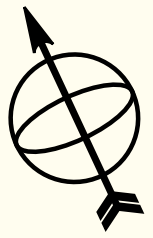


# THE NAUTICAL INSTITUTE



Survey October 2002

## IMPROVING THE APPLICATION OF THE COLREGS

This survey is an attempt to discover what are the norms, problems, and influences which affect decisions taken on the bridge with regard to the Colregs. Please answer all the questions. If you require more space for some answers, attach additional sheets.

**NOTE: YOUR CONTRIBUTION TO THIS SURVEY IS ENTIRELY ANONYMOUS.**

### Section A - Personal Certification

1. Grade of your Certificate of Competency
2. Position
3. Country of issue
4. Date of issue
5. Country where certificate study was undertaken

### Section B – Personal Experience In the past 5 years:

6. Total time at sea
7. Type of vessel most sailed on
8. Size of the above vessel
9. Principal area of trade
10. Busiest traffic area visited

### Section C - Conduct of the Rules

Where the question requires an estimate of percentage occurrence please circle the nearest percent round number.

11. In your experience, what percentage of potential collision encounters with other vessels result in manoeuvres contrary to the Colregs?

0 10 20 30 40 50 60 70 80 90 100

12. Again as percentage of potential collisions, how often are you forced into manoeuvres contrary to the Colregs because of the wrong action of the other vessel?

0 10 20 30 40 50 60 70 80 90 100

13. What in your opinion, is the main reason for manoeuvring contrary to the Colregs?

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14. What percentage of collision avoidance manoeuvres are negotiated by radio contact?

0 10 20 30 40 50 60 70 80 90 100

15. What percentage, of these negotiated manoeuvres, are contrary to the requirements of the Colregs?

0 10 20 30 40 50 60 70 80 90 100

16. What is the most common reason for negotiating manoeuvres contrary to the Colregs?

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17. Do you ever find yourself in disagreement with your fellow officers regarding the correct action to take in a collision situation? YES/NO

18. What type of encounter is likely to cause the most disagreement?

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19. How often do you come across vessels which are apparently showing inappropriate lights and shapes?

Rarely  Sometimes  Frequently  Tick appropriate box

20. Please describe typical instances of incorrect or inappropriate signals you have observed.

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21. When operating in reduced visibility below 0.5 nm, on what percentage of these occasions:

(b) Are you at reduced speed?

0 10 20 30 40 50 60 70 80 90 100

(a) Are your engines on standby?

(c) Are fog signals sounded?

0 10 20 30 40 50 60 70 80 90 100

0 10 20 30 40 50 60 70 80 90 100

22. If you answered anything less than 100% to any of the above; what are the major reasons for not complying with the Colregs, and/or considering full speed to be a "safe speed" within the requirements of Rule 6?

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23. In your experience, are there times when other duties and interruptions have distracted you from a proper response to a collision situation? Indicate the percentage frequency of this distraction on an average watch in moderate traffic (say more than ten targets on the radar screen on the 12-mile range).

0 10 20 30 40 50 60 70 80 90 100

24. For you, what are the worst and/or most frequent distractions?

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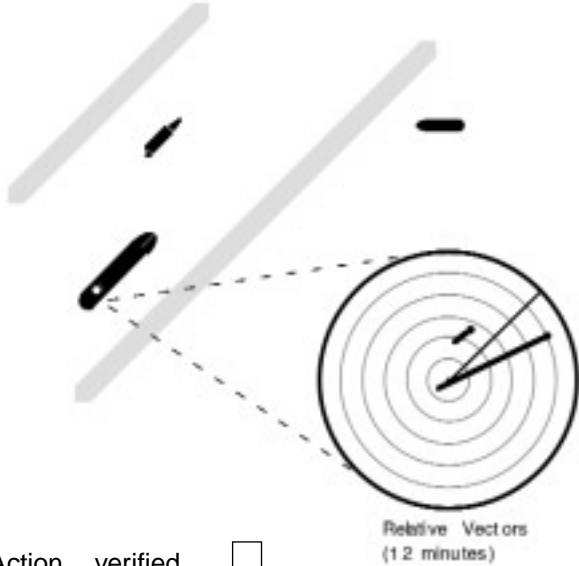
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## Section D – Scenarios

In each scenario your "own ship" is marked with a white dot. Indicate your preferred course of action on the left and the target ship's expected action as per the Colregs on the right. WHERE MORE THAN ONE ECHO APPEARS ON THE RADAR THE "TARGET" REFERRED TO IS THE VESSEL SHOWING A COLLISION VECTOR.

If you wish you can verify your action by consulting a copy of the Colregs. If you do, please tick the verification box at the bottom left.

### Scenario 1.



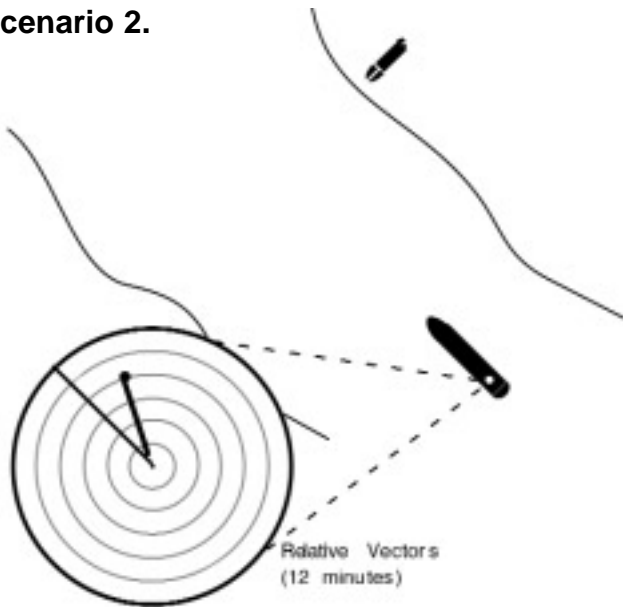
**Situation: Crossing vessel on edge of a separation scheme.**

**ARPA: Relative North-up presentation. 6 mile range.**

Own Ship		Target Ship
<input type="checkbox"/>	Stand-on	<input type="checkbox"/>
<input type="checkbox"/>	Alter to Stbd.	<input type="checkbox"/>
<input type="checkbox"/>	Alter to Port	<input type="checkbox"/>
<input type="checkbox"/>	Slow down	<input type="checkbox"/>
<input type="checkbox"/>	Stop	<input type="checkbox"/>

Action verified

### Scenario 2.



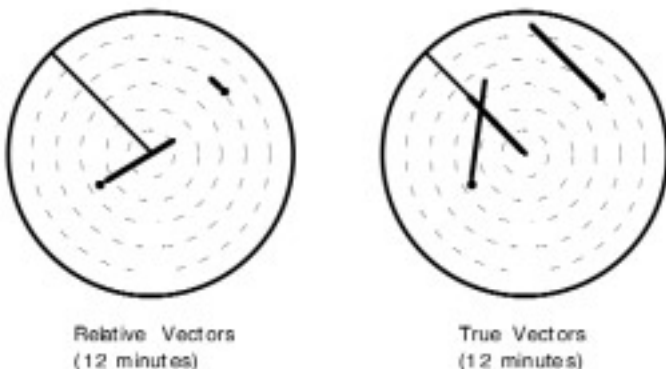
**Situation: Own vessel can only navigate within the 3.5nm wide channel. Small vessel crossing.**

**ARPA: Relative North-up presentation. 6 mile range.**

Own Ship		Target Ship
<input type="checkbox"/>	Stand-on	<input type="checkbox"/>
<input type="checkbox"/>	Alter to Stbd.	<input type="checkbox"/>
<input type="checkbox"/>	Alter to Port	<input type="checkbox"/>
<input type="checkbox"/>	Slow down	<input type="checkbox"/>
<input type="checkbox"/>	Stop	<input type="checkbox"/>

Action verified

### Scenario 3.



**Situation: Poor visibility, vessels not in sight of one another. Own ship at reduced speed.**

**ARPA: Relative North-up presentation. 6 mile range.**

Own Ship		Target Ship
<input type="checkbox"/>	Stand-on	<input type="checkbox"/>
<input type="checkbox"/>	Alter to Stbd.	<input type="checkbox"/>
<input type="checkbox"/>	Alter to Port	<input type="checkbox"/>
<input type="checkbox"/>	Slow down	<input type="checkbox"/>
<input type="checkbox"/>	Stop	<input type="checkbox"/>

Action verified

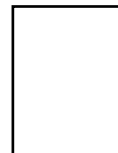
25. What if any, of the following actions might improve conduct of anti-collision actions at sea. Please number these in order of priority, number 1 as the most important.

- |  |                          |   |                          |
|--|--------------------------|---|--------------------------|
| Improving education and training             | <input type="checkbox"/> | Additional experience at sea as a trainee officer | <input type="checkbox"/> |
| Raising examination standards                | <input type="checkbox"/> |   |                          |
| Better supervision by senior officers at sea | <input type="checkbox"/> | Other (Please describe below)                     | <input type="checkbox"/> |

Please include any other suggestions or elaborate on the above.

The survey is open until 31 January 2003

Thank you for giving up your time to complete this survey. Please fold and tuck or place in an envelope and post to the address below:



Please affix stamp

**Return to:  
Captain R J Syms BSc FNI  
The Nautical Institute Colregs Study  
52 Bain Terrace  
Trevallyn  
Launceston  
Tasmania 7250  
Australia**

Or fax +61 (0)3 6331 6690

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If you can involve more seafarers in this study please ask for more questionnaires from The Nautical Institute, 202 Lambeth Road, London SE1 7LQ. Tel +44 (0)20 7928 1351 or download from the website [www.nautinst.org/colregs](http://www.nautinst.org/colregs)  
Please also photocopy if that would be easier.