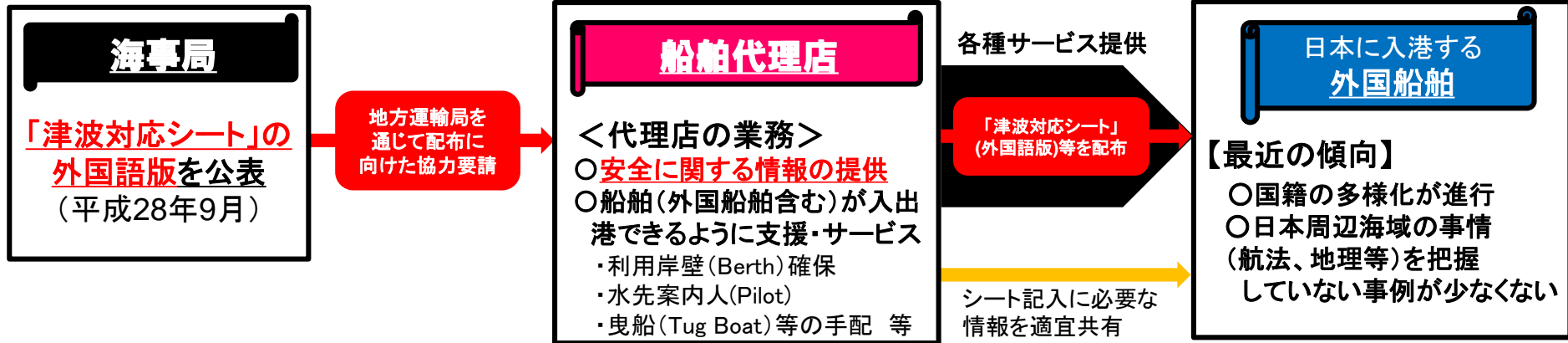


平成29年 外国船舶に対する津波避難対策周知状況

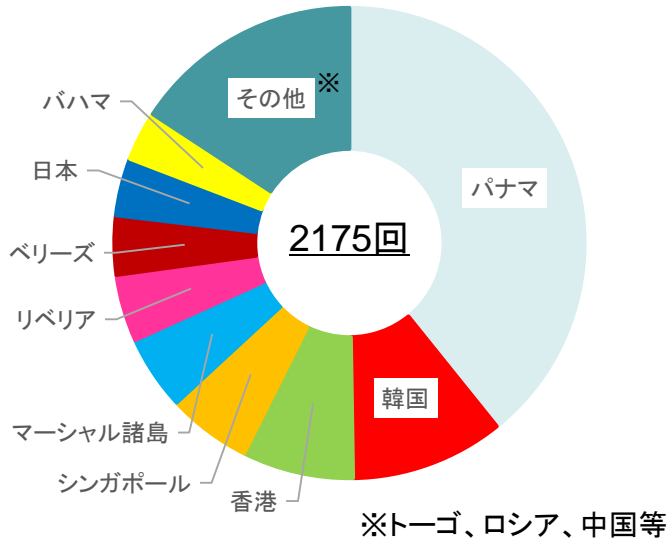
周知のフロー



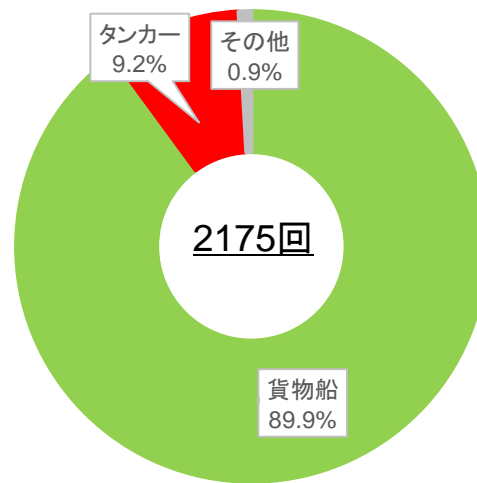
「津波対応シート」(外国語版) 総配布回数 2175回

※平成29年1月～12月(一部前年分含む)

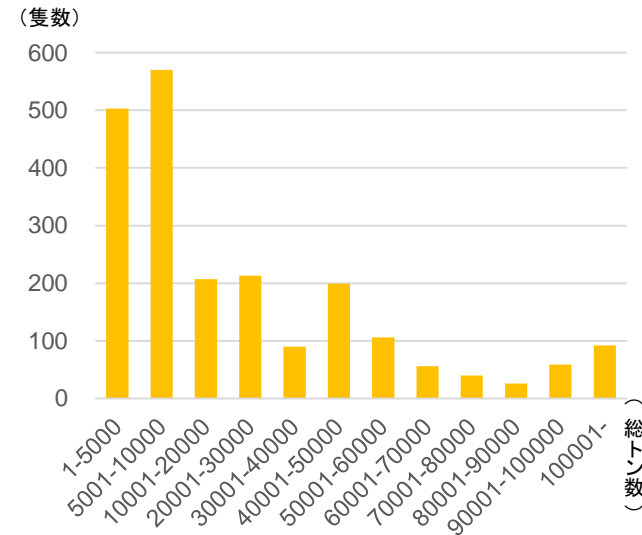
国籍別配布回数



船種別配布回数



総トン数別配布回数



「津波対応シート」について

・津波避難行動のために最低限**必要な3ステップ**を **1枚紙の表裏**にとりまとめ

- ① 事前に記入すべき基本事項
- ② 地震・津波発生時に確認し、判断材料となる情報
- ③ 津波対応行動の際のチェックリスト

・小規模事業者を中心に普及予定

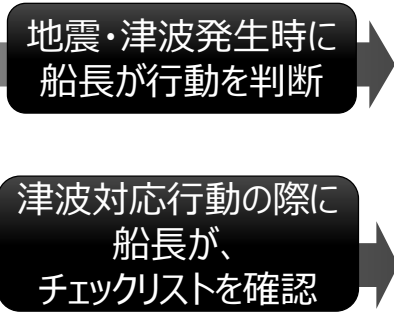
津波対応シート

事前に、船舶運航事業者が基本情報を記入
地震・津波発生時に、船長が情報を確認

表紙には「津波対応シート」として、事業者の基本情報（船名、船種、船主、船長、乗組員数、連絡先など）を記入するための欄が設けられています。また、緊急時の連絡先や避難先に関する情報も記載されています。

チェックリストには、地震発生時の確認事項（船内状況、乗組員の安全確認、船の位置確認など）と、津波発生時の対応手順（避難先への移動、避難経路の確認など）がリストアップされています。

- 港・船舶情報
- 避難先情報
- 連絡先
- 津波対応
(判断目安)
- チェックリスト



[平成28年7月公表]

Name: _____ 【Port: _____】 Cargo Ship

Response against Tsunami Checklist

(This sheet is not authorized as obligation by statute.)

Confirming before port entry in advance

Port and Ship Information			
Port:		Berthing direction: Inbound / Outbound	
Berth / Quay:		Quay: Aseismic design or not	
Ship name:		Gross Tonnage:	
Ship type:	Crew:	Cargo:	

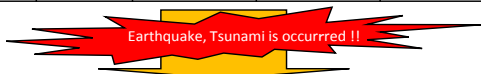
Basic Information			
Safe water area: From () , () Degree () m		Water depth: m	
Location : Latitude:	Longitude:	Distance from berth to safe water area : nm	
Time to arrive safe water area: minutes			
Place of evacuation area on land :		Handling support: Tug (Yes • No)	

Contact Point	
Agent:	Operating company:
Stevedore:	Harbor Master:
Liner:	Japan Coast Guard:
Tug Company:	Other:

Confirm Tsunami information in advance, if possible.	The assumed maximum Tsunami height: m (time of arrival:)
--	--

Response against Tsunami (Basic Policy)

Warning level	Tsunami height	On berthing		On anchoring	
		Within ~ minutes	More than ~ minutes	Within ~ minutes	More than ~ minutes
Major Tsunami warning	More than 3m				
Tsunami warning	1~3m				
Tsunami advisory	Less than 1m				



Earthquake Information (Date -)				
Time	h	m	Scale	M
			Place	Seismic Intensity
Tsunami Information				
Major Tsunami warning		Tsunami warning		Tsunami advisory
Time to arrival of Tsunami		m		Anticipated height
				m

Captain Judgement

↓

Emergency departure

↓

Stay alongside

↓

Evacuation to the land

Judge if Earthquake, Tsunami is occurred
Captain shall Judge

(表)

【Port: _____】 Cargo Ship

Basic Response List

(Fill in the as far as practicable)

Keep monitoring the latest information of Tsunami.
(from TV, Radio or VHF)

Confirm Tsunami occurrence indication
from Port master, Harbor administrator,
etc...

Emergency departure *Continue to obtain the information of Tsunami (from TV, Radio or VHF)

- ① Interruption of cargo work (minutes)
- ② Crew readiness (minutes)
- ③ Standby for departure (Engine and Thruster if provided) (minutes)
- ④ Consider support Tug, handler and Mooring crew are necessary or not (minutes)
- ⑤ Confirm store landing facilities (Crane, Loading Arm, Bellows Chute, etc...) available
- ⑥ Check the suitability of the departure route (Proximity of hazards and other vessels in way of departure route)
- ⑦ Unmooring or cutting lines (minutes)
- ⑧ Give notice to the shore (relevant departments or the operating company), after departure (minutes)

Stay alongside *Continue to obtain the information of Tsunami (from TV, Radio or VHF)

- ① Crew readiness (minutes)
- ② Tending mooring lines / Tightening brakes of mooring winches (minutes)
- ③ Standby anchor (minutes)
- ④ Standby engine and thruster if provided (To avoid damaging of lines, Surging) (minutes)
- ⑤ Discuss or instruct for the interruption of Cargo work, etc... (minutes)
- ⑥ Check watertight measures (close all the watertight doors /openings, etc...) (minutes)
- ⑦ Give notice to the shore (relevant departments or the operating company) (minutes)
- ⑧ Check the ways to obtain the latest information.

(Preparing vessel on the advice or the indication from Harbor Master/ Harbor administrator, etc...)
(Check the safe water area in advance for the emergency departure)
(Check the safe area, the evacuation route for evacuation to the land)

Evacuation to the land *Continue to obtain the information of Tsunami (from TV, Radio or VHF)

- ① Crew readiness (minutes)
- ② Check the safe area, the evacuation route, the required time to evacuate etc... (minutes)
- ③ Instruct crew to evacuate to land (minutes)
- ④ Carry out the required work on board till Evacuation to the land (minutes)

(Disengaging the connections such as loading facilities between the ship and the land)

Attention in case of drifting (Additional points)

When the ship drifts from berth, the mooring may break, and cargo handling facilities, such as cranes etc. may collapsed, therefore crew shall evacuate to the safe area.

(裏)