



PLEASURE CRAFT SAFETY FORUM



Case Studies

- Collision incident - importance of COLREGS/ROR
- Fire incidents - prevention & response
- Diving incident – safe practice



Boat Collision Incident

THE STRAITS TIMES

SINGAPORE

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Search on for man who fell overboard after boat collision off Pulau Hantu



Four passengers were rescued safely after a collision between two pleasure craft off Pulau Hantu, but one remains missing. PHOTO: LIANHE ZAOBAO FILE



Boat Collision Incident



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Senior Correspondent

UPDATED MAR 03, 2024, 12:09 AM ▾



SINGAPORE - A search is on for a man who fell overboard from a pleasure craft off Pulau Hantu.

The Maritime and Port Authority of Singapore (MPA) said it was alerted to a collision between two pleasure craft off Pulau Hantu. The incident took place on March 2 around 1.30pm.

MPA said five passengers had fallen overboard. Four of them have been rescued safely, but one remains missing.



Boat Collision Incident

- [Collision Incident Video](#)
- Mitigating Collision/MOB Risks:
 - Maintain look out at all times
 - Life buoy & Life-jacket – made available/accessible
- **Int. Collision Regns Rule 5** states:
 - Every vessel shall at all times maintain a proper **lookout by sight and hearing as well as by all available means** appropriate to the prevailing circumstances and conditions so as to make a full appraisal of the situation and of the **risk of collision.**



COLREGS

- Other relevant COLREGS rules:

- Rule 6 Safe Speed:**

- *Every vessel shall **at all times proceed at a safe speed** so that she can take proper and effective action to avoid collision...*

- Rule 7 Risk of Collision:**

- *(d) In determining if risk of collision exists the following considerations shall be among those taken into account: (i) Such **risk shall be deemed to exist if the compass bearing of an approaching vessel does not appreciably change;***



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COLREGS

Rule 16 Action by Give-way Vessel:

*Every vessel which is directed to keep out of the way of another vessel shall, so far as possible, **take early and substantial action to keep well clear.***

Rule 17 Action by Stand-on Vessel:

*(a) (ii) **The stand-on vessel may however take action to avoid collision by her manoeuvre alone, as soon as it becomes apparent to her that the vessel required to keep out of the way is not taking appropriate action in compliance with these Rules.***



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Boat Fire Incident 2018

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15 hurt, including infant, after yacht catches fire at Sentosa Cove



A photo taken by a passer-by shows the yacht engulfed in flames while berthed at One Degree 15 Marina Club. PHOTO: SHAZAN



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Boat Fire Incident 2018

NEW STRAITS TIMES BUSINESS TIMES

NEWS REGIONAL BUSINESS TIMES LIFE & TIMES

NST VIRAL CRIME & COURTS NATION GOVERNMENT / PUBLIC POLI

Phuket

By Daily Mail - August 7, 2019 @ 9:10pm



Firefighters, rescue workers and marine police arrived at the scene and brought the fire under control after around an hour.
Pic courtesy of DAILY MAIL



Boat Fire Incident 2022

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Singapore

Fire on boat at Keppel Bay extinguished after an hour: SCDF



 **Ian Cheng**
30 May 2022 02:09PM
(Updated: 30 May 2022 03:10PM)
      

A screengrab of a video sent by a CNA reader showing the blaze on a boat at Marina at Keppel Bay on May 30, 2022.



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Boat Fire Incident 2022



Firefighters at Keppel Bay Vista on May 30, 2022. (Photo: Singapore Civil Defence Force)



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Boat Fire Incident 2023



News / National

Boats worth nearly \$2 million destroyed by fire in Sydney



By Lucy Slade | 12:33pm Aug 10, 2023





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Boat Fire Incident 2024



Watch: fire tears through busy marina and destroys several yachts in Piraeus, Greece

2 August 2024 • Written by Dea Jusufi



Causes of Yacht Fires

Some of the major causes include:

- Defective or overloaded electrical wires/circuits equipment
- Burning cigarettes
- Defective fuel/gas fired boilers-heaters
- Leaking fuel or gas lines
- Overloaded laundry dryers
- Hot surfaces like portable electrical heaters, halogen lamps, cooking equipment, laundry irons in combination with flammable, combustible or explosive materials, liquids or oily rags
- Arson

Source: Maaswinkel, 2016 (Shipowners Club)



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Recommended Precautions

Some recommended practical precautions that owners, managers and crew should follow to prevent fires:

1. Marina security officers to conduct patrol regularly.
2. Crew members or an external caretaker should keep a regular fire safety watch on board.
3. Keep an eye on surrounding yachts for any signs of smoke or fire.
4. No smoking should take place on board and a dedicated smoking area should be set up outside of accommodation.
5. Follow safe fuel oil bunkering procedures.



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Recommended Precautions

5. Regular visual inspections and maintenance of electrical wires & equipment, lighting systems, galley & laundry equipment, fuel & gas systems and auxiliary machinery should take place.
6. All electrical circuits should have protection against overload and short circuit.
7. All outboard electrical switches, wires and fuses should be protected from rain or water spray.
8. Charging lead-acid batteries must be stored inside well-ventilated areas and protected from accidental arcing and explosive gases.



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Recommended Precautions

9. After use, close off and properly store all flammable liquids (e.g. paint, thinner, chemicals) inside ventilated lockers, preferably outside of living spaces.
10. Turn off all electrical, oil or gas appliances after use (e.g. galley, laundry).
11. Always keep engine rooms, engine room bilges, machinery spaces and galleys clean.
12. Regular inspection and maintenance of fire detection systems (smoke, heat detectors) should take place.



Preparing to respond in an emergency

1. Marina crew, yacht owners, managers and crew should always be prepared to respond adequately to fires while docked in a marina;
2. Have contact details at hand of local emergency services, the marina manager, dock master, yacht manager/owner.
3. Have a sufficient quantity of portable fire extinguishers on board, in accordance with MPA/flag/class requirements.



Preparing to respond in an emergency

4. Regular inspection & maintenance of all portable and/or fixed firefighting equipment & systems, as per MPA/flag/class, requirements should take place.
5. Conduct regular fire drills.
6. Always have sufficient crew members on board while docked in a marina; for large yachts, it is recommended to have sufficient crew on board to fight a fire, or to cast off and sail out of the marina when an adjacent yacht is on fire.
7. Marinas/Yacht clubs to set-up Emergency Response Team – fire-fighting, towing of yachts away from fire etc.

[Boat Fire Video](#)



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Diving Incident



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Singapore

Diver dies after getting entangled with boat propeller; MOM investigating

The 22-year-old worker had been performing hull cleaning works for a ship at the eastern anchorage off East Coast.



Ng Hong Siang

19 Jun 2024 09:56PM
(Updated: 20 Jun 2024 10:21AM)

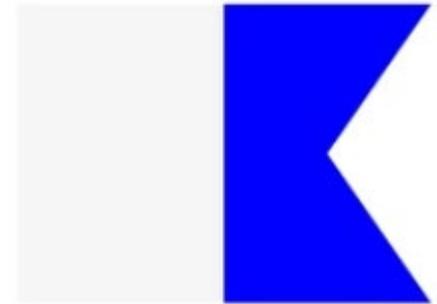


A screengrab of a video sent to CNA shows the authorities responding to the incident at the eastern anchorage off East Coast on Jun 18, 2024.



Diver – Near Miss

- Near Miss Incident [Video](#)
- Safe practice:
 - Set-up SOP & Emergency procedures
 - Diver is certified by approved certification association
 - Alpha/Diver flag prominently placed/raised
 - Appoint a responsible person to monitor diver(s)
 - Alert other passing boats as necessary



Meaning:

“I have a diver down,
keep well clear at slow speed”