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)

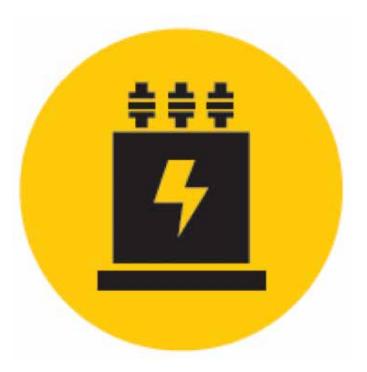
Before entry into any Electrical Sub-Station ensure it is safe to do so by undertaking the preentry inspection taking into account 'what you can see, smell and hear', make contact with Control (dependant on type of sub-station).

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.)



FROM YOUR LINE MANAGER