58 12:50	3	22.47 22.1		04:58 ~ 05:58	West	03:22	1.0	Non-fishing		
								05:58 ~ 12:50	East	09:16	1.6			
								12:50 ~ 19:20	West	16:23	1.6			
7-Jul	Mon	13-Jun	04:58 19:19	06:56 13:46	3	22.83 22.3		04:58 ~ 06:56	West	04:31	1.0			
								06:56 ~ 13:46	East	10:10	1.7			
								13:46 ~ 19:19	West	17:23	1.9			
8-Jul	Tue	14-Jun	04:59 19:19	07:52 14:38	3	22.73 22.4	Off	04:59 ~ 07:52	West	05:33	1.1			△
								07:52 ~ 14:38	East	11:01	1.8			
								14:38 ~ 19:19	West	18:15	2.2			
9-Jul	Wed	15-Jun	04:59 19:19	08:44 15:25	3	22.83 22.6		04:59 ~ 08:44	West	06:26	1.3			△
								08:44 ~ 15:25	East	11:49	2.0			
								15:25 ~ 19:19	West	19:00	2.4			
10-Jul	Thu	16-Jun	05:00 19:19	09:31 16:09	3	23.03 23.1		05:00 ~ 09:31	West	07:13	1.4			○
								09:31 ~ 16:09	East	12:34	2.1			
								16:09 ~ 19:19	West	19:43	2.7			
11-Jul	Fri	17-Jun	05:01 19:18	05:07 10:15 16:51	3	23.1 23.2		05:07 ~ 10:15	West	07:55	1.6			○
								10:15 ~ 16:51	East	13:17	2.3			
								16:51 ~ 19:18	West	20:23	2.8			
12-Jul	Sat	18-Jun	05:01 19:18	05:45 10:57 17:30	3	23.2 23.1	Off	05:45 ~ 10:57	West	08:35	1.7			○
								10:57 ~ 17:30	East	13:57	2.4			
								17:30 ~ 19:18	West	21:00	2.8			
13-Jul	Sun	19-Jun	05:02 19:18	06:19 11:38 18:09	3	23.37 23.2		05:02 ~ 06:19	East	02:47	1.9			
								06:19 ~ 11:38	West	09:12	1.8			
								11:38 ~ 18:09	East	14:38	2.4			
14-Jul	Mon	20-Jun	05:02 19:17	06:51 12:20 18:48	3	23.33 23.2		05:02 ~ 06:51	East	03:22	1.9			
								06:51 ~ 12:20	West	09:50	1.9			
								12:20 ~ 18:48	East	15:19	2.4			
15-Jul	Tue	21-Jun	05:03 19:17	07:25 13:05	3	23.33 23.1	Off	05:03 ~ 07:25	East	03:59	2.0			△
								07:25 ~ 13:05	West	10:28	1.9			
								13:05 ~ 19:17	East	16:02	2.2			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing

1 February, 2025 - 31 August, 2025

the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
16-Jul	Wed	22-Jun	05:04 19:16	08:02 13:53	3	23.43 23.1		05:04 ~ 08:02	East	04:38	1.9	Non-fishing		△
								08:02 ~ 13:53	West	11:09	1.9			
								13:53 ~ 19:16	East	16:49	2.0			
17-Jul	Thu	23-Jun	05:04 19:16	08:45 14:49	0	23.73 23.5		Non-fishing						
18-Jul	Fri	24-Jun	05:05 19:15	09:35 15:58	0	23.9 23.5		Non-fishing						
19-Jul	Sat	25-Jun	05:06 19:15	10:36 17:21	3	23.9 23.5	Off	05:06 ~ 10:36	East	07:10	1.7	Non-fishing		
								10:36 ~ 17:21	West	14:00	1.7			
								17:21 ~ 19:15	East	20:05	1.2			
20-Jul	Sun	26-Jun	05:06 19:14	11:47 18:52	3	24.03 23.7	Off	05:06 ~ 11:47	East	08:19	1.7	Non-fishing		
								11:47 ~ 18:52	West	15:25	1.8			
								18:52 ~ 19:14	East	21:30	1.1			
21-Jul	Mon	27-Jun	05:07 19:14	06:10 13:06	3	24.17 23.6		05:07 ~ 06:10	West	03:44	0.9	Non-fishing		△
								06:10 ~ 13:06	East	09:33	1.7			
								13:06 ~ 19:14	West	16:48	2.0			
22-Jul	Tue	28-Jun	05:08 19:13	07:24 14:20	3	24.33 23.8	Off	05:08 ~ 07:24	West	05:07	1.1			△
								07:24 ~ 14:20	East	10:45	1.9			
								14:20 ~ 19:13	West	17:56	2.4			
23-Jul	Wed	29-Jun	05:08 19:12	08:32 15:24	3	24.63 24.2		05:08 ~ 08:32	West	06:12	1.3			○
								08:32 ~ 15:24	East	11:50	2.1			
								15:24 ~ 19:12	West	18:51	2.7			
24-Jul	Thu	30-Jun	05:09 19:12	09:30 16:19	3	24.67 24.3		05:09 ~ 09:30	West	07:05	1.7			◎
								09:30 ~ 16:19	East	12:48	2.3			
								16:19 ~ 19:12	West	19:39	3.0			
25-Jul	Fri	1-Jun	05:10 19:11	05:10 10:22 17:07	3	24.77 24.7		05:10 ~ 10:22	West	07:53	2.0			◎
								10:22 ~ 17:07	East	13:39	2.5			
								17:07 ~ 19:11	West	20:22	3.1			
26-Jul	Sat	2-Jun	05:10 19:10	05:50 11:09 17:51	3	25.2 25	Off	05:50 ~ 11:09	West	08:35	2.2			◎
								11:09 ~ 17:51	East	14:23	2.5			
								17:51 ~ 19:10	West	21:01	3.1			
27-Jul	Sun	3-Jun	05:11 19:10	06:27 11:53 18:29	3	25.4 25.1		05:11 ~ 06:27	East	03:11	2.1			△
								06:27 ~ 11:53	West	09:15	2.3			
								11:53 ~ 18:29	East	15:02	2.4			
28-Jul	Mon	4-Jun	05:12 19:09	07:01 12:34 19:05	3	25.57 25.6		05:12 ~ 07:01	East	03:41	2.1			△
								07:01 ~ 12:34	West	09:53	2.3			
								12:34 ~ 19:05	East	15:38	2.3			
29-Jul	Tue	5-Jun	05:12 19:08	07:33 13:12	3	25.7 25.9	Off	05:12 ~ 07:33	East	04:08	2.1			△
								07:33 ~ 13:12	West	10:29	2.2			
								13:12 ~ 19:08	East	16:10	2.0			
30-Jul	Wed	6-Jun	05:13 19:07	08:04 13:51	3	25.83 26.1		05:13 ~ 08:04	East	04:35	2.0			△
								08:04 ~ 13:51	West	11:04	2.1			
								13:51 ~ 19:07	East	16:42	1.8			
31-Jul	Thu	7-Jun	05:14 19:07	08:35 14:32	3	25.93 26.5		05:14 ~ 08:35	East	05:03	1.9	Non-fishing		
								08:35 ~ 14:32	West	11:40	1.9			
								14:32 ~ 19:07	East	17:17	1.5			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing
1 February, 2025 - 31 August, 2025
the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
1-Aug	Fri	8-Jun	05:15 19:06	09:10 15:18	0	25.7 25.7		Non-fishing						
2-Aug	Sat	9-Jun	05:15 19:05	09:50 16:16	0	26 26.1	Off	Non-fishing						
3-Aug	Sun	10-Jun	05:16 19:04	10:41 17:29	0	26.07 25.8		Non-fishing						
4-Aug	Mon	11-Jun	05:17 19:03	11:44 18:51	0	26.07 25.8		Non-fishing						
5-Aug	Tue	12-Jun	05:18 19:02	05:58 12:55	0	26.07 25.6	Off	Non-fishing						
6-Aug	Wed	13-Jun	05:18 19:01	07:16 14:05	3	26.27 25.9		05:18 ~ 07:16	West	05:02	0.8			△
								07:16 ~ 14:05	East	10:29	1.6			
								14:05 ~ 19:01	West	17:49	2.0			
7-Aug	Thu	14-Jun	05:19 19:00	08:22 15:05	3	26.33 26.1		05:19 ~ 08:22	West	06:05	1.1			△
								08:22 ~ 15:05	East	11:29	1.8			
								15:05 ~ 19:00	West	18:41	2.3			
8-Aug	Fri	15-Jun	05:20 18:59	09:17 15:56	3	26.37 26.2		05:20 ~ 09:17	West	06:56	1.5			○
								09:17 ~ 15:56	East	12:22	2.1			
								15:56 ~ 18:59	West	19:25	2.7			
9-Aug	Sat	16-Jun	05:20 18:58	10:06 16:41	3	26.4 26.7	Off	05:20 ~ 10:06	West	07:39	1.8			○
								10:06 ~ 16:41	East	13:09	2.3			
								16:41 ~ 18:58	West	20:05	2.9			
10-Aug	Sun	17-Jun	05:21 18:57	05:23 10:50 17:23	3	26.6 27	Off	05:23 ~ 10:50	West	08:19	2.1			◎
								10:50 ~ 17:23	East	13:51	2.5			
								17:23 ~ 18:57	West	20:43	3.0			
11-Aug	Mon	18-Jun	05:22 18:56	05:56 11:32 18:02	3	26.77 27.2		05:56 ~ 11:32	West	08:57	2.3			○
								11:32 ~ 18:02	East	14:31	2.6			
								18:02 ~ 18:56	West	21:19	2.9			
12-Aug	Tue	19-Jun	05:23 18:55	06:27 12:14 18:40	3	26.87 27.2		05:23 ~ 06:27	East	03:03	2.3			△
								06:27 ~ 12:14	West	09:33	2.4			
								12:14 ~ 18:40	East	15:11	2.5			
13-Aug	Wed	20-Jun	05:23 18:54	06:59 12:57	3	27.03 27.4		05:23 ~ 06:59	East	03:36	2.3			△
								06:59 ~ 12:57	West	10:10	2.4			
								12:57 ~ 18:54	East	15:50	2.4			
14-Aug	Thu	21-Jun	05:24 18:53	07:34 13:42	3	27.17 27.8	Off	05:24 ~ 07:34	East	04:10	2.2			△
								07:34 ~ 13:42	West	10:49	2.4			
								13:42 ~ 18:53	East	16:32	2.1			
15-Aug	Fri	22-Jun	05:25 18:52	08:13 14:34	3	27.2 28.1	Off	05:25 ~ 08:13	East	04:48	2.1	Non-fishing		△
								08:13 ~ 14:34	West	11:32	2.2			
								14:34 ~ 18:52	East	17:20	1.7			

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

The expected navigable water area in the traffic lane during the peak season of Stownet-fishing

1 February, 2025 - 31 August, 2025

the expected area: west and east of Ogijima Island

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty**
								Time	Current Direction	Maximum Current		West of Ogijima Island	East of Ogijima Island	
										Time	Speed			
16-Aug	Sat	23-Jun	05:26 18:51	09:00 15:36	0	27.17 27.7		Non-fishing						
17-Aug	Sun	24-Jun	05:26 18:49	10:00 16:59	0	26.97 27.2		Non-fishing						
18-Aug	Mon	25-Jun	05:27 18:48	11:18 18:41	0	26.87 26.9		Non-fishing						
19-Aug	Tue	26-Jun	05:28 18:47	05:37 12:51	0	27.1 26.9	Off	Non-fishing						
20-Aug	Wed	27-Jun	05:28 18:46	07:12 14:14	0	27.17 26.7		Non-fishing						
21-Aug	Thu	28-Jun	05:29 18:45	08:28 15:19	3	27.23 26.7		05:29 ~ 08:28	West	06:03	1.3			○
								08:28 ~ 15:19	East	11:51	1.9			
								15:19 ~ 18:45	West	18:39	2.5			
22-Aug	Fri	29-Jun	05:30 18:44	09:27 16:11	3	27.37 27		05:30 ~ 09:27	West	06:54	1.8			○
								09:27 ~ 16:11	East	12:47	2.2			
								16:11 ~ 18:44	West	19:23	2.8			
23-Aug	Sat	1-Jul	05:31 18:42	10:16 16:55	3	27.4 27.2	Off	05:31 ~ 10:16	West	07:37	2.2			◎
								10:16 ~ 16:55	East	13:32	2.4			
								16:55 ~ 18:42	West	20:02	3.0			
24-Aug	Sun	2-Jul	05:31 18:41	11:00 17:34	3	27.6 27.5		05:31 ~ 11:00	West	08:17	2.5			◎
								11:00 ~ 17:34	East	14:11	2.5			
								17:34 ~ 18:41	West	20:38	3.0			
25-Aug	Mon	3-Jul	05:32 18:40	05:56 11:39 18:08	3	27.73 28		05:56 ~ 11:39	West	08:53	2.6			○
								11:39 ~ 18:08	East	14:44	2.5			
								18:08 ~ 18:40	West	21:11	2.8			
26-Aug	Tue	4-Jul	05:33 18:39	06:26 12:15 18:38	3	27.77 28	Off	05:33 ~ 06:26	East	03:04	2.3			○
								06:26 ~ 12:15	West	09:27	2.6			
								12:15 ~ 18:38	East	15:12	2.3			
27-Aug	Wed	5-Jul	05:33 18:37	06:53 12:48	3	27.8 27.9		05:33 ~ 06:53	East	03:26	2.3			○
								06:53 ~ 12:48	West	09:59	2.5			
								12:48 ~ 18:37	East	15:39	2.1			
28-Aug	Thu	6-Jul	05:34 18:36	07:19 13:22	3	27.93 28.4		05:34 ~ 07:19	East	03:49	2.3			△
								07:19 ~ 13:22	West	10:29	2.4			
								13:22 ~ 18:36	East	16:05	1.9			
29-Aug	Fri	7-Jul	05:35 18:35	07:44 13:56	3	27.67 27.7		05:35 ~ 07:44	East	04:14	2.2	Non-fishing		△
								07:44 ~ 13:56	West	11:00	2.2			
								13:56 ~ 18:35	East	16:35	1.7			
30-Aug	Sat	8-Jul	05:35 18:33	08:13 14:35	0	27.47 27.2	Off	Non-fishing						
31-Aug	Sun	9-Jul	05:36 18:32	08:49 15:24	0	27.37 26.9		Non-fishing						

*The upper row of water temperatures is the average for the last three years.

**Difficulty in navigation: △→○→◎(maximum)

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NO	QUESTION	GUIDANCE	REFERENCE / GUIDANCE	Verified by Master / Comments
2.1	Is the latest Class Survey Status available and are all statutory certificates listed in the Class Survey Status valid, and is the vessel free of condition of class or significant recommendations and are all classification and statutory surveys not overdue?	<p style="text-align: center;">Guide to Inspection</p> <p>The PDF copy of the class survey status that was evaluated during the inspection shall be attached to the inspection report by the inspector. Record Finding if the vessel has any condition of class, significant recommendation, and memorandum.</p> <p>The class survey status shall be available on board and should be dated not more than seven (7) days prior to the date of the inspection. Record a Finding if an up-to-date class survey status was not available on board.</p> <p>The Inspector should accept electronic certificates containing the features below:</p> <ol style="list-style-type: none"> 1. Validity and consistency with the format and content required by the relevant international convention or instrument, as applicable 2. Protected from edits, modifications, or revisions other than those authorised by the issuer or the Administration 3. A unique tracking number, and 4. A printable and visible symbol that confirms the source of issuance <p style="text-align: right;">(GUIDELINES FOR THE USE OF ELECTRONIC CERTIFICATES, 2016)</p> <p>The inspector may request the Master to demonstrate the validity of the electronic certificate following the instructions available on board the ship.</p> <p>If the Master fails to demonstrate, to the satisfaction of the inspector, that an electronic certificate meets the requirements, the inspector shall record a Finding.</p> <p>The IMSBC Code fitness certificate in accordance with IMSBC Code (2020 Edition) may be issued upon request from owners/ shipbuilders on voluntary basis from 1 January 2020.</p> <p>For cargoes listed in Table G1 (Cargo newly added and requirements on construction/equipment (IMSBC Code-4th amendment) as 'Group A and B' or 'Group B', IMSBC Code (2020 Edition) a fitness certificate will be issued in cases where ships comply with requirements in Table G1.</p>	<p>Vessel to have latest CLASS survey report prior inspection.</p> <p>Master to demonstrate validity of electronic certificates.</p> <p>SMS REFERENCE - FLEET PROCEDURES MANUAL - 2.0. SHEQ MANAGEMENT SYSTEM – SECTION 9</p> <p>MEMO /ELECTRONIC CLEARANCE DOCUMENTS / CLASSNK -E CERTIFICATE / MARSHALL ISLANDS CERTIFICATE</p>	<input type="checkbox"/>
2.2	Has the vessel been provided with certificates of financial security for seafarers? (M)	<p style="text-align: center;">Guide to Inspection</p> <p>From 18 January 2017, all ships which are subject to MLC have been required to carry and display on board two certificates confirming that financial security is in place for:</p> <p>(a) shipowners' liabilities for repatriation of crew, essential needs such as food, accommodation, medical care and up to four months' outstanding contractual wages and entitlements in the event of abandonment (Regulation 2.5, Standard A2.5.2 Paragraph 9)</p> <p>(b) contractual payments for death or long-term disability due to an occupational injury, illness or hazard set out in the employment agreement or collective agreement (Regulation 4.2, Standard A4.2.1 paragraph 1(b))</p> <p style="text-align: right;">(FAQs: Maritime Labour Convention 2006 As Amended Financial Security Requirements - The Shipowners' Club, 2020)</p>	<p>Vessel to display both these financial security certificates on notice boards (Latest valid certificate MLC 2.5.2 / 4.2.1)</p> <p>SMS REFERENCE - PERSONNEL MANUAL/11 FINANCIAL SECURITY</p>	<input type="checkbox"/>
2.3	Can all crew communicate effectively in the working language of the ship? (V)	<p style="text-align: center;">Guide to Inspection</p> <p>Record the common language and the level of English proficiency of the crew on board the vessel.</p> <p>On all ships, to ensure effective crew performance in safety matters, a working language shall be established and recorded in the ship's logbook. The company, as defined in regulation IX/1, or the Master, as appropriate, shall determine the appropriate working language. Each seafarer shall be required to understand and, where appropriate, give orders and instructions and to report back in that language. If the working language is not an official language of the State whose Flag the ship is entitled to fly, all plans and lists required to be posted shall include a translation into the working language.</p> <p>On ships to which SOLAS chapter I applies, English must be used on the bridge as the working language for bridge-to-bridge and bridge-to-shore safety communications as well as for communications on board between the pilot and bridge watchkeeping personnel, unless those directly involved in the communication speak a common language other than English. (SOLAS 74, 2020)</p>	<p>STCW - Section A-I/14 / SOLAS regulation V/14.3 /14.4</p> <p>Personnel manual – chapter 3 - CONDITIONS OF EMPLOYMENT – section 2 mentions the working language on board is ENGLISH. Discuss this section with all officers and crew.</p> <p>Company has printed on the deck</p>	<input type="checkbox"/>

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			<p>logbook that English is the working language on board.</p> <p>Master shall ensure that working language (English) is recorded in MPA Official Logbook, page 19 (applicable only for SINGAPORE flag vessels).</p> <p>Ensure all bridge-to-bridge and bridge-to-shore communications as well as for communications on board between the pilot and bridge watch keeping personnel are only in English as per SOLAS regulation V/14.3 /14.4</p> <p>Ensure Safety, security and environmentally critical information, procedures and documentation are available / posted ONLY in English language. If any information is posted in any other language on notice boards or at any other location , same shall be removed.</p> <p>Ensure all day-to-day communications on board are only in ENGLISH.</p> <p>Ensure the instructions in SOLAS training manual, the fire safety operational booklet are in ENGLISH.</p>	
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2.4	Is the vessel's manning in compliance with the Safe Manning Certificate? (V)	<p style="text-align: center;">Guide to Inspection</p> <p>Record in comments the actual and required manning of the vessel. Minimum safe manning is the level of manning that will ensure that a ship is sufficiently, effectively, and efficiently manned to provide safety and security of the ship, safe navigation and operations at sea, safe operations in port, prevention of human injury or loss of life, the avoidance of damage to the marine environment and property, and to ensure the welfare and health of seafarers through the avoidance of fatigue.</p> <p>Except in ships of limited size or propulsion power (which are not quantified), the determination of the minimum safe manning level should also consider the provision of qualified officers to ensure that it is not necessary for the Master or Chief Engineer to keep regular watches by adopting a three-watch system. (PRINCIPLES OF SAFE MANNING, IMO Resolution 1047(27) , 2000)</p> <p>Inspectors should review the crew list and, considering the level of operation at sea and port, assess if there are enough personnel on board to fulfil the following principles of safe manning:</p> <ul style="list-style-type: none"> > Maintain safe navigation by adequate manning of bridge throughout the passage. > Mooring, tending mooring at port and unmooring the ship safely. > Effective performance of cargo operation to ensure safe carriage of cargo during transit. > Performance of on-board functions such as drills, ship security issues, equipment maintenance. > Manning levels should be such as to ensure that the time and place available for taking rest periods are appropriate for achieving a good quality of rest. <p>If it is suspected that the manning levels are low, attention should be paid when answering the following questions where necessary (record Finding under the relevant questions):</p> <ul style="list-style-type: none"> > Navigation bridge, Q 3.8 and Q 3.9 > Moorings Q 10.7 > Engine Control Room Q 13.2, Q 13.5 	<p>Minimum safe manning document</p> <p>PERSONNEL MANUAL - 2.0. MANPOWER - SECTION 5 AND 6</p>	<input type="checkbox"/>
2.5	Do all personnel maintain rest period/work hours and are the rest hours in compliance with STCW or MLC requirements? (V)	<p style="text-align: center;">Guide to Inspection</p> <p>Record a Finding if:</p> <ul style="list-style-type: none"> > There are two or more consecutive violations by any seafarer on-board in any 30 day period. > The vessel's manager has not been informed at least monthly of compliance levels on board. > The work hour records are not to ILO format - Inspector should refer to the IMO/ILO guideline "Guidelines for the Development of Tables of Seafarers' Shipboard Working Arrangements and Formats of Records of Seafarers' Hours of Work or Hours of Rest". <p>1. Each Administration shall, for the purpose of preventing fatigue:</p> <ul style="list-style-type: none"> > Establish and enforce rest periods for watchkeeping personnel and those whose duties involve designated safety, security and prevention of pollution duties in accordance with the provisions of section A-VIII/1 of the STCW Code. > All persons who are assigned duty as officer in charge of a watch or as a rating forming part of a watch and those whose duties involve designated safety, prevention of pollutions and security duties shall be provided with a rest period of not less than: <ol style="list-style-type: none"> 1. minimum of 10 hours of rest in any 24-hour period; and 2. 77 hours in any 7-day period. 3. The hours of rest may be divided into no more than two periods, one of which shall be at least 6 hours in length, and the intervals between consecutive periods of rest shall not exceed 14 hours. > Parties may allow exceptions from the required periods of rest in paragraphs 2.2 and 3 above provided that the rest period is not less than 70 hours in any 7-day period. <p>Exception from the weekly rest period provided for in paragraph 2.2 shall not be allowed for more than two consecutive weeks. The intervals between the two periods of exceptions onboard shall not be less than twice the duration of the exception.</p> <p>The hours of rest provided for in paragraph 2.1 may be divided into no more than three periods, one of which shall be at least six hours in length, and neither of the other two shall be less than one hour in length. The intervals between consecutive periods of rest shall not exceed 14 hours. Exceptions shall not extend beyond two 24-hour periods in any 7-day period. Exceptions shall, as far as possible, take into account the guidance regarding prevention of fatigue in section B-VIII/1.</p> <p style="text-align: right;">(Regulation VIII/1 Fitness for duty STCW 2017)</p>	<p>STCW - Section A-VIII/1 Fitness for duty</p> <p>OJT -33 – WATCH SCHEDULE</p> <p>OJT 9 – REST HOURS</p> <p>PERSONNEL MANUAL – CHAPTER 3 – CONDITION OF EMPLOYMENT - SECTION 3.1 TO 3.7</p> <p>Form 5.2.1 C – ITEM 12</p> <p>Ensure records of work/rest/overtime is recorded on daily basis by each ship staff using CSM.</p> <p>Ensure Individual crew, departmental head and master sign the rest hour form every month.</p> <p>Ensure that the records are properly filed on</p>	<input type="checkbox"/>

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			<p>board. The crew shall receive a copy of the records pertaining to them. The crew should have access to the CSM software.</p> <p>Ensure the rest hour records are accurately recorded by cross-checking other documents, such as deck logbook, engine logbook, GMDSS radio logbook, drill record and oil record book, etc</p> <p>Seafarers shall be compensated with an adequate rest period if the normal period of rest is disturbed by calls , drills, unscheduled work or emergency</p>	
2.6	Has the Master been provided with relevant ship handling training? (V)	<p style="text-align: center;">Guide to Inspection</p> <p>A Master with less than 5 years sea time in rank must have attended a ship handling course.</p> <p>It is important that Masters and chief mates should have had relevant experience and training before assuming the duties of Master or chief mate of large ships or ships having unusual manoeuvring and handling characteristics significantly different from those in which they have recently served. Such characteristics will generally be found in ships which are of considerable deadweight or length or of special design or of high speed.</p> <p style="text-align: right;">(Section B-V/a, STCW 2017)</p> <p>The Master should have attended an approved ship-handling simulator course on an installation capable of simulating the manoeuvring characteristics of such a ship.</p>	<p>Master shall have the ship handling simulator course certificate</p> <p>PERSONNEL MANUAL - 5.0 CERTIFICATION MATRIX (DRY FLEET)</p>	<input type="checkbox"/>
2.7	Have officers and ratings responsible for cargo handling on ships carrying dangerous and hazardous substances in solid form in bulk undergone formal training (v)	<p style="text-align: center;">Guide to Inspection</p> <p>Guidance regarding training of officers and ratings responsible for cargo handling on ships carrying dangerous and hazardous substances in solid form in bulk.</p> <p>Training should be divided into two parts, a general section on the principles involved and a section on the application of such principles to ship operation. All training and instruction should be given by properly qualified and suitably experienced personnel and cover at least the subjects given in paragraphs 2 to 14 of section B/V b of STCW.</p> <p>Shipboard application: Class 4.1 - Flammable solids Class 4.2 - Substances liable to spontaneous combustion Class 4.3 - Substances which, in contact with water, emit flammable gases Class 5.1 - Oxidizing substances Class 6.1 - Toxic substances Class 7 – Radioactive Class 8 - Corrosives Class 9 - Miscellaneous dangerous substances and articles</p> <p>RightShip recommends that all officers and ratings responsible for the carriage and care of dangerous and hazardous substances in solid form in bulk, including Material Hazardous Only in Bulk (MHB), have received appropriate training to comply with the STCW Convention and Code's 2010 Manila Amendments. The 'trickle-down training' approach, a non-formal method of educating officers where one officer trains another, is not deemed acceptable.</p>	<p>Deck Officers and ratings to have received appropriate training to comply with the STCW Convention and Code's 2010 Manila Amendments.</p> <p>All officers and crew to undergo KARCO training on dangerous goods</p>	<input type="checkbox"/>

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2.8	Have officers and ratings responsible for cargo handling on ships carrying dangerous and hazardous substances in packaged form undergone formal training (v)	NA	NA (WE DO NOT LOAD DANGEROUS CARGO IN PACKAGED FORM)	<input type="checkbox"/>
2.9	Has an SMS policy and procedure been established to enforce the STCW Convention and Code requirements for the purpose of preventing drug and alcohol abuse? (V & M)	<div style="background-color: #2c3e50; color: white; text-align: center; padding: 5px;">Guide to Inspection</div> <p>The drug and alcohol policy should define who it applies to. In most circumstances this should be everyone in the organisation, including contractor personnel. The company should ensure that its contractors' policies on drugs and alcohol align with company policy. There may also be reasons to make reference to safety-critical positions/roles or safety-critical work/operations. It should also specify what substances or categories of substance are prohibited under the policy. This should include any psychoactive substance (i.e. affecting cognitive function), regardless of circumstances of use. Individual countries and jurisdictions may have differing regulations on the import, stocking, possession, or use of drugs or alcohol, and there may be legal requirements for testing. The policy will need to take this into account and make appropriate stipulations and requirements, especially with respect to prohibited behaviours, sampling and testing. These requirements should be made clear to personnel. The policy should also refer to those situations where the use of substances is permitted, specifying what the company will allow and the company's expectations and requirements with respect to usage and fitness to work. Local regulations should always be considered and should take precedence when defining specific policy parameters. Permitted use may include prescription drugs brought onboard a ship, with evidence of a valid prescription from a qualified registered medical practitioner or issued from the ship's medical store or the terminal's clinic.</p> <p>This does not preclude a company from having a zero-alcohol and a zero-drug policy on company premises, ships, etc.</p> <p>A drug and alcohol policy should set out clear and consistent expectations regarding conditions of employment, employee behaviour and the consequences of not meeting these expectations. It is recommended that companies set out in their policy a clear and consistent legally compliant stand-down procedure for those cases where the drug and/or alcohol test is confirmed positive. Employees are expected to follow stand-down orders. Depending on company, role and situation, this could mean standing down from all duties, or standing down from safety critical duties only.</p> <p>The policy should highlight and describe those situations or behaviours where disciplinary or other action will be taken, up to and including termination of employment.</p> <p>Typical examples may include:</p> <ul style="list-style-type: none"> > Using, distributing/selling, or possessing alcohol or drugs at work other than where use is permitted. > Non-compliance with Standards of Training, Certification and Watchkeeping (STCW) guidance. > Being under the influence at work, or otherwise unfit for work, due to any prohibited substance. > Not complying with stand-down orders given after a positive test result. > Refusal to test, interfering with or obstructing a sampling and testing process or otherwise failing to cooperate or comply. <p>Consequences should be consistent with local company policy and the law. Since many companies will have operations spanning different countries, it may be necessary to adapt the drug and alcohol policy according to legal advice from those jurisdictions. Companies should have a fair review process, ensuring personnel can challenge a positive result. It is recommended to choose drug and alcohol testing programmes with the most appropriate technology for the specific type of organisation. Considerations may include available tests, cost, gender sensitivity, any medical advice, availability of competent persons and laboratories to carry out relevant tests, and the practicalities of the sampling processes.</p>	<p>Company drug and alcohol policy to be posted</p> <p>Records of Unannounced shore tests arranged by Company</p> <p>Pre-joining medical tests</p> <p>Monthly onboard test by Master – FORM 3.2.15</p> <p>PERSONNEL MANUAL - 7.0. Drug Alcohol Policy</p> <p>Unannounced tests for Master carried out by CE.</p> <p>Records to be filed in sharepoint.</p>	<input type="checkbox"/>

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Specific legal requirements of the jurisdiction may determine what testing can be done and how it must be done. Provided the legal requirements are met, the procedures should include:

- > Employees must consent to being tested for drugs and alcohol for practical and legal reasons. Should they refuse when an employer has grounds for testing, they should be made aware that they may face disciplinary action.
- > Testing must strictly follow validated and authorised processes, to ensure samples cannot be contaminated or tampered with, and that testing procedures and analyses are accurate. It is recommended that companies follow a legally defensible process. This must include adequate training of all parties from sample collection to issuing the validated results, a robust chain of custody process, validated testing methods or laboratories, and an MRO process for non-negative (laboratory positive) samples.
- > Unannounced testing can be done at the workplace and can be done by a trained company collecting officer or an external party – for both drugs and alcohol.
- > Unannounced alcohol tests conducted on-board ships or in terminals can be initiated by the ship's Master, the Terminal Manager or the company. Initiation by the company is important to ensure there is the ability to test the Master or the Terminal Manager.

The following types of drug and alcohol screening at a minimum are recommended:

Types of testing	Frequency
Pre-employment	As required
For cause/reasonable suspicion/post-accident or incident	As required
*Unannounced random/periodical	Once per year OR sufficient to serve as a deterrent to misuse
Return to work/post-treatment	As required

Legal requirements:

Depending on jurisdiction there may be legal prohibitions to import, stock, possess, or use drugs or alcohol, and there may be legal requirements for drug and alcohol testing. Non-compliance with these rules may have legal consequences for the employee and the employer. Since these policies and testing programmes have implications under human rights, employment, criminal, occupational safety and health, and data privacy laws, it is strongly recommended that they are developed under the guidance of a legal professional, drug and alcohol programme professional, human resources professional, and an occupational health or medical professional.

(Reference : OCIMF Guidelines for the Control of Drugs and Alcohol in the Maritime Industry 2024)

2.10 Are the limits of blood and breath alcohol contents in the drug and alcohol policy equal to, or less than the STCW mandatory alcohol limit? (V&M)

Guide to Inspection

Each Administration shall establish, for the purpose of preventing alcohol abuse, a limit of not greater than 0.05% blood alcohol concentration (BAC) or 0.25 mg/l alcohol in the breath or a quantity of alcohol leading to such alcohol concentration for masters, officers and other seafarers while performing designated safety, security, and marine environmental duties.

(Section B-VIII/1, Guidance regarding fitness for duty, STCW 2010)

Company drug and alcohol policy

PERSONNEL MANUAL - 7.0. Drug Alcohol Policy

Company requirements 0.04% BAC

Ensure alcohol meter is operational and vessel has spare sensor onboard

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2.11 When was the date of the last recorded unannounced on-

Monthly onboard test by Master - – FORM 3.2.15

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Section 2: Certificate and personnel management

	board group alcohol test? (M) Record the date		Unannounced tests for Master carried out by CE PERSONNEL MANUAL - 7.0. Drug Alcohol Policy Records to be filed in sharepoint. Company drug and alcohol policy	
2.12	When was the date of the last unannounced drug test undertaken by an external agency? (M) Record the date		Unannounced shore drug tests (Company will decide on the vessel on random basis) PERSONNEL MANUAL - 7.0. Drug Alcohol Policy Company drug and alcohol policy.	<input type="checkbox"/>
2.13	Is the officer matrix accurately completed and does it reflect the information on officers and engineers on board the vessel at the time of inspection? (V)	<div style="background-color: #2c3e50; color: white; text-align: center; padding: 5px;">Guide to Inspection</div> <p>Inspector must record a Finding unless the crew change(s) took place more than seven days before the date of the inspection. If there is a documented procedure in place and senior officers have been transferred between sister ships, the inspector must not record a Finding for a lack of overlap or parallel sailing period.</p> <p>The vessel's manager shall provide sufficient overlap for Master / Chief Officer and Chief Engineer / Second Engineer to ensure that they are familiar with the vessel's operation before taking charge, and both senior officers and senior engineers are not changed at the same time.</p> <p>The vessel's manager is responsible to maintain up-to-date records relating to the officers and engineers on board the vessel at the time of inspection. The inspector should have a copy of the updated officer matrix and check the tour on board, qualifications and experience of officers and engineers against the crew list and seaman books. The actual details of Master, Chief Engineer, Chief Officer and Second Engineer / First Engineer must be checked against the data contained in the matrix and a Finding shall be recorded for inaccurate updates.</p> <p>Random checks must be made of the actual records applicable to junior officers and junior engineers.</p> <p>A seafarer may hold a Certificate of Receipt of Application (CRA) and a valid national STCW Certificate, for a period not exceeding three (3) months while an application for the STCW Endorsement Certificate is being processed. The inspector shall check the validity of CRAs.</p>	PERSONNEL MANUAL - 4.0. PROCEDURE FOR CREW SIGNING ON AND OFF VESSELS -SECTION 7 Obtain officer matrix from crewing department (prior RIGHT SHIP inspection) Master to crosscheck the contents of the matrix Ensure COE /ROA are valid	<input type="checkbox"/>
2.14	If ECDIS was fitted on board, have the Master and Deck Officers completed Generic training and type-specific familiarisation? (V)		STCW certificate shall specify ecdis training Company ECDIS familiarization form – NAV B4 – Completed prior taking over first watch	<input type="checkbox"/>

Section 2: Certificate and personnel management

		<p style="text-align: center;">Guide to Inspection</p> <p>Inspector to record how the familiarisation training was carried out. ECDIS familiarisation should be provided to all on-signing deck officers before they take an independent navigation watch, and each time they join any vessel. (Recommendations on Usage of ECDIS and Preventing Incident, 2020) The STCW Code contains requirements for approved training on ECDIS. In cases where the approved training has not been completed, a limitation shall be included on the certificate and endorsements issued to the seafarer.</p> <p>Where such a limitation is not specified, the certificate and endorsements are evidence of having successfully completed the required approved training and that the standard of competence has been achieved.</p> <p>No requirement exists for the approved training on ECDIS equipment to be type specific. The knowledge, understanding and proficiency required to be demonstrated is generalized to ensure seafarers have the necessary skills for basic operation of all types of equipment.</p> <p>In accordance with regulation, I/14, companies are responsible for ensuring that seafarers employed on their ships are familiarized with the installed equipment, including ECDIS. It is agreed that seafarers required to have training in the use of ECDIS:</p> <ol style="list-style-type: none"> 1. Should not be required to provide documentation of training in ECDIS that is specific to the installed equipment; and 2. Are required to be familiarised with the ECDIS equipment installed on board. <p style="text-align: right;">(STCW.7/Circ.24/Rev.1, 2017)</p> <p>Deck officers who hold a Certificate of Competency with validity over 01 January 2017, in accordance to regulations II/1 and II/2 of the annex to the STCW-Convention and without an ECDIS limitation, fulfil the requirement of generic ECDIS-training.</p> <p>The vessel's manager can consider a wide variety of options for achieving familiarisation both on-board and ashore. These include but are not limited to:</p> <ul style="list-style-type: none"> > Shore based manufacturer training followed by installation-specific familiarisation on-board. > Independent training on specific systems followed by installation specific familiarisation. > Computer Based Training (CBT), followed by installation-specific familiarisation on-board. > Internet / Intranet Based Training (eLearning) followed by installation specific Familiarisation on-board. > On-board training by appropriately trained crew or training personnel. > Manufacturer provided training mode on the ECDIS, followed by installation-specific familiarisation on-board. > Company bridge procedures and manuals. <p>Regardless of the method(s) used, it is essential that all watch keeping officers are competent in the use of the on-board ECDIS prior to taking charge of a navigational watch and remain so thereafter. (Industry Recommendations for ECDIS Familiarisation, 2012)</p> <p>Trickle-down familiarisation, such as one crew member training another, is not deemed acceptable. This approach is unstructured and often results in an incomplete understanding of the equipment's capabilities, particularly the functions that are less frequently used.</p>	<p>CHARTWORLD / CBT to be completed by all deck officers including MASTER</p> <p>All deck officers shall be competent in the use of onboard ECDIS.</p>	
2.15	Does the ship's manager provide value-added training courses beyond the STCW to its on-board officers? (V)	<p style="text-align: center;">Guide to Inspection</p> <p>Record any recent additional training conducted. The vessel's management is responsible for identifying additional training needs, whether they apply to a specific individual or vessel or to the entire fleet. The training technique may involve classroom training or computer-based training. However, a course's content shall address and comply to industry requirements. Bridge Resource Management, Engine Room Resource Management, operation and maintenance of engine-specific types, injectors, exhaust valves, electronic fuel valves, electronic governors, dual fuel systems, fuel pump maintenance, boiler automation, plan maintenance system, environmental training, and hydraulic machinery are examples of additional training.</p> <p>The Company should establish and maintain procedures for identifying any training which may be required in support of the SMS and ensure that such training is provided for all personnel concerned. (ISM Code 2018)</p> <p>The company should establish a procedure to provide company-specific additional training for all ranks. The procedure should specify the type of training and frequency of refresher training.</p>	<p>Electronic engine training</p> <p>Makers technical bulletins.</p> <p>On MAN engines we have remote monitoring by MAN</p> <p>KARCO training</p> <p>SHEQ Form 3.2.1 / 3.2.3</p>	<input type="checkbox"/>