

## Safety Precautions When Working on Fixed Wire Electrical Equipment

### Objective

To, identify safety precautions that may need to be implemented when isolating fixed wired electrical equipment for the purpose of carrying out electrical work.

### Method

When it is necessary to isolate electrical equipment for the purpose of carrying out electrical work it is necessary to ensure the safety of all involved. This safety consideration also includes persons carrying out non-electrical work on isolated electrical equipment. The following safe precautions should be considered. Others may be relevant depending on the work situation.

- ensure the correct circuit protective device is being used to isolate supply
- ensure all sources of supply are isolated – (Normal, Generator, Solar and UPS)
- carry out electrical tests to prove the equipment has been isolated before the work commences
- lock and tag isolation point
- protect any live parts in the vicinity of the work site so that they cannot be touched
- erect barriers to protect others from work site dangers
- conduct electrical tests following completion of electrical work
- prove equipment operates satisfactorily.

### Referenced Practices:

- BEMSPRAC003 Before Use Inspection of Electrical Test Equipment
- BEMSPRAC006 Lock Out and Tag Out Objective
- BEMSPRAC007 Risk Assessment Testing and Fault Finding
- BEMSPRAC010 Testing an Electrical Installation