

HIGH VOLTAGE CHARLIE FIRE / AMR #7(2-84-0-E)

(b)6 & 7(c)

From: Damage Control Training Team (DCTT)
To: Commanding Officer, USCGC HEALY (WAGB-20)
Subj: Drill Date: 19AUG05

Used This Drill	Prop / Simulation	Simulated Casualty
X	Smoke machine	White Smoke
X	Strobe Light	Energized Electrical Fire

The following safety issues / simulations will **ALWAYS** be in effect onboard *HEALY*:

- A. Activation of installed CO₂ Flooding System / AFFF flooding system / Salt water flooding system.
- B. Charging of fire hoses in any machinery space.
- C. Discharge of portable fire extinguishers without specific direction from a DCTT/ETT member.
- D. Destructive access or clearance of equipment for simulated DC efforts.
- E. Spraying water on Helo's.
- F. Dumping the Flume tank.

DCTT Mode of training: **Training**

Watch standers level: **Walk Through**

Risk assessment

Number **21**

Green

Amber

Red

DCTT Communications: **Primary** - ICOM Trainer Channel

Secondary - Dial Phone

SAFETIES WALK THROUGH: Completed by ALL DCTT in perspective areas.
Complete ½ hour prior to drill.
Report to DCC **XXX** when walk through is complete.

OBJECTIVES THIS DRILL:

A. MOB-D-1001: Respond to and extinguish a non-main engineering space fire.

- 1) Communications
- 2) Report fire
- 3) Take initial actions
- 4) Order & set fire boundaries
- 5) Order & set smoke boundaries
- 6) Order & complete electrical isolation
- 7) Activate & manage breathing apparatus
- 8) Access the space
- 9) Assess conditions/determine FF tactics
- 11) Fire fighting efforts
- 12) Determine overhaul equipment to be used
- 13) Determine desmoking equipment to be used
- 14) Determine atmospheric tests to be conducted

DCTT Members & Assignments:

Member Name	Assignment	Tasking Sheet
EO	BRIDGE/DCA	1,2,4,5,6,7,13,14
1LT	REPAIR LOCKER LEADER	1,2,4,5,6,7,12,13,14
	INVESTIGATORS	
SUPPO	BOUNDARIES	1,4,5
BMC, DCC	TEAM LEADER	1,7,8,9,11,12,13,14
BMC	OSL	1,7,9,11,12,13,14
EMC	HIGH VOLTAGE TEAM/REPAIR ELECTRICIAN	1,6,7,8,9,11,12
EM1	ECC/P100	1,2,3,6
DCC	TORCH	N/A
HSC	STRETCHER BEARERS/BDS	AS PER MTT DRILL SHEET

(b) 6 & 7 (c)

SCENERIO:

EOW receives a fire alarm for 2-84-0-E AMR # 7. TOW and TOW B/I are sent to investigate. TOW and TOW B/I notice sparks and white smoke coming from the 1P Switchboard (ICTF1 Cabinet) and report class Charlie fire to EOW. EOW notifies OOD and recommends GE with the High Voltage Fire Doctrine in effect. TOW and TOW B/I exit and secure the space until relieved. The TOW B/I will collapse once outside AMR #7 due to smoke inhalation. He will also suffer a compound fracture to his right arm caused by the fall. Once the report is made that the space has been electrically isolated, the fire team will enter with CO2 extinguishers to check for any fires around the 1P Switchboard. The fire team will find no fires around the 1P Switchboard. The High Voltage Team will then enter the space and simulate opening the 1P Switchboard (ICTF1 Cabinet) and extinguish any fires inside the cabinet. They will find residual fires inside the cabinet and extinguish them. They will simulate attaching grounding and shorting cables for overhaul. The drill will end with the request for atmospheric testing.

Training Time Out: A training time out may be called by training team members if a situation arises that requires more time to train than allowed in the timeline. Additionally, training time out may be called if watchstander(s) is performing procedures incorrectly and corrective action and/or on scene training by the training team member will disrupt the timeline. Training time out may be called in the training team loses control of the drill.

Training Time In: Shall be given by the training team leader when situation is corrected or proper training has been completed.

Safety time out: Safety is the primary concern when training. A safety time out may be called by any crewmember or training team member if a watchstander places themselves or equipment in an unsafe environment or condition. In a safety time out the drill will be stopped and corrective action will be taken to correct the situation. The **Commanding Officer** has exclusive authority to restart the drill once he is satisfied that the conditions to run the drill are safe.

XXX, DCC
DCTT Leader

XO____

XXX CAPT
Commanding Officer

Risk Assessment

Evolution: High Voltage Class Charlie Fire in AMR #7 (2-84-0-E)

0- No Risk

10- Max Risk

Planning (Definition, Scope): 3

Supervision (Direct, Level): 3

Crew Selection (Quals): 4

Crew Fitness (Fatigue, Ect.): 2

Environment (Night/Day, Weather, Conflicts): 2

Evolution Complexity (Location, Length): 4

Equipment: 3

Total: 21

Risk Level: LOW

0-25 Low Risk

26-52 Med Risk/ Benefits

53-70 High Risk/ Benefits

FIRE DRILL SCENARIO

ITT TIME COMPARTMENT NUMBER / NOUN NAME AMR (2-84-0-E) / AMR #7

T-0 CLASS OF FIRE: **CHARLIE**

DISCLOSURE METHOD: **STROBE LIGHT AND SMOKE MACHINE**

DCTT: **DCC**

TBD SCBA'S **WILL / WILL NOT** BE ACTIVATED.

POSITIONS ASSIGNED TO ACTIVATE: **ALL**

DISCLOSURE METHOD: **ACTUAL**

DCTT: **ALL**

N/A HOSE TEAM RELIEFS: **N/A**

SCBA CHANGE-OUT STATION (S): **MESSDECK**

DCTT: **N/A**

TBD EGRESS OF AREA: **REQUIRED**

EEBD IS / IS NOT **REQUIRED.**

TRAINER / ACTUAL EEBD/SEED WILL BE USED.

DISCLOSURE METHOD: **N/A**

DCTT: **DCC**

TBD FIRE FIGHTING ENSEMBLE/HV EMSEMBLE:

WILL BE DONNED / WILL NOT BE DONNED / DON THEN DOFF

DCTT: **DCC, BMC, EMC, 1LT**

TBD FIREHOSE

DRY / CHARGED & SECURED AT THE PLUG BY DCTT

DISCLOSURE METHOD:

DCTT: **DCC, BMC**

TBD ELECTRICAL ISOLATION:

SIMULATE / SECURE POWER / EXCEPTION OF 110V

LOCATION OF SOURCE: **1P/2P BUSS TIE**

DISCLOSURE METHOD: **TURN OFF STROBE LIGHT WHEN POWER IS SECURE**

DCTT: **DCC, EM1, EMC**

TBD BOUNDARY HOSES:

DRY / CHARGED & SECURED AT THE PLUG BY DCTT

METHOD OF DISCLOSURE:

DCTT: **SUPPO**

TBD FIRE BOUNDARIES REQUIRED AT:

ABOVE: **GEN 1 (1-80-1-E) & GEN 2 (1-80-2-E) HOT / COLD**

BELOW: **AMR #3 (3-84-0-E) HOT / COLD**

PRI FWD: **84** HOT / COLD PRI AFT: **93** HOT / COLD

SEC FWD: **75** HOT / COLD SEC AFT: **102** HOT / COLD

PORT: **N/A** STBD: **N/A**

METHOD OF DISCLOSURE: **ACTUAL**

DCTT: **EO, 1LT, SUPPO**

TBD SMOKE BOUNDARIES REQUIRED AT:

SAME AS FIRE BOUNDARIES

SMOKE CURTAINS AND BLANKETS REQUIRED: **YES**

METHOD OF DISCLOSURE: **ACTUAL**

DCTT: **EO, 1LT, SUPPO**

TBD SPACE ACCESS:

INITIAL ACCESS: QAWTD 2-93-2 or QAWTD 2-84-2

ALTERNATE ACCESS: QAWTD 2-93-2 or QAWTD 2-84-2

INACCESSIBLE FITTING(S): **N/A**

ACCESS EQUIPMENT **REQUIRED / NOT REQUIRED**

METHOD OF DISCLOSURE: **ACTUAL**

DCTT: **DCC, BMC**

TBD FIRE ATTACK: **IN ACCORDANCE WITH THE HIGH VOLTAGE DOCTRINE**

DIRECT / FOG ATTACK / INDIRECT ATTACK

METHOD OF DISCLOSURE: **ACTUAL**

DCTT: **EMC**

TBD ACTIVE DESMOKING: **REQUIRED / NOT REQUIRED**

EXHAUST FAN: **REQUIRED / NOT REQUIRED** AT ACCESS: _____

ROUTE TO BE USED:

MAKE UP AIR ROUTE:

METHOD OF DISCLOSURE:

DCTT: **N/A**

TBD FIRE CONTAINED/DEENERGIZED:

METHOD OF DISCLOSURE: **STROBE LIGHT TURNED OFF**

DCTT: **DCC**

TBD FIRE OUT:

METHOD OF DISCLOSURE: **VERBAL FROM DCTT**

DCTT: **DCC, EMC**

TBD OVERHAUL OF FIRE: **(CABINET MUST BE GROUNDED/SHORTED FIRST)**

NUMBER OF HOT SPOTS: **ONE**

EQUIPMENT REQUIRED: **GROUNING STRAP, HOT STICK, CO2 EXT.**

METHOD OF DISCLOSURE: **SIMULATE**

DCTT: **EMC**

N/A FIRE FIGHTING WATER ON DECK:

HOW MUCH:

METHOD OF DEWATERING:

METHOD OF DISCLOSURE:

DCTT:

TBD SPACE DESMOKING:

EQUIPMENT: **INSTALLED**

ROUTE:

METHOD OF DISCLOSURE: **ACTUAL**

DCTT: **EO, 1LT, BMC, DCC, EMC**

N/A ATMOSPHERIC TESTING:

O2 % _____ DISCLOSURE: **ACTUAL / SIMULATED**

EXP % _____ DISCLOSURE: **ACTUAL / SIMULATED**

T = _____ PEL DISCLOSURE:

DCTT:

AMPLIFYING INSTRUCTIONS: