

USS DEWERT (FFG-45)

Example of Major Casualty  
Training Scenario for  
Final Evaluation

# TRAINING OBJECTIVES

- To have the ability for the Ship's DCTT to create a tool of the final evaluation battle problem which utilizes casualty props and pictures of damage customized to the ship.
- Example EVENT #005 THREE HIT BATTLE PROBLEM
  - DC Objective 1: MANNING BATTLE STATIONS (MOB-D-3-SF)
  - DC Objective 2: PROPERLY SETTING MATERIAL CONDITION ZEBRA
  - DC Objective 3: CONTAIN, CONTROL AND LIMIT EFFECT OF FIRE AND SMOKE
  - DC Objective 4: CONTAIN, CONTROL AND LIMIT EFFECTS OF FLOODING

# TRAINING OBJECTIVES

- OBSERVE R AND A EVENT #009
  - DC Event 9  
RESPOND TO OFFSHIP EMERGENGIES (R AND A)
  - DC Event 0011C  
76MM SHRAPNEL DAMAGE (CASUALTY POWER DRILL) (**RIG  
AND ENERGIZE**)

# TRAINING OBJECTIVES

- DC Event #036
  - CLASS “C” FIRE IN NR 1 SWITCHBOARD  
(NON RECOVERABLE)
- DC Event #051C
  - CLASS “C” FIRE IN SCC LOSS OF  
STEERING (30 MINUTE RECOVER TIME)
- DC Event #055
  - MASS CONFLAG

# MISSILE IMPACT FORWARD



Missile impact port side frame 50 at water line, forward battery disabled, extensive damage to hull and electrical systems. Shock damage to main propulsion and auxiliary systems. Immediate deaths in operations berthing and FWD IC shop from weapons impact. 20 casualties from fire and flash burns, smoke inhalation, debris impact and shrapnel. Progressive flooding, fire and vital systems damage throughout the forward end of the ship.

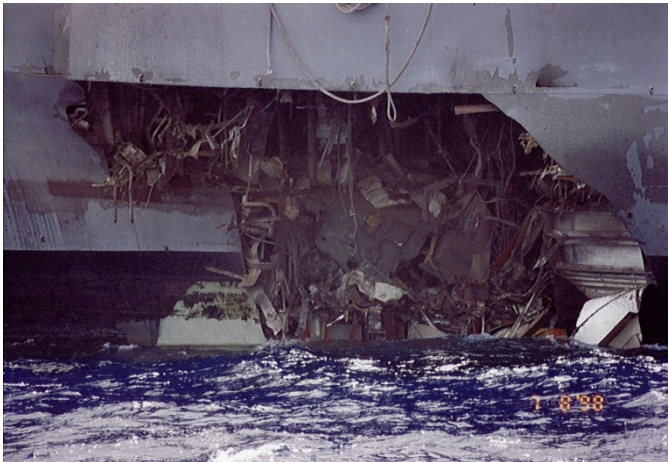
# Ship suffers significant blast and fire damage



Shock of impact knocks out vital electrical and mechanical systems



Fire and smoke spread through out forward end of the ship.



25 foot by 30 ft hull opening



Several compartments in immediate area of impact demolished including IC shop and Operations berthing

# RUPTURED FIREMAIN 2-64-0-L



Shock cracks fire-main system from riser at frame 70 port side effectively disabling port side fire-main forward of frame 70.



# SAGGING OVERHEAD 3-60-1-L



Extensive structural damage forward and below forward battery prevents operations of weapons systems. Ships second and main deck requiring shoring up prior to restoration of forward weapons system.



# COMPARTMENT DEMOLISHED

## 2-55-2-L



Operations berthing is demolished leaving 15 to 20 dead or missing crew members. Access to forward IC shop is block with the possibility of survivors being trapped behind compartment debris.

# WARPPED BULKHEAD



Several compartments suffer warped and weakened bulkheads that must be shored up to prevent structural failure that may allow additional progressive flooding.

## SPRUNG DOOR QAWTD 2-100-1



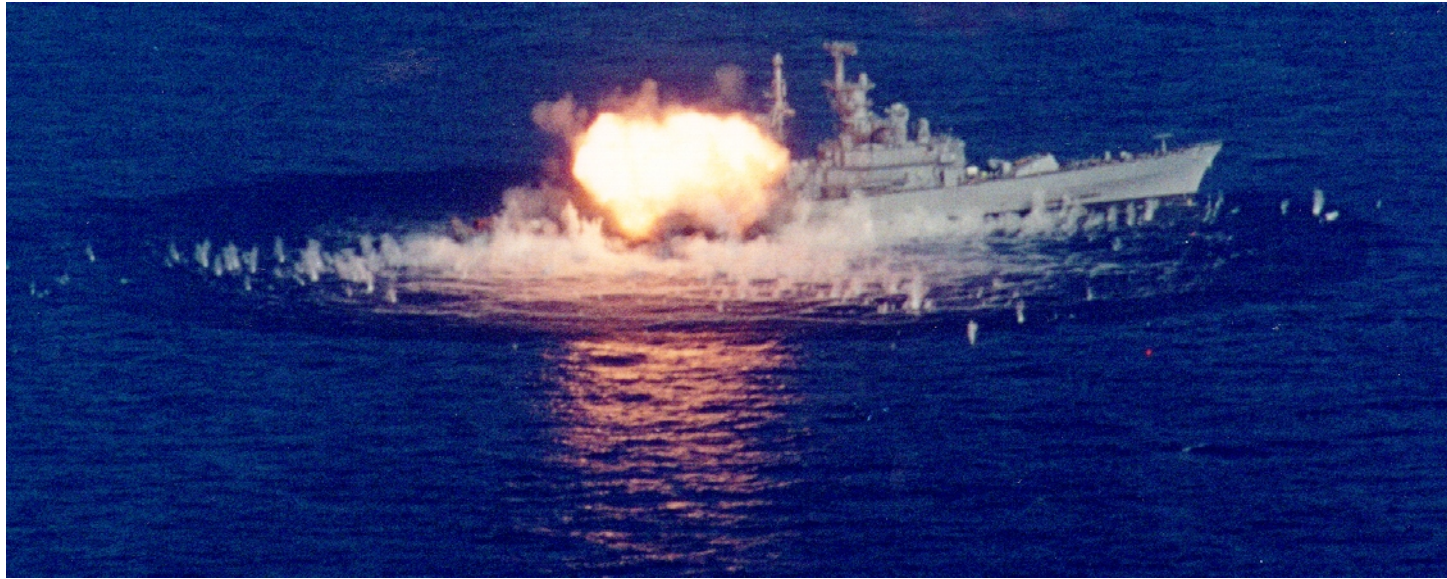
Sprung doors and hatches prevent zebra  
From being set and allow the spread  
of flooding, fire and smoke

## JAMMED DOOR 3-38-1



Jammed doors and hatches trap  
crew members preventing key  
battle Stations from being manned  
such as sick bay.

## UNKNOWN NEAR MISS EXPLOSION AFT STARBOARD SIDE OF THE SHIP NEAR MACHNERY SPACE



Ship suffers extensive shock damage, fragmentation damage and small Alpha and Charlie fires from second explosion off the starboard side stern of the ship.

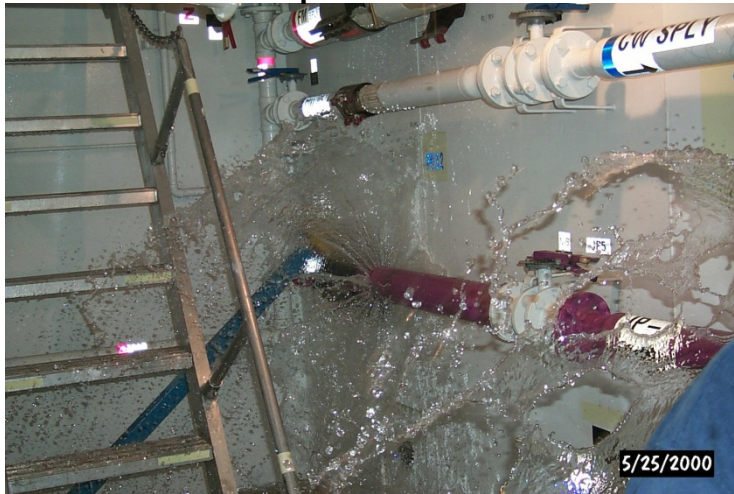




Explosion knocks out power, damage control teams have to work in dark, smoke filled spaces.



Fragmentation causes damage to electrical Wiring and circuit boxes causing numerous Class Charlie fires and requiring casualty power to be rigged.



Shock causes multiple fluid system Failures shutting down vital combat and engineering systems



As ship settles in water fragmentation holes allow flooding in new spaces.

# HOLE 2-292-2-Q HT SHOP



Fragmentation from the near miss aft explosion causes holes just above the water in several compartments. This damage must be rapidly found by investigators and repaired by Damage Control teams. If not as the ship settles deeper in the water from flooding in the forward part of the ship the fragmentation holes will allow water to enter the hull.



# HOLE IN CCS 2-292-01-C



Minor fragmentation holes place vital spaces such as the central control station at risk from flooding or smoke.

# CONTROLLER FIRE



Charlie fires occurs in vital electrical controllers casualty power must be rigged around damaged controllers to restore power to the ships aft vital equipment.

# RUPTURED FIREMAIN 5-292-0-E



Ruptured fire-mains in auxiliary spaces aft must be repaired rapidly to increase the ships fire-main pressure and enable fire fighters to combat fires in the ships forward spaces caused by the missile hit. Sometimes personnel response will be limited because of the effects of working cold water.

## PANTING BLK HEAD FR. 292



## HOT SPOT WTD



Repair parties must locate, set and maintain fire and flooding boundaries surrounding compartments flooding or on fire.

# SAGGING OVERHEAD 3-368-01-E



Shock causes several compartments aft to suffer structural damage from the Aft near miss explosion.

The ship comes under long distance 76MM cannon fire  
and suffers one hit





One 76MM shell explodes and causes fire damage to ships radio.



# TRAINING AIDS

- Large format silk screen pics of Damage
- Training flag kits
- Sounds of Damage
- Smokes Machine
- Flame Machine

Large (36"x84") silk screen pics depict damage in spaces





# FLAGS



Shipboard training flag set: Bravo, Reported, Engaged and none

# The Sounds Of Damage



**DAMAGE CONTROL'S**

**SOUNDS OF DAMAGE**

# Smoke Machines





# FLAME MACHINE

