

SCHEDULE 3

Regulation 16

TRUNKED MECHANICAL VENTILATION SYSTEM

(1) The trunked mechanical ventilation system referred to in regulation 16 (in this Schedule referred to as “the system”) shall, in relation to the spaces specified in the second column of Table 1 of this Schedule, be capable of the respective standards of performance specified in the third or fourth column of that Table, whichever standard shall be the higher in the circumstances. In this paragraph and in Table 1 of this Schedule, the term “spaces” excludes the spaces mentioned in Table II of this Schedule.

(2) The system shall, in relation to the spaces specified in the second column of Table II, be capable of the respective standards of performance specified in the third and fourth columns of that Table.

(3) A supply system shall be provided for the galley to provide the air changes required in Table II. That supply system may serve the provision storerooms as well as the galley, but shall be separate from the supply system for any other spaces.

(4) A separate exhaust system shall be provided for the galley to provide the air changes required in Table II.

(5) If any provision store room is served by a fan which provides warmed air for any other space, the store room shall be provided with ventilation trunking separate from that serving such other space.

(6) The clear area of the exhaust openings provided in conjunction with the system shall be sufficient to ensure that the velocity of air at each exhaust opening does not exceed 305 metres per minute when the system is in operation.

(7) The speed of every supply fan forming part of the system shall be capable of being varied where D.C. motors are used.

(8) The system shall be quiet in operation.

(9) All trunking forming part of the system shall be fitted with non-return flaps where such flaps are necessary for the exclusion of effluvia and the preservation of health of the crew.

(10) If the system is designed to circulate heated air as the sole means of heating the crew accommodation, the system shall be sub-divided into sections which can be separately controlled to the extent necessary to enable a comfortable temperature to be maintained in all parts of the crew accommodation.

TABLE I (not applicable to spaces specified in Table II)

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
<i>Category</i>	<i>Space</i>	<i>Fresh air changes per hour</i>	<i>Volume of fresh air, in cubic metres per minute, for each person likely to use the room at any one time</i>
A	ACCOMMODATION ABOVE THE UPPER DECK		
(i)	Rooms (other than those in Category (ii))		
	(1) outside rooms (other than rooms adjoining machinery casings)	12	1.42

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1 Category	2 Space	3 Fresh air changes per hour	4 Volume of fresh air, in cubic metres per minute, for each person likely to use the room at any one time
	(2) inside rooms and rooms adjoining machinery casings	15	1·42
(ii)	Mess rooms, smoking rooms and recreation rooms		
	(1) not adjoining machinery casings	15	0·71(1)
	(2) adjoining machinery casings	18	0·71(2)
B	ACCOMMODATION BELOW THE UPPER DECK OF MOTOR VESSELS		
	Rooms (other than those in Category (ii))		
(i)	(1) outside rooms (other than rooms adjoining machinery casings)	12	1·42
	(2) inside rooms and rooms adjoining machinery casings	15	1·70
(ii)	Mess rooms, smoking rooms and recreation rooms		
	(1) not adjoining machinery casings	15	0·71
	(2) adjoining machinery casings	18	0·71
C	ACCOMMODATION BELOW THE UPPER DECK OF STEAM SHIPS		
(i)	Rooms (other than those in Category (ii))		
	(1) outside rooms (other than rooms immediately above or adjoining machinery casings)	12	1·42
	(2) inside rooms and rooms immediately above or adjoining machinery casings	18	1·70

- (1) Provided that, whatever the number of persons likely to use the room at any one time, the total volume of fresh air per minute shall not be required to exceed such volume per minute as would produce 20 fresh air changes per hour.
- (2) Provided that, whatever the number of persons likely to use the room at any one time, the total volume of fresh air per minute shall not be required to exceed such volume per minute as would produce 20 fresh air changes per hour.

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<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
<i>Category</i>	<i>Space</i>	<i>Fresh air changes per hour</i>	<i>Volume of fresh air, in cubic metres per minute, for each person likely to use the room at any one time</i>
(ii)	Mess rooms, smoking rooms and recreation rooms		
	(1) not adjoining machinery casings	18 0·85(3)	
	(2) adjoining machinery casings	20 0·85(4)	
D	PASSAGEWAYS ABOVE AND BELOW THE UPPER DECK		
	Adjoining machinery casings	4 —	

TABLE II

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
<i>Category</i>	<i>Space</i>	<i>Fresh air changes per hour Supply</i>	<i>Exhaust</i>
E	Galleys	20(5)	40
F	Sanitary accommodation, laundries, drying rooms and pantries. Private or semi-private toilets	(6)	15
		(7)	10
G	Wards in permanent hospitals	12	—
		or such greater number as would result in the supply of not less than 1·42 cubic metres of fresh air per minute for each bed in the ward	
H	Dry provision store rooms	Not less than 10 and not more than 20(8)	

(3) Provided that, whatever the number of persons likely to use the room at any one time, the total volume of fresh air per minute shall not be required to exceed such volume per minute as would produce 25 fresh air changes per hour.

(4) Provided that, whatever the number of persons likely to use the room at any one time, the total volume of fresh air per minute shall not be required to exceed such volume per minute as would produce 25 fresh air changes per hour.

(5) 15, if at least two sides of the galley are exposed to the weather.

(6) Mechanical supply ventilation may be fitted in addition to the mechanical exhaust ventilation provided that the volume of air supplied does not exceed that provided by the exhaust.

(7) Mechanical supply ventilation may be fitted in addition to the mechanical exhaust ventilation provided that the volume of air supplied does not exceed that provided by the exhaust.

(8) Subject to the provisions of regulation 30(3).