

In-Table Summarized Tsunami Response Actions by Vessel Type and Situation

Tsunami Warning/Advisory,Vessel Types,and Recommended Actions

Tsunami Warning/Advisory (PH:Predicted Height)		Time Allowance to Tsunami Strike	In a port Berthing Vessels		Anchoring Vessels/Buoy-mooring Vessels	Proceeding Vessels(Including Arrival/Leaving shore Work)		Construction work in the port
			Large/Med-Size Vessels(Including Fishing Vessels)	Small Vessels		Large/Med-Size Vessels(Including Fishing Vessels)	Small Boats(Pleasure Boats,Fishing Boats,etc)	
			Vessels Carrying Dangerous Cargo	General Vessels (Including Working Vessels)	Small Vessels(Pleasure Boats,Fishing Boats,etc)	—		Working Vessels (Including Crane Ship,etc)
Major Tsunami Warning	Over 10 meters (10m < PH)	No	<input type="radio"/> Suspend loading/unloading or operations <input type="radio"/> Berthing sheltering or evacuation on terrene	<input type="radio"/> Evacuation on terrene	<input type="radio"/> Suspend loading/unloading or operations <input type="radio"/> In a port sheltering	<input type="radio"/> In a port sheltering	<input type="radio"/> In a port sheltering or evacuation on terrene after docking	<input type="radio"/> Suspend construction and work <input type="radio"/> Evacuation on Terrene
	10 meters (5m < PH ≤ 10m) 5 meters (3m < PH ≤ 5m)	Yes	<input type="radio"/> Suspend loading/unloading or operations <input type="radio"/> Offshore evacuation	<input type="radio"/> Evacuation on terrene after lift on the terrene and do lashing or strengthen mooring(Offshore evacuation,if necessary)	<input type="radio"/> Suspend loading/unloading or operations <input type="radio"/> Offshore evacuation	<input type="radio"/> Offshore evacuation	<input type="radio"/> Lift on the terrene and do lashing after dockings or evacuation on terrene or evacuate outside the port after strengthen mooring	<input type="radio"/> Suspend construction and work <input type="radio"/> Offshore evacuation or preventive measures against drifting
Tsunami Warning	3m (1m < PH ≤ 3m)	No	<input type="radio"/> Suspend loading/unloading or operations <input type="radio"/> Berthing sheltering or evacuation on terrene	<input type="radio"/> Evacuation on terrene	<input type="radio"/> Suspend loading/unloading or operations <input type="radio"/> In a port sheltering	<input type="radio"/> In a port sheltering	<input type="radio"/> In a port sheltering or evacuation on terrene after docking	<input type="radio"/> Suspend operations <input type="radio"/> Evacuation on terrene
		Yes	<input type="radio"/> Suspend loading/unloading or operations <input type="radio"/> Offshore evacuation	<input type="radio"/> Evacuation on terrene after lift on the terrene and do lashing or strengthen mooring(Offshore evacuation,if necessary)	<input type="radio"/> Suspend loading/unloading or operations <input type="radio"/> Offshore evacuation	<input type="radio"/> Offshore evacuation	<input type="radio"/> Lift on the terrene and do lashing after dockings or evacuation on terrene or evacuate outside the port after strengthen mooring	<input type="radio"/> Suspend construction and work <input type="radio"/> Offshore evacuation or preventive measures against drifting
Tsunami Advisory	1m (0.2m < PH ≤ 1m)	—	<input type="radio"/> Suspend loading/unloading or operations <input type="radio"/> Berthing sheltering or offshore evacuation	<input type="radio"/> Evacuation on terrene after lift on the terrene and do lashing or strengthen mooring(Offshore evacuation,if necessary)	<input type="radio"/> Suspend loading/unloading or operations <input type="radio"/> In a port sheltering (Offshore evacuation,if necessary)	<input type="radio"/> Offshore evacuation	<input type="radio"/> Lift on the terrene and do lashing after dockings or evacuation on terrene or evacuate outside the port after strengthen mooring	<input type="radio"/> Suspend construction and work <input type="radio"/> Offshore evacuation or preventive measures against drifting
The Nankai Trough Earthquake Temporary Information	The Nankai Trough Earthquake Temporary Information (Huge Earthquake Caution)		<input type="radio"/> Vessels in the port are prepare for evacuation,and prepared to leave the port as need. <input type="radio"/> Note Information on Nankai Trough Earthquake announced by the Japan Meteorological Agency. <input type="radio"/> Evacuate to safe sea area voluntarily when you can't receive necessary support system for evacuation.					
	The Nankai Trough Earthquake Temporary Information (Huge Earthquake Attention)		<input type="radio"/> Note Information on Nankai Trough Earthquake announced by the Japan Meteorological Agency. <input type="radio"/> Make sure the emergency call tree,the sea area where you evacuate and so on so that you can evacuate from the port.					
Remarks				May evacuate outside the port in case there is enough time to refuge and enough area outside the port	Vessels anchored near traffic route, facilities, or in shallow move to deeper, wider waters if you have time allowance.			

【Definition of items】

Large sized vessels: Vessels unable to make self-leaving off the port without the assistance of support boats(tugboats,etc)and/or pilot service.

Medium sized vessels: Other vessels than large vessels or small vessels.

Small boats: [Pleasure/fishing boats]They are small enough to be carried onto land and sheltered(excluding docking).

With dangerous cargo: Dangerous cargo tanker,radioactive substance loading vessels,gunpowder loading vessels.

On terrene evacuation: Crew members take refuge on terrene in high places,as high risk is predicted for in-vessel sheltering.Before leaving the vessel,complete securing -vessel-measures where possible, such as securing dangerous cargo and ensuring protection from vessel being swept away.

Berthing sheltering: Resisting tsunami power while berthing by means of enhancement of berthing force or through the use of engines.(Acceptance of land workers seeking emergency shelters onboard should be considered.

In a port sheltering: Sheltering in the emergency sheltering area inside the port and resisting tsunami power by means of anchors or using engines/thrusters.

Offshore evacuation: Choose a wide area where water is deep and away from the coast(if face a difficulties in evacuation,re-choose in a port sheltering.)

Lift on the terrene and do lashing: Unload and secure the pleasure boats and other small boats so that they may not get washed away to sea by the tsunami.