



Purpose:

The e-learning module (ELM) is designed for theoretical training of navigators in accordance with Chapter II of the STCW Convention in the part concerning of application of International Regulations for Preventing Collisions at Sea, 1972 (COLREGS).

The ELM is included in the "*Shiphandling basics*" library.

What is an e-learning module?

E-learning module is the electronic textbook on one or more sections. Theoretical materials can be accompanied by drawings, diagrams, photos, animations and videos. There is a test for assessment of knowledge gained at the end of each section.

Contents:

- Principal Foundations of COLREGs
- COLREGs Requirements for Special Equipment, Supply of Vessels and Its Use
- Steering and Sailing of Vessels in Various Conditions in Accordance with COLREGs Requirements

Target groups

Deck - Management
Deck - Operational

Ship types

Generic



Regulations

Table A-II/1 STCW Code

Competence:

Maintain a safe navigational watch

Knowledge, understanding and proficiency:

Watchkeeping

Thorough knowledge of the content, application and intent of the International Regulations for Preventing Collisions at Sea, 1972, as amended.

Table A-II/2 STCW Code

Competence:

Establish watchkeeping arrangements and procedures

Knowledge, understanding and proficiency:

Watchkeeping

Thorough knowledge of the content, application and intent of the International Regulations for Preventing Collisions at Sea, 1972, as amended.

Table A-II/3 STCW Code

Competence:

Maintain a safe navigational watch

Knowledge, understanding and proficiency:

Watchkeeping

Thorough knowledge of the content, application and intent of the International Regulations for Preventing Collisions at Sea, 1972, as amended.





INTERNATIONAL REGULATIONS FOR PREVENTING COLLISIONS AT SEA, 1972 (COLREGS)
Version: 02/2023

Section 2. COLREGS Requirements for Special Equipment, Supply of Vessels and Its Use

Rule 24 of the COLREGS establishes the requirements for the lights and shapes of vessels when towing and pushing.

A power-driven vessel when towing shall exhibit:

- (i) instead of the masthead light forward or second masthead light abaft, two masthead lights in a vertical line. When the length of the tow, measuring from the stern of the towing vessel to the after end of the tow, exceeds 200 metres, three such lights in a vertical line;
- (ii) sidelights;
- (iii) a sternlight;
- (iv) a towing light in a vertical line above the sternlight;
- (v) when the length of the tow exceeds 200 metres, a diamond shape where it can best be seen.

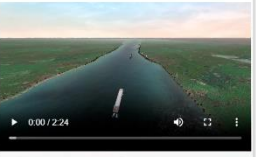

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Section 2. COLREGS Requirements for Special Equipment, Supply of Vessels and Its Use

When in sight of one another in a narrow channel or fairway:

- (i) a vessel intending to overtake another shall in compliance with rules that establish the requirements for the steering and sailing in narrow channels, indicate her intention by the following signals on her whistle:
 - two prolonged blasts followed by one short blast to mean 'I intend to overtake you on your starboard side';
 - two prolonged blasts followed by two short blasts to mean 'I intend to overtake you on your port side';
- (ii) the vessel about to be overtaken when acting in accordance with rules that establish the requirements for the steering and sailing in narrow channels, shall indicate her agreement by the following signal on her whistle:
 - one prolonged, one short, one prolonged and one short blast, in that order.

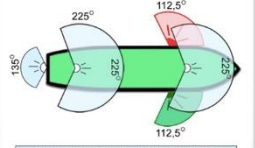
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Section 2. COLREGS Requirements for Special Equipment, Supply of Vessels and Its Use

The visibility of lights depending on the length of the vessel is established by the Rule 22 of the COLREGS.

The same Rule indicates that white all-round lights exhibited on inconspicuous, partly submerged vessels or objects being towed shall be visible at the minimum range of 3 miles.



RANGE OF VISIBILITY OF LIGHT DEPENDS ON LENGTH OF VESSEL in nautical miles					
Length of vessel	Masthead light	Sidelights	Sternlight	Towing light	All-round light (white, red, green, yellow)
50 metres or more	5	3	3	3	3
20 metres but less than 50 metres	5	2	2	2	2
12 metres but less than 20 metres	3	2	2	2	2
less than 12 metres	2	1	2	2	2

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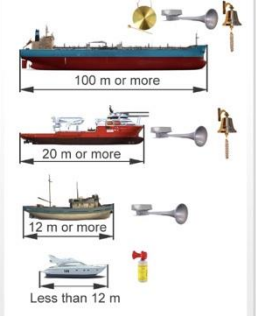
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Section 2. COLREGS Requirements for Special Equipment, Supply of Vessels and Its Use

Rule 33 of the COLREGS establishes the following requirements for the availability of sound signalling appliances on vessels:

- a vessel of 12 metres or more in length shall be provided with a whistle;
- a vessel of 20 metres or more in length shall be provided with a bell in addition to a whistle;
- a vessel of 100 metres or more in length shall, in addition, be provided with a gong, the tone and sound of which cannot be confused with that of the bell; and
- a vessel of less than 12 metres in length shall not be obliged to carry the above sound signalling appliances prescribed but, if she does not, she shall be provided with some other means of making an efficient sound signal.

In accordance with Rule 34 of the COLREGS, if whistles are fitted on a vessel at a distance apart of more than 100 metres, one whistle only shall be used for giving manoeuvring and warning signals.



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Section 2. COLREGS Requirements for Special Equipment, Supply of vessels and Its Use

Rule 35 of the COLREGS establishes sound signals in restricted visibility (fog signals). The fog signals shall be used in or near an area of restricted visibility, whether by day or night.

However, a vessel of less than 12 metres in length shall not be obliged to give the prescribed signals in restricted visibility but, if she does not, shall make some other efficient sound signal at intervals of not more than 2 minutes.

SOUND SIGNALS IN RESTRICTED VISIBILITY	
VESSEL	SOUND
Power-driven vessel making way through water	●● 2 min
Power-driven vessel underway but stopped and making no way through water	●● 2 sec ●● 2 min ●● 2 sec



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Test: tasks

Test of questions

Indicate which of the sailing vessels in the figure that are approaching one another, so as to involve risk of collision, shall keep out of the way of the other.

Choose all the correct answers



Vessel 'A'.
 Vessel 'B'.
 Vessel 'C'.
 Vessel 'D'.

Attempts: 1

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