

ANNEX 8A

HQ1 INFORMATION BOARDS AND CONTROL DOCUMENTATION

1. To assist the Command and Control team in HQ1 an outfit of information boards is to be provided in accordance with Naval Engineering Standard (NES) 119 and [Table 8A-1](#):

- a. Damage Control Incident Board (see [Annex 8B](#)).
- b. Damage Control Command State Board (see [Annex 38B](#)).
- c. Pumping and Flooding Board (DD/FF and larger ships only).
- d. HPSW System Board.
- e. Fuel and Fresh Water State Board (Multiple Damage Control section ships only).
- f. Damage Control Door and Hatch Board.
- g. Damage Control Ventilation Board.
- h. CBRN Protection Officers (CBRNPO) Incident and Information Boards.
- i. Damage Control Electrical Information Board (see [Chapter 19](#)).

2. In newer ships, these boards may be replaced by electronic displays.

3. Command State Board

The HQ1 Command State Board, an example of which is at [Annex 8C](#), is identical to the board maintained by the Command Adviser (WEO) in the Ops Room and by the DWEO in the Weapon Section Base.

4. Pumping and Flooding Board

This board consists of a series of deck plans up to at least the highest survivable static waterline. On it are shown the watertight subdivision of the ship, and various stability data for each compartment if flooded. Each compartment is bordered as follows:

Green	Watertight compartment
Orange	AVCAT
Brown	DIESO
Blue	Fresh and Sea Water
Red	Magazines
Yellow	Storerooms
Silver grey	Machinery Spaces

5. Each compartment may contain some of the following information. The effect on the heel and trim of the vessel when the compartment is filled and the capacity of each compartment in tonnes of seawater. In addition the compartment may contain the change in GMF for the worst case scenario, it may also contain information about other pumping and flooding arrangements for that compartment, for example the location of salvage eductors or cross flooding lines.

6. The information provided on the board gives guidance to the operator on the affects of various floods. Hence the board can be used to assess what counter flooding is required to recover from a damage incident and to provide guidance on how counter flooding might affect the available reserve of stability. The board is to be operated by the DCO or Command Stability Advisor (large ships) who must have an intimate knowledge of the pumping and flooding arrangements of the ship.

7. HPSW System Board

This board shows, in broad outline, the ships HPSW system. The numbering of isolating valves and hydrants is detailed in [Para 0332](#). Red pegs can be inserted in provided holes at the valve positions to indicate the valves are shut. Green pegs can be inserted in provided holes at the pump positions to indicate the pumps are running. Other colour pegs may be used to indicate, say, 'Pump defective' or 'Valve defective'. The board is operated under the supervision of the DCO.

8. Fuel and Fresh Water State Board

The board is in the form of a tabular statement indicating clearly, in the case of fuel, the machinery units for which the tanks are providing. The statement should indicate:

- a. 95% capacity of each tank in tonnes and the location of the tank.
- b. State of tank at any given time and the time at which the state was last determined.
- c. Whether the tank is in use or 'standby'.

9. Damage Control Door and Hatch Board

This board should include all the deck plans of the ship on which are shown:

- a. The position of all watertight and gastight doors, hatches, manholes and access trunks with their location markings.
- b. The Damage Control risk and control marking for each opening.
- c. The regulations for watertight and gastight openings and the number of openings permitted to be open in each Damage Control condition.

Coloured pegs can be inserted to indicate the openings that are open at any given time and those pegs should be the predominant feature of the board.

10. Damage Control Ventilation Board

The Damage Control Ventilation Board (see [Fig 8A-1](#)) is an essential aid for firefighting, smoke removal and watertight and gastight control, and is designed to enable use by non-technical personnel. It consists of a series of deck plans showing the areas served by each supply, exhaust and conditioned-air system using colour codes of blue, scarlet and orange respectively. Each system is identified by the number of the fan or ATU serving it with directional arrows, indicating the direction of air flow, adjacent to each fan number. Each compartment served by an ATU has its boundaries delineated by a continuous orange line, and contains the number of the ATU serving it. The related tabular statement (see [Fig 8A-2](#)) is an integral part of the ventilation board.

11. CBRN Protection Officer's (CBRNPO) Information Boards

These consist of:

- a. A scaled down reproduction of the Main Incident Board.
- b. A Total Dose Record Board (see BRd 2170(2) Annex 6A).
- c. A Dose Rate Graph (see BRd 2170(2) Annex 6B).
- d. A Radiological Monitoring and Decontamination Board (see BRd 2170(2) Annex 6C).
- e. A Chemical State Board (see BRd 2170(2) Annex 8A).

12. Damage Control Electrical Information Board

This is maintained by the DCO(L), as detailed in [Chapter 19](#).

13. Kill Cards

A full set of compartment Kill Cards are to be readily available in HQ1 (see [Annex 21J](#)).

14. Smoke Clearance Plans

A full set of Smoke Clearance Plans are to be readily available in HQ1.

15. CBRNDC Class Book

CB 4538 - CBRNDC Class Book, CB 9500 - Survivability Handbook or Platform Statistical Stability Information with Damage Examples is to be readily available in HQ1. Latest platforms, Contractor Logistic Support (CLS) and Commercial Classes of ship will be provided with 'Hard Copy' or electronic versions of this information.

16. Aides Memoire

A comprehensive set of Aides Memoire that cover ship borne emergencies and procedures depending upon the Class or type of ship.

Fig 8A-1. Example of Ventilation Board

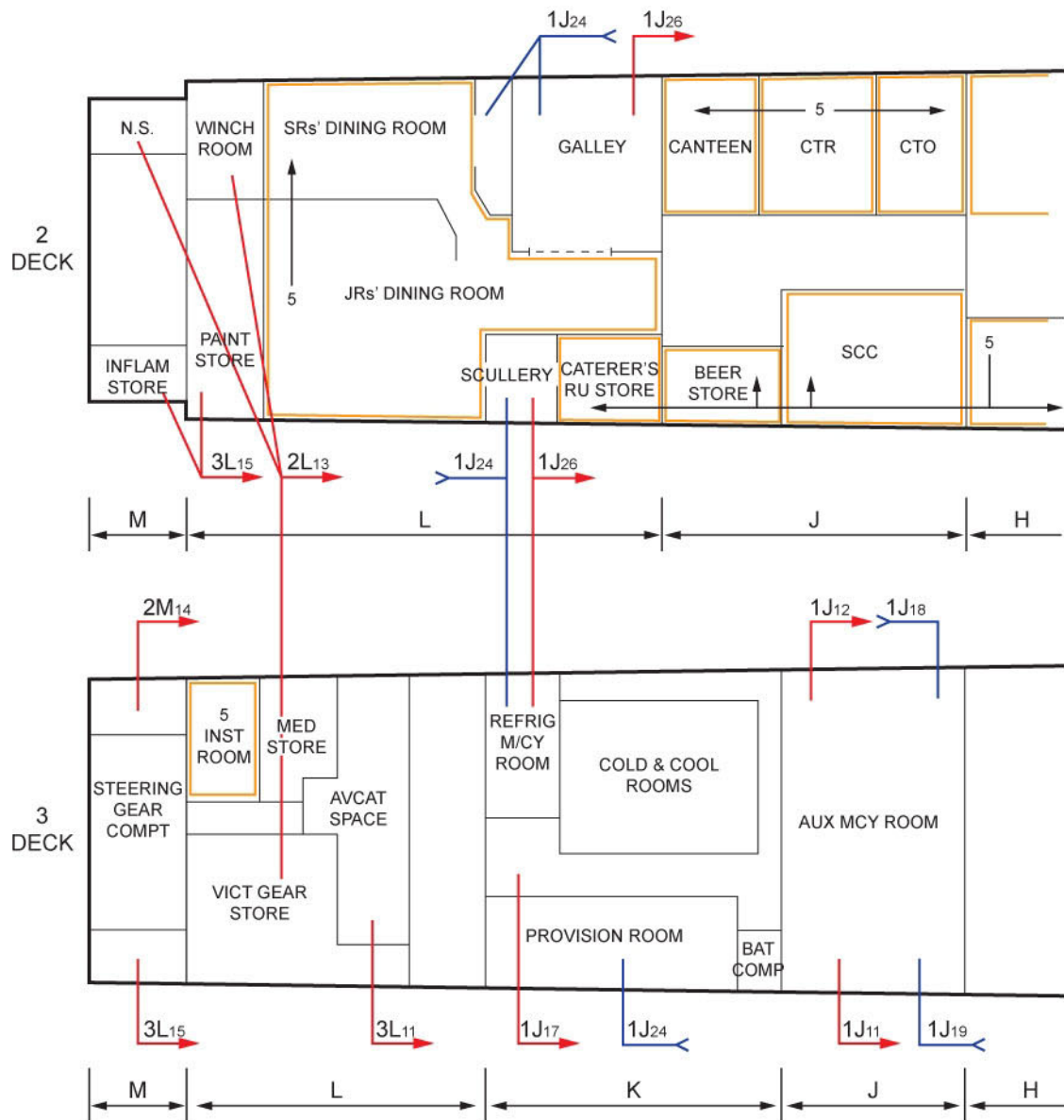


Fig 8A-2. Ventilation Board - Associated Tabular Statement

SUPPLY						SERVICE	EXHAUST					
EXTERNAL CLOSURE AND CONTROL MARKING		INTERNAL CLOSURE	STARTER POSITION AND CONTROL MARKING		FAN & SYSTEM NUMBER		FAN & SYSTEM NUMBER	STARTER POSITION AND CONTROL MARKING		INTERNAL CLOSURE	EXTERNAL CLOSURE AND CONTROL MARKING	
01 Deck 64:65(P)	A	BV	SL Galley O/S	A	1J24	Rating Galley Servery and Scullery 2L, Fridge Space Provision Room 3K	-	-	-	-	-	-
-	-	-	-	-	-	Rating Galley, Scullery 2L, Fridge Space and Ratings Dining Hall	1J26	2L Galley O/S	A	By Fire Flap	01 Deck 65: P65(P)	A
-	-	-	-	-	-	Hangar 1J	1J15	01G PASSAGE	A	-	01 Deck 58: 59(S)	A
-	-	-	-	-	-	NAAFI Beer and Spirit Store	1J17	3K Flat	A	BV	01 Deck 61: 62(S)	A
-	-	-	-	-	-	Winch Room 2L, Victualling Store, Medical Store 3L and No 5 Naval Store	2L13	2L Lobby Aft	A	Changeover and Shut Off Flap	2 Deck 78: 79(S)	A
-	-	-	-	-	-	Flam Store 2M and Paint Room 2L	3L13	2L Lobby	A	BV	2 Deck 78: 79(S)	A
-	-	-	-	-	-	Steering Gear Compartment	2M14	3K Flat	I	BV	2 Deck 78: 79(P)	A

Fig 8A-2. Ventilation Board - Associated Tabular Statement (Cont'd)

SUPPLY						SERVICE	EXHAUST					
EXTERNAL CLOSURE AND CONTROL MARKING		INTERNAL CLOSURE	STARTER POSITION AND CONTROL MARKING		FAN & SYSTEM NUMBER		FAN & SYSTEM NUMBER	STARTER POSITION AND CONTROL MARKING		INTERNAL CLOSURE	EXTERNAL CLOSURE AND CONTROL MARKING	
01 Deck 61:62 (S)	M	BV	5J AAMR (P) Fwd	M	1J19	Aft Aux Machinery Room	1J11	5J AAMR (P) Fwd	M	BV	01 Deck 57:58(S)	M
01 Deck 61:62(P)	M	BV	2H Passage (P) O/S GW Magazine	M	1J18		1J11	2H Passage (P) O/S GW Magazine	M	BV	01 Deck 57:58(P)	M

Table 8A-1. Damage Control Information Boards and Control Documentation

	MULTI SECTION SHIPS				SINGLE SECTION SHIPS			WE	
<i>Note. The scales shown are the minimum requirement.</i>	HQ1	HQ2	SB	FRPP	HQ1	AHQ	FRPP	WSB	OPS ROOM
Incident Board.	1:150	1:150	1:150	1:200	1:150	1:300	1:200	*	*
Command State Board.	*	*	-	-	*	*	-	*	*
Weapons and Sensors State Boards (600 x 600 mm).	*	-	-	-	-	-	-	*	-
Main Systems Board.	*	*	*	*	*	*	*	-	-
Damage Control 'L' Information Board. (1000 x 600 mm).	*	*	*	*	*	*	*	-	-
Damage Control Door and Hatch Board (1:200 or 1:100).	*	*	*	-	*	-	-	-	-
Damage Control Ventilation Board.	1:200	1:200	1:200	-	1:100	1:100	-	-	-
Pumping and Flooding Board (1:200 Length).	*	*	-	-	*	-	-	-	-
Fuel and Fresh Water State Board.	*	*	-	-	-	-	-	-	-
Total Dose Record Board (750 x 500 mm).	*	*	-	-	*	-	-	-	-
Chemical State Board.	*	-	-	-	*	-	-	-	-
CBRNPO's Incident Board (600 x 600 mm).	*	*	-	-	*	*	*	-	-
Kill Cards (A4).	FF	FF	FF	-	FF	FF	-	WE	-
Closing Down Route Cards.	*	*	*	-	*	-	-	-	-
Safety Plan (RFAs only).	-	-	-	*	-	-	*	-	-