

CHAPTER 16

COLLISION BILL

16-1 GENERAL:-

The conditions of war, where ships usually travel in a darkened state, at night, and often in large convoys, make the dangers from collision an ever present hazard.

The Collision Bill provides for an orderly procedure to be followed when a collision occurs and the personnel necessary to preserve the buoyancy and stability of the ship.

16-2 COLLISION ALARM:-

- (a) One long blast of the whistle.
- (b) Pass the word giving the location of the damage, as:
"Collision - port bow, frame 8, Main Deck."
- (c) Secure will be three blasts on the whistle followed by passing the word, "Secure."

16-3 CONTROL MEASURES:-

On the LSM, when a collision occurs, the following measures are resorted to immediately in order to control the buoyancy and stability of the ship:

- (a) Isolation of damaged compartments.
- (b) Stopping the influx of water.
- (c) Shifting of ballast.

16-4 GENERAL PROVISIONS:-

- (a) Close watertight doors and hatches.
- (b) Localize flooding by closing necessary valves, bulkheads, fittings and ventilators.
- (c) Shore up bulkheads under strain.
- (d) Pump out flooded compartments.
- (e) Maintain ship on even keel by shifting ballast and fuel oil. If injury is close to waterline, this may raise the hole above the waterline, if damage is not too severe.

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16-5 CLOSING OF WATERTIGHT FITTINGS:-

In the event of a collision, all "X", "Y", and "Z" fittings throughout the ship will be closed and if necessary all the "W" fittings in spaces surrounding the damage will be closed.

The closures will be effected by the Damage Control Party in accordance with the procedure outlined in Chapter 11 - "Watertight Integrity Bill." The closure assignments are indicated in TABLE 16-2 below.

16-6 COLLISION STATIONS:-

(a) Officers

The ship's officers will have stations and duties as shown in TABLE 16-1 below:

TABLE 16-1

COLLISION STATION ASSIGNMENTS

OFFICER	STATION	DUTIES
Commanding Officer	Bridge	Officer of the Deck.
Executive Officer	At Scene	In general charge at scene; Damage Control.
Gunnery Officer	Super. Deck	In charge stand by crew at parades.
Engineering Officer	Engine room & General	Assists in Damage Control.

(b) Crew

The crew will have stations and duties as shown in TABLE 16-2 following:

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TABLE 16-2

COLLISION STATION ASSIGNMENTS

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DIVISION	RATE	STATION	DUTIES
<u>SHIP CONTROL</u>			
SC	QM1c	Pilot House	Steersman.
S	Y2c	Pilot House	Annunciators.
SC	RM1c	Radio Room	Operator.
SC	RT2c	Radio Room	Radio repairs.
SC	RdM2c	Radar Room	Operator.
SC	RdM3c	Radar Room	Operator.
SC	SM2c	Bridge	Visual signals.
SC	*SM3c	Bridge	Records signals, log & notes; Closure Detail Group 9.
SC	RM2c	Bridge	Telephones.
S	SK1c	Bridge	Telephones.
SC	QM3c	Steering Engine Room	Stand by Steering Engine; telephones.
<u>ENGINEERING</u>			
E	CMoMM	Engine Room	In charge & starboard throttle.
E	MoMM1c	Engine Room	Oiler & port throttle.

* All ratings marked with asterisk form the watertight integrity group closure detail. For group closure see TABLE 11-1, Chapter 11, "Watertight Integrity Bill."

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TABLE 16-2 (cont'd.)

COLLISION STATION ASSIGNMENTS

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DIVISION	RATE	STATION	DUTIES
<u>ENGINEERING</u>			
E	*MoMM3c	Engine Room	Ballast pumps. Closure Detail Group 10.
E	*MoMM3c	Engine Room	Ballast pumps. Closure Detail Group 10.
E	EM1c	Engine Room	Distribution board & generators.
E	Flc	Engine Room	Telephones.
<u>DAMAGE CONTROL</u>			
D	CBM	At Scene	Petty Officer in charge.
D	BM1c	At Scene	Provides O.O.D. keys and CO ₂ fire extinguisher.
D	*S1c	At Scene	Provides Handybilly, Closure Detail Group 1.
D	*S2c	At Scene	Provides suction hose, Closure Detail Group 1.
D	*S2c	At Scene	Provides 50' of hose with spanner; Closure Detail Group 7.
D	*S2c	At Scene	Provides mattress and bedding; Closure Detail Group 8.
E	MoMM1c	At Scene	Provides mechanical kit.

* All ratings marked with asterisk form the watertight integrity group closure detail. For group closure see TABLE 11-1, Chapter 11, "Watertight Integrity Bill."

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TABLE 16-2 (cont'd.)

COLLISION STATION ASSIGNMENTS

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DIVISION	RATE	STATION	DUTIES
<u>DAMAGE CONTROL</u>			
E	MoMM2c	At Scene	Sounds all adjacent tanks, reports condition to officer in charge.
E	MoMM2c	At Scene	Provides wedges & plugs.
E	*MoMM2c	At Scene	Provides crow-bar & sledge; Closure Detail Group 5.
E	*MoMM3c	At Scene	Provides submersible pump; Closure Detail Group 3.
E	EM2c	At Scene	Provides electrical kit.
E	*EM3c	At Scene	Provides shores; Closure Detail Group 6.
E	*F1c	At Scene	Provides submersible pump; Closure Detail Group 4.
SC	*RM3c	At Scene	Telephones; Closure Detail Group 2.
<p>* All ratings marked with asterisk form the watertight integrity group closure detail. For group closure see TABLE 11-1, Chapter 11, "Watertight Integrity Bill."</p>			
<u>GUN CREWS</u>			
D	GM2c	Gun Nos. 1, 3 or 5	Gunner.
S	StM2c	Gun Nos. 1, 3 or 5	Range setter & talker.

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TABLE 16-2 (cont'd.)

COLLISION STATION ASSIGNMENTS

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DIVISION	RATE	STATION	DUTIES
<u>GUN CREWS</u>			
E	F2c	Gun Nos. 1, 3 or 5	Loader.
D	Cox	Gun Nos. 2, 4 or 6	Gunner.
S	StMlc	Gun Nos. 2, 4 or 6	Range setter & talker.
E	F2c	Gun Nos. 2, 4 or 6	Loader.
<u>FIRST AID STATION</u>			
S	PhMlc	Battle Dress. Sta.	First aid.
<u>STAND-BY CREW</u>			
D	BM2c	At Parades	Petty officer in charge.
D	Slc	At Parades	As required.
D	Slc	At Parades	As required.
D	Slc	At Parades	As required.
D	S2c	At Parades	As required.
D	S2c	At Parades	As required.
E	Flc	At Parades	As required.

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TABLE 16-2 (cont'd.)

COLLISION STATION ASSIGNMENTS

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DIVISION	RATE	STATION	DUTIES
<u>STAND-BY CREW</u>			
S	SC1c	At Parades	As required.
S	SC3c	At Parades	As required.

16-7 COLLISION AT GENERAL QUARTERS:-

When collision occurs while at GENERAL QUARTERS, the necessary measures will be taken by the REPAIR PARTIES to control damage. The remainder of crew will stay at General Quarters Stations to fight ship.

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