



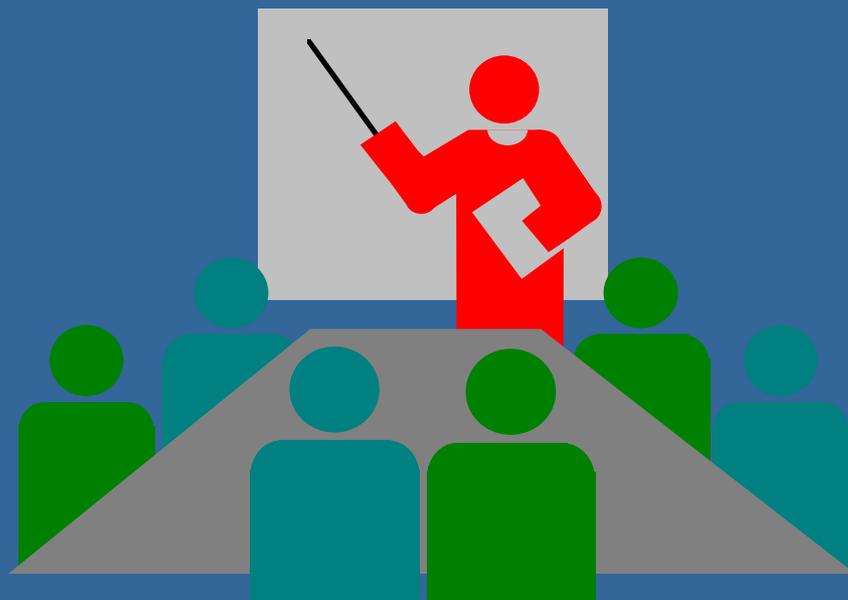
# **Winter Recreation/ Off-Duty Safety**

# How to Prevent Mishaps



# Risk Management - Five Step Process

- Hazard Identification
- Assess Hazards
- Make Risk Decisions
- Implement Controls
- Supervise/Evaluate



# Scenario

In October Navy Family Housing occupants experienced first really cold day. Occupants shifted from a/c to heating system. The next day at 0750, wife's co-worker became concerned when she hadn't arrived at work. Co-worker made several unanswered calls and at 0900, drove to residence. There was no response to knocks despite both cars being in the driveway. At 1200, co-worker called base security, who entered residence with a key. A Sailor and his four dependents died from Carbon Monoxide poisoning.



# 1. Hazard Identification

## *HAZARDS*

- Missing CO Alarm
- Faulty Furnace
- Closed Fresh Air Make-up Vents
- Dirty/Clogged Filters
- Air Register Obstructed
- Blocked Chimney Flue
- Fuel Space Heaters



# 2. Assess Hazards

## *HAZARDS*

- Faulty Furnace
- Fresh Make-up Air Vent Closed
- Dirty/Clogged Air Filters
- Return Air Vent Obstructed
- Blocked Chimney Flue
- Defective Fuel Space Heaters
- Missing CO Alarm

## *SEVERITY/PROBABILITY*

Catastrophic/Likely to Occur

Catastrophic/Likely to Occur

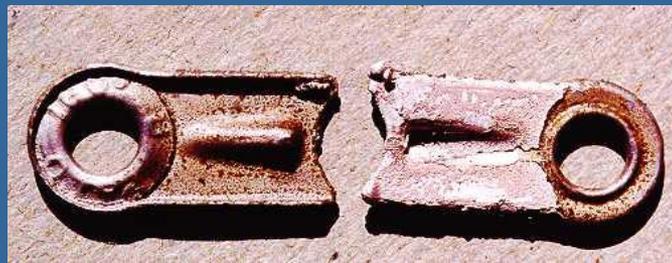
Marginal/May Occur

Marginal/May Occur

Catastrophic/Likely to Occur

Catastrophic/Likely to Occur

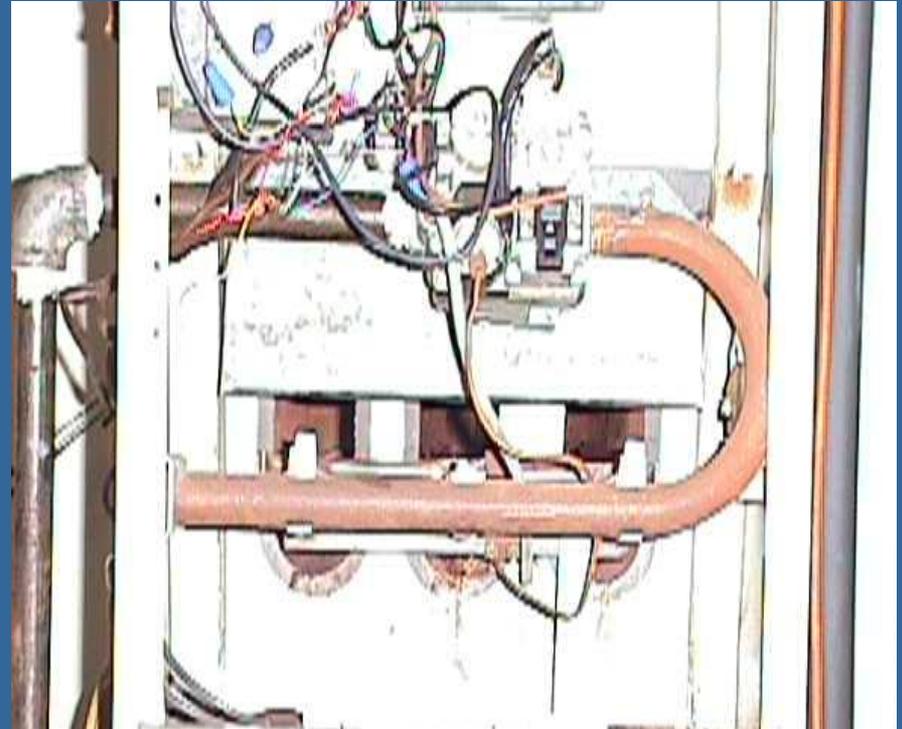
Catastrophic/Likely to Occur



# 3. Make Risk Decisions

## HAZARDS

- Missing CO Alarm
- Fresh Make-up Air Vent Closed
- Faulty Furnace
- Blocked Chimney Flue
- Defective Fuel Space Heaters
- Dirty/Clogged Air Filters
- Return Air Vent Obstructed



# 4. Implement Controls

## HAZARDS

- Missing CO Alarm
- Fresh Make-up Air Vent Closed
- Faulty Furnace
- Blocked Chimney Flue
- Fuel Space Heaters
- Dirty/Clogged Air Filters
- Return Air Vent    Obstructed

## CONTROLS

- Install Alarm
- Establish Appropriate PM Schedule - QA Work
- Disallow Use In Quarters
- Change Filters Quarterly (Monthly For Pets)
- Keep Furniture Away from vents



# 5. Supervise

- Housing inspector verifies alarm operation during occupant check-in/check-out – ensure return air duct not blocked - inform occupants on their responsibility to change air filters
- Implement policy to ensure that CO awareness is publicized prior to and during each heating system
- Annual fire department inspection of housing units to include proper maintenance and operation of CO alarms



# Eliminating Falls Around the Home

- Install light in stairways.
- Use non-skid backing on rugs.
- Remove trip hazards off stairways.
- Use ladders not chairs for reaching objects.



# Fire Safety In The Home

- Practice exit drills.
- Be attentive when cooking.
- Keep matches and lighters out of the reach of children.
- Don't overload electrical outlets.



# Fireplace Safety

- Get a professional check.
- Do not use flammable liquids on the fire.
- Keep the damper open.
- Use a screen.
- Make sure smoke and CO alarms are working.



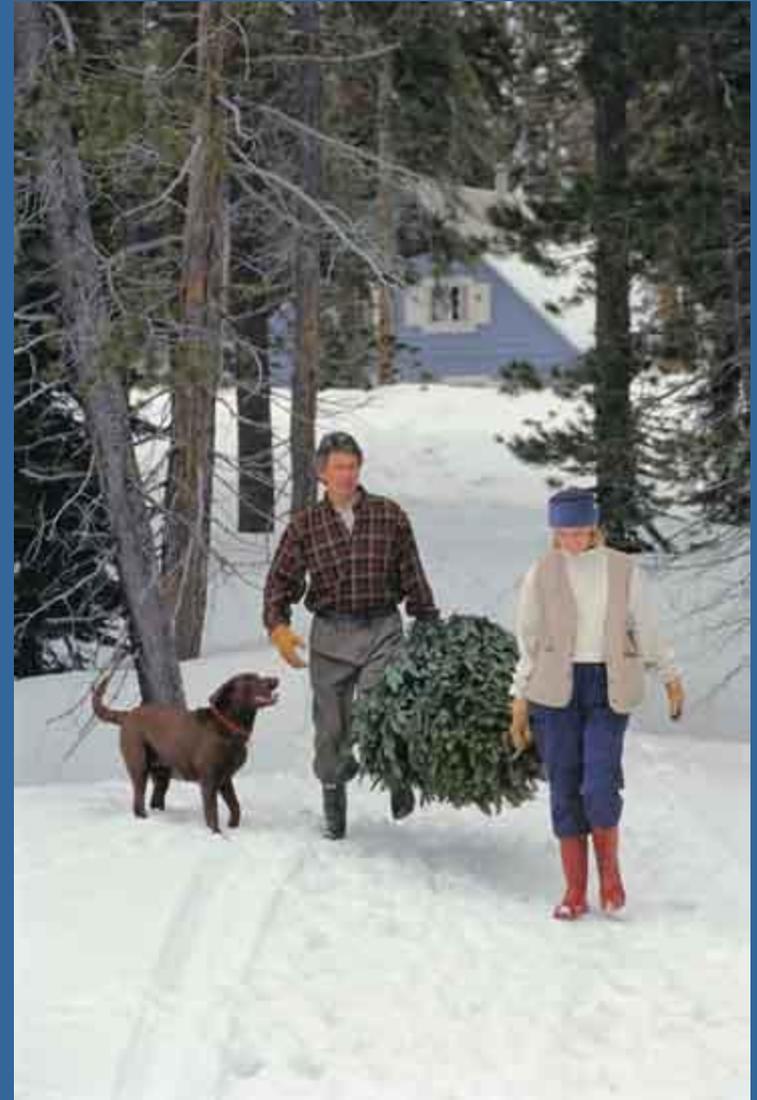
# Kerosene Heater and Coal Stove Safety

- Check with your housing office.
- Follow the owner's manual guidelines.
- Use fuel appliances in well-ventilated areas.



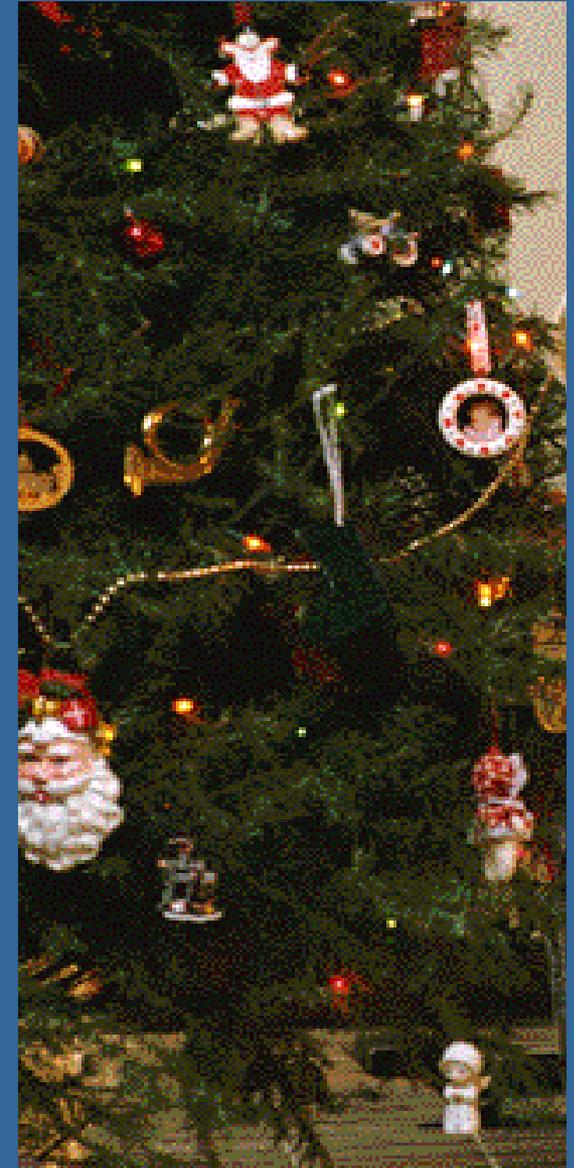
# Christmas Tree Safety

- Check for freshness.
- Place it away from fireplaces and radiators.
- Before mounting, cut its base so it can absorb water.
- Check the water level daily.



# Decorations Need Extra Care

- Use UL-approved lights only.
- Dispose of frayed wires and broken bulbs.
- Use flame-resistant trimmings.
- Turn off lights before going to bed or leaving the house.



# Keep The Magic In Holiday Parties

- Serve snacks and non-alcoholic drinks.
- Provide large ashtrays for smokers to avoid overflow.
- Provide rides home.



# Hypothermia Kills

Head

Lower  
Torso

Under  
Arms



# Snow Skiing Safety

- Get proper training.
- Wear safety equipment.
- Wear layers of clothing.
- Follow ski regulations.
- Stay on marked trails.
- Ski within your limits.
- Don't drink and ski.



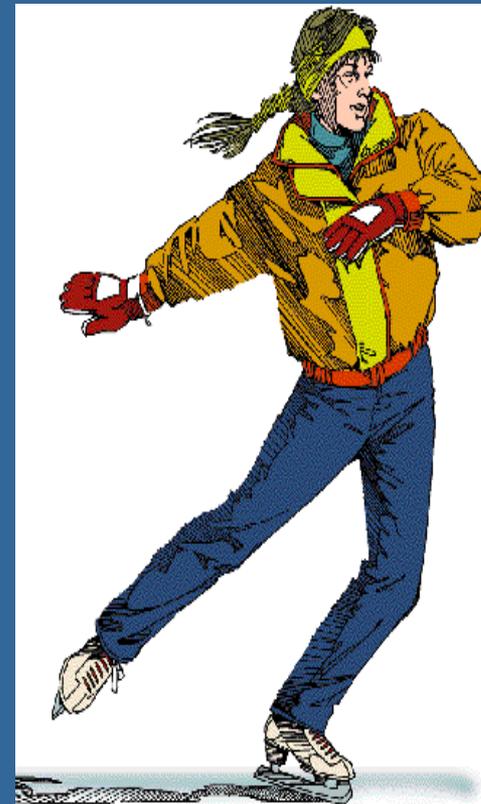
# Snowmobile Safety

- Get proper training.
- Follow owners manual guidelines.
- Wear safety helmet with chin strap.
- Wear eye protection.
- Wear thin layers of clothing, boots, and gloves,
- Do not consume alcohol.



# Skating On Ice Can Be Fatal

- Skate at commercial rinks, if possible.
- Use supervised areas with ice at least four inches thick.
- Ensure rescue ropes and ladders are available.
- Skate with a friend.



# Clearing Snow Safely

- Use a snow shovel with a long handle.
- Lift with leg muscles, not the back.
- Know your limits.
- Do not smoke or drink alcohol.

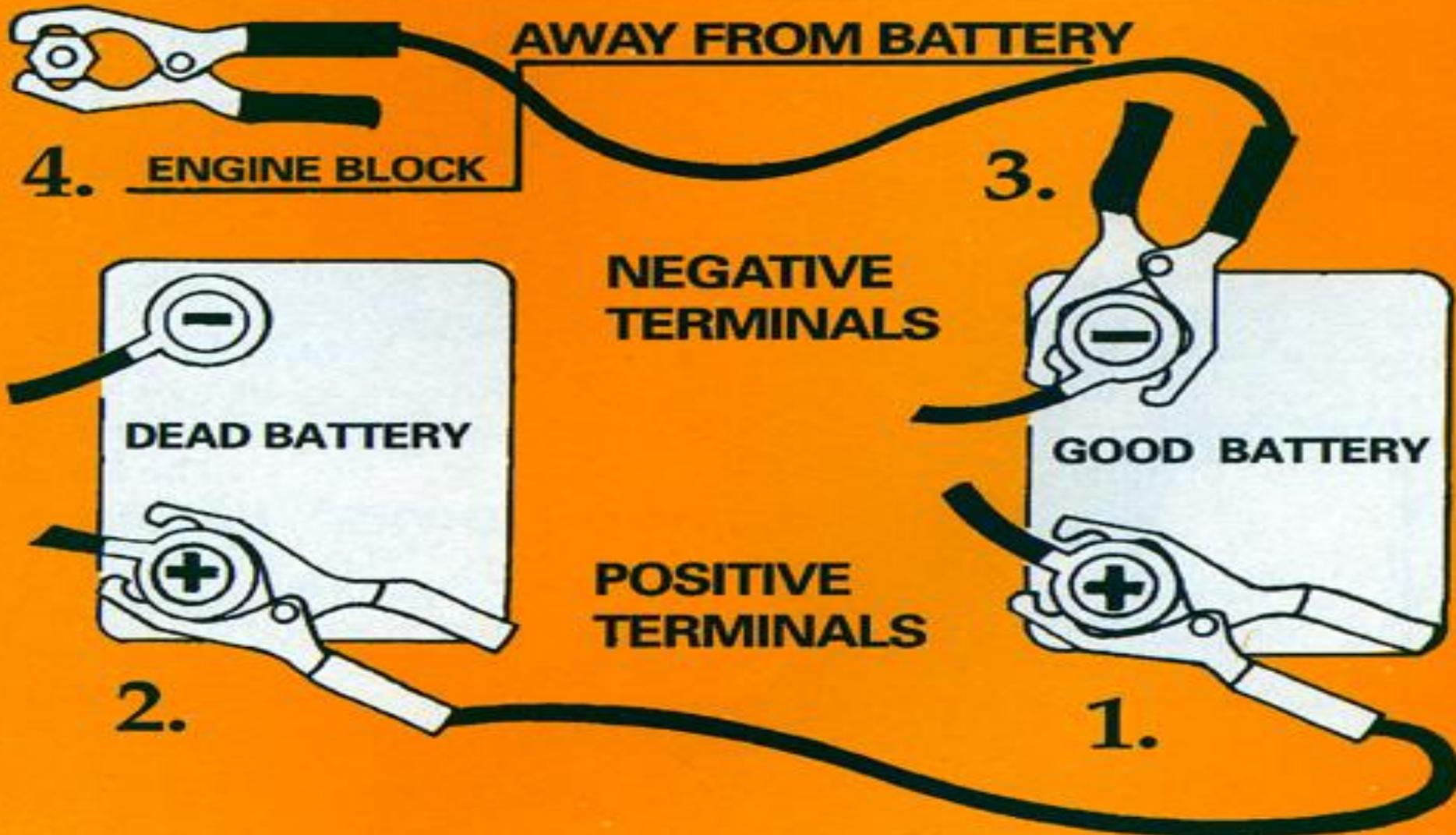


# Chainsaw Safety

- Follow manufacturer's recommendations.
- Get proper training.
- Wear the appropriate protective equipment.
- Ensure saw has anti-kickback devices.
- Cut between knee and waist.
- Observe safe refueling procedures.



# How To Jump-Start A Vehicle



# Have A Fun and Safe Winter Holiday!



**Installation Safety Office  
DSN 753-5580  
USAG Humphreys**