
DEFINITIONS

For the purpose of this Fieldworkers Handbook, the following definitions shall apply:

1. Access Authority

Any form of authorisation which allows access to, and work upon, electrical apparatus, work in the vicinity of electrical apparatus or plant, and testing of electrical apparatus.

2. Alive (also Energised, Live)

Having a potential difference between conductors, or to earth, or to non-electrical parts.

3. Approved

Equipment, person or procedure, having an Organisation's endorsement for a specified function.

4. Approved Examiner

A person who has the permission of Alinta Asset Management, as appropriate for the duty concerned.

5. Approved Training Course

A course of instruction and assessment by an authorised trainer that meets the requirements of the 'Training Standards of Electrical Safety in the Distribution Businesses' and as approved by the individual organisation.

6. Authorised

A person with technical knowledge or sufficient experience who has the permission in writing of an appropriate officer, or has the delegated authority to act on behalf of an organisation, for the duty concerned.

7. Authorised Applicant

A person tested against an approved training standard, who holds an Authority To Make Application for specified types of work authorities.

8. Authorised Recipient

A person trained against an approved training standard, who has passed a test conducted by an authorised officer, and has signed onto the Authority To Receive Electrical Access Permit.

9. Authorised Tester

A person tested against an approved training standard, who is an Authorised Recipient, and has also been authorised to receive Sanction For Testing.

10. Bonded

Connected together in such a manner as to ensure that all bonded parts are maintained at the same potential.

11. Conductors

Those parts of electrical apparatus normally alive and also the neutral connections of such electrical apparatus.

12. Dead

Isolated and at earth potential.

13. De-energised

Disconnected from all sources of supply, but not necessarily isolated, earthed or out of commission.

14. Discharged

Having been connected to the general mass of earth in such a manner as to remove any residual electrical energy in a conductor or conducting object.

15. Earthed

Connected to the general mass of earth in such a manner to ensure and maintain an effective dissipation of electrical energy.

16. Earthing Device

An approved device used for the earthing of conductors.

17. Electrical Access Permit

A form of authorisation which allows access to, and work upon, electrical apparatus.

18. Electrical Apparatus

Any electrical equipment, including overhead lines and underground cables, the conductors of which are alive or can be made alive.

19. Electrical Operator

A person tested against an approved training standard who has written authorisation to carry out switching operations on high voltage electrical apparatus.

20. Glove and Barrier Work

Glove and Barrier Work is work at high voltage, up to and including 33kV, using established practices in which an Authorised Person is fully insulated from earth and other phases using Approved and tested personal protective equipment and insulating devices.

21. High Voltage Customer

Any consumer of electricity directly connected at high voltage to the transmission or distribution networks.

22. High Voltage Electrical Apparatus

Electrical apparatus which is required to operate at more than 1000 volts alternating current nominal or 1500 volts direct current nominal. This definition shall not include the secondary wiring of instrument transformers or control devices, which may operate on occasions above 1000 volts.

23. Instructed

Persons adequately advised or supervised by Authorised Persons to enable them to avoid the dangers which electricity may cause.

24. Isolated

The state of electrical apparatus when disconnected from all sources of supply by breaks of a length appropriate to the voltage and the insulating medium.

25. Isolator

A device which, for reasons of safety, provides in the open position, breaks of a length appropriate to the voltage and the insulating medium.

26. Limits of Approach

The minimum distances which shall apply to persons, vehicles, mobile plant and elevating work platforms approaching exposed live conductors.

27. Live Line Stick

A stick specifically designed, approved and tested for work on live high voltage electrical apparatus.

28. Live Line Work

All work involving access to high voltage components of electrical apparatus capable of being energised, without implementing the established practice of isolating, proving de-energised, and earthing at the worksite.

29. Low Voltage

All voltages not exceeding 1000 volts alternating current or 1500 volts direct current.

30. Mechanical Plant

Equipment and plant of a non-electrical nature which may be a separate unit or coupled with electrical apparatus. Throughout this Code of Practice, the term 'plant' shall mean 'mechanical plant'.

31. Mobile Plant

Cranes, elevating work platforms, tip trucks or similar plant, any equipment fitted with a jib or boom and any device capable of raising or lowering a load.

Mobile plant can only be considered as a vehicle when in the normal travelling mode and not in the working mode when determining limits of approach.

32. On Site Earth

An approved earthing device which is attached to the structure that a work party is working upon and to electrical apparatus under access permit.

33. Operating Authority

An appropriate representative of an organisation, who is responsible for the control of the high voltage electrical apparatus concerned.

34. Operating Stick

A stick specifically designed, approved and tested for carrying out operations on live electrical apparatus.

35. Operational Earth

An approved earthing device attached by or under the direction of an electrical operator to high voltage or low voltage apparatus.

36. Ordinary (Persons)

Persons having inadequate training or experience to enable them to avoid the dangers which electricity may cause.

37. Recipient

A person who has signed onto an Electrical Access Permit.

38. Recipient in Charge

An Authorised Recipient to whom an Electrical Access Authority has been issued and who is in charge of all Recipients signed onto that authority.

39. Safe Approach Distances

Means the minimum distance that shall be maintained by a person, vehicle or mobile plant (including its load, controlling ropes and any other accessories) when approaching electrical apparatus other than for work in accordance with an access authority.

40. Safety Observer

A person competent for the task they are observing and warning against unsafe approach to electrical apparatus.

41. Sanction for Testing

A form of authorisation to allow energisation of electrical apparatus for testing purposes.

42. Shall

Throughout this manual the word 'shall' is to be interpreted as mandatory.

43. Should

Throughout this manual the word 'should' is used in an advisory or discretionary sense.

44. Station

Any location, in which high voltage supply is generated, converted, controlled or transformed, or in which any similar electrical apparatus or plant is installed.

45. Switch

A device capable of making, carrying and breaking currents under normal circuit conditions. It is also capable, in the open position, of satisfying the isolating requirement for an isolator.

46. Vehicle

A truck (non-tipping), car, utility, or other general purpose conveyance used for the carriage of persons or goods (see also Mobile Plant).