



CAUSES OF ELECTRICAL ACCIDENTS

- Top 5 Causes of Electrical Accidents
 - Cords and Plugs.
 - Misuse of Electrical Appliances
 - Faulty Wiring System.
 - Wet Areas/GFCI.
 - Ignoring Safety Precautions.





CAUSES OF ELECTRICAL ACCIDENTS

- **BE SAFE**

- **B**urns
- **E**lectrocution
- **S**hock
- **A**rc flash/arc blast
- **F**ire
- **E**xplosions

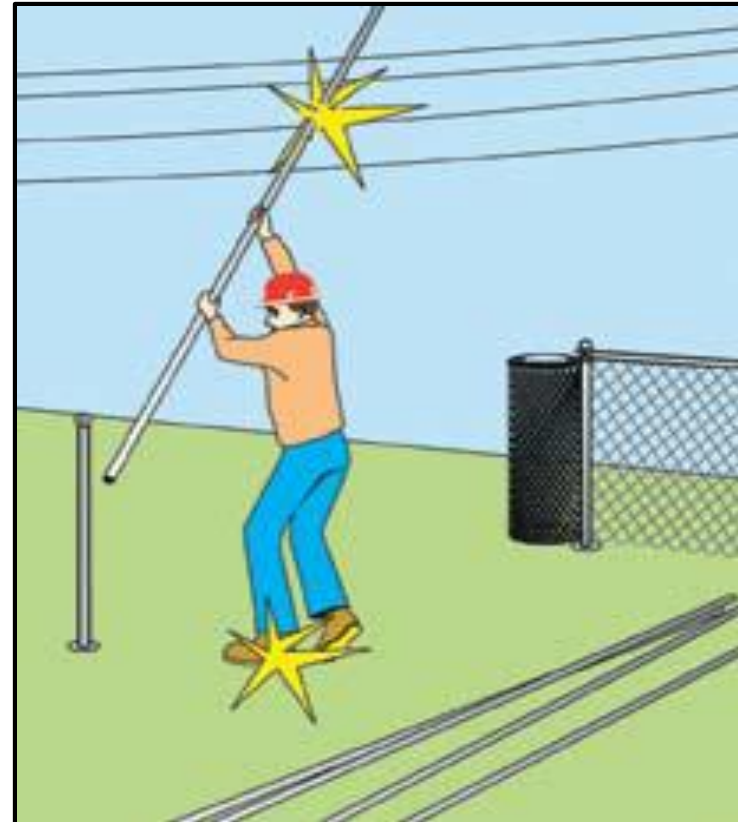




CAUSES OF ELECTRICAL ACCIDENTS

Contact with overhead power lines:

- Overhead and buried power lines carry extremely high voltage
- **Risks**
 - Electrocution (main risk)
 - Burns and falls

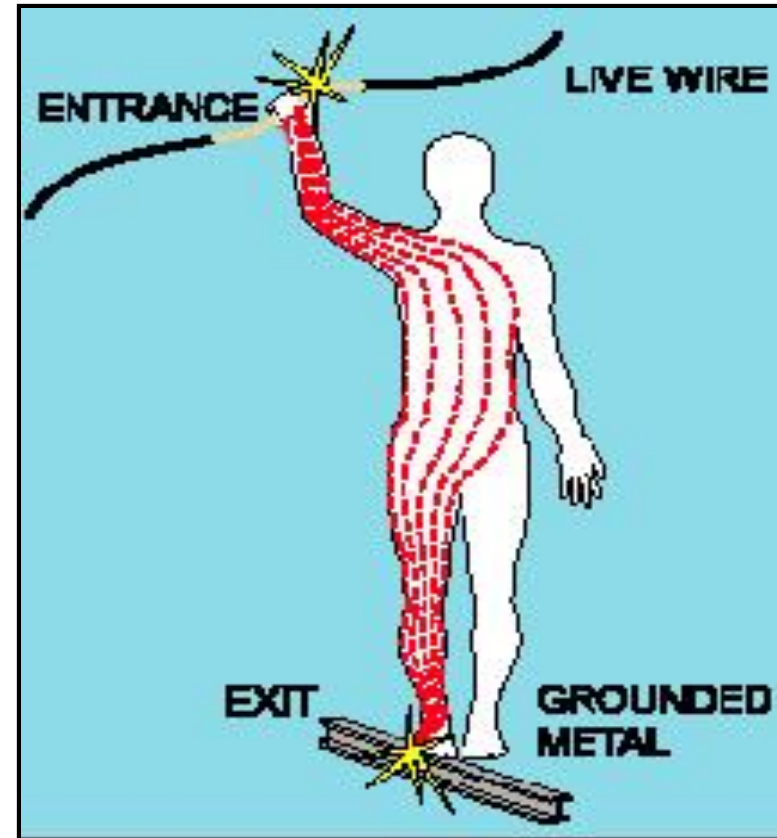




CAUSES OF ELECTRICAL ACCIDENTS

Contact with energized sources:

- **Live parts**
 - The major hazards
 - Electrical shock and burns
 - Electrical shock occurs when the body becomes part of the electric circuit





CAUSES OF ELECTRICAL ACCIDENTS

- **Damaged Or Bare Wires:**
- Fault current may travel through a body, causing electrical burns or death, if
 - Power supply is not grounded
 - Path has been broken
 - There are live parts or bare wires
- Extreme conditions and rough treatment can change electrical equipment from safe to hazardous





ELECTRICAL SAFETY

- Never carry a tool by the cord.
- Never yank the cord to disconnect it.
- Keep cords away from heat, oil, and sharp edges.
- Disconnect when not in use and when changing accessories such as blades and bits.

