

## ELECTRICAL SUB-STATION(S)

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An Electrical substation is a fundamental element of the generation, transmission, and distribution of electricity. There are different types of substations such as:

- Grid (400Kv)
- Primary (66-132Kv)
- Secondary (33-66Kv)
- Distribution (11-33Kv)

Before entry into any Electrical Sub-Station ensure it is safe to do so by undertaking the pre-entry inspection taking into account 'what you can see, smell and hear', make contact with Control (dependant on type of sub-station).

**Remember: Look - Listen - Smell**

- All persons '**SHALL**' be trained, have sufficient technical knowledge and be authorised in writing for the **ENTRY** into an Electrical Substation.
- All Persons '**SHALL**' Work in accordance with the Telecom Division and / or client Distribution Safety Rules and Operational Procedures.
- **ALWAYS** wear the appropriate Personal Protective Equipment:
  - Safety Glasses
  - Hard Hat
  - Flame Retardant / Arc Resistant / Anti-Static Overalls
  - Hi Visibility Jacket / Vest
  - Gloves
  - Safety Boots (rigger boots prohibited from use)
  - if operating or switching and linking then a Full Face Visor and insulated gloves appropriate for the voltage you will be operating.



Prior to entry to any sub-station a pre visual inspection '**SHALL**' be undertaken around the perimeter looking for any potential hazards such as:

- Signs of vandalism or damage to fencing or equipment
- Signs of used syringes and drug paraphernalia
- Missing earthing (earth depletion)
- Signs of electrical distress in any equipment (heat, excessive vibration, smoke, Fire etc.)

**IF UNSURE STOP AND SEEK ADVICE  
FROM YOUR LINE MANAGER**