

50. Electrical work, supervision of

(1a) In this regulation,

direct supervision means supervision where, to the extent reasonably practicable, a supervising electrical worker remains on the same work site as the apprentice, is able to converse easily with him/her, can oversee and verify the electrical work that the electrical work being performed by the person under training to ensure it is being carried out correctly and safely.

general supervision means supervision where a supervising electrical worker, after paying due regard to the trainee's work history, his or her competence as assessed through on-the-job performance, work site conditions and the scope and complexity of the electrical work to be carried out, may, after the initial site attendance, attend the work site at regular intervals to verify the work is being correctly performed and in a safe manner. The supervising electrical worker must also attend site on completion of the electrical work to verify the work undertaken by the trainee.

- (1) Subject to subregulation (2), for the purposes of preventing danger to life and property all electrical work carried out shall be effectively supervised.
- (2) Electrical work is not required to be supervised if the person carrying out the electrical work is authorised by a licence or permit to carry out the electrical work in question without supervision or if the person carrying out the electrical work is not required under these regulations to be authorised by a licence or permit to carry it out.
- (3) In order to ensure that subregulation (1) is complied with, a person employing an electrical worker —
 - (a) shall ensure that supervision is carried out by a person who is authorised by a licence or permit to carry out the electrical work in question without supervision (the **supervising electrical worker**); and
 - (b) shall consider the kind of electrical work to be undertaken especially ~~[whether or not live wires or live electrical equipment are, or is, or, are or is likely to be involved, in the electrical work or in the area in which electrical work is being carried out]~~ if the electrical work will be on or near electrical equipment or wiring that is normally energised or could be energised; and
 - (c) shall have regard to the level of competence of the persons being supervised or to be supervised; and
 - (d) if the persons being supervised are apprentices or are undergoing training and ~~[live wires or live electrical equipment are, or is, or, are or is likely to be involved, in the electrical work or in the area in which electrical work is being carried out]~~ if the electrical work will be carried out on or near electrical equipment or wiring that is normally energised or could be energised, shall ensure, as far as is reasonably

practicable, that the supervising electrical worker is able to be in close proximity to those persons and the electrical work being carried out so that they are in sight of, and, are able to communicate directly with, each other; and

- (e) shall ensure the number of persons being supervised by the supervising electrical worker -

- (i) is such that the requirements of paragraphs (c) and (d) are capable of being complied with; and

- (ii) if the persons being supervised are apprentices, shall ensure the number of persons being supervised by the supervising electrical worker does not exceed three at any one time and the supervising electrical worker is working at the same site as the apprentices; and

- (f) shall have regard to the location and general circumstances in which the electrical work is being carried out; and

- (g) shall ensure that all the persons involved in electrical work being undertaken are properly equipped in respect of safety equipment that is necessary in relation to the electrical work being carried out including, but not limited to, safety glasses, non-flammable clothing and arc-flash protection equipment, as appropriate to that type of work.

- (h) if the persons being supervised are apprentices and are in the first or second year of their apprenticeships, shall ensure the apprentices do not perform any electrical work unless under direct supervision of the supervising electrical worker;

- (i) if the persons being supervised are apprentices and are in the third, fourth or final year of their apprenticeships, shall ensure the competencies of the apprentices are assessed prior to general supervision being administered and the supervising electrical worker attends site on a regular basis to monitor the apprentice.;

- (4) In order to ensure that subregulation (1) is complied with, a supervising electrical worker —

- (a) shall consider the kind of electrical work being undertaken especially ~~[whether or not live wires or live electrical equipment are, or is, or, are or is likely to be involved, in the electrical work or in the area in which electrical work is being carried out]~~ if the electrical work will be on or near electrical equipment or wiring that is normally energised or could be energised;

- (b) shall have regard to the level of competence of the persons being supervised or to be supervised;

- (c) if the persons being supervised are apprentices or are undergoing training and ~~[live wires or live electrical equipment are, or is, or, are or is likely to be involved, in the electrical work or in the area in which electrical work is being carried out]~~ if the electrical work will be carried out on or near electrical equipment or wiring that is normally energised or could be energised, shall ensure, as far as is reasonably

practicable, that the supervising electrical worker is in close proximity to those persons and the electrical work being carried out so that they are in sight of, and, are able to communicate directly with, each other;

- (d) shall have regard to the location and general circumstances in which the electrical work is being carried out;
- (e) shall ensure that all persons involved in the electrical work being undertaken are —
 - (i) properly equipped in respect of safety equipment that is necessary in relation to the electrical work being carried out; and
 - (ii) properly using the safety equipment that is necessary in relation to the electrical work being carried out.

(f) must ensure that –

(i) all wires or electrical equipment that persons being supervised will, or are likely to, come in contact with in carrying out the electrical work are, or is, isolated from all possible sources of electricity by means of an isolation device or devices; and

(ii) the isolation device or devices is, or are, identified both visually and by test as being the device or devices necessary and sufficient to provide electrical isolation and is, or are, secured in the open position, or zero energy state, in such manner as to prevent the isolated or electrical equipment (as the case may be) from becoming energised; and

(iii) when the isolation device or devices has, or have, been locked a danger tag is attached to it or them, to indicate that their status must not be altered; and

(iv) the isolated wires or electrical equipment (as the case may be) are tested to confirm they are not energised;

(v) the isolated wires or electrical equipment (as the case may be) are, where appropriate, bonded to earth; and

(vi) if the persons being supervised are apprentices and are in the first or second year of their apprenticeships, the apprentices do not perform any electrical work unless under his/her direct supervision

(vii) if the persons being supervised are apprentices in the third, fourth or final year of their apprenticeships, he/she assesses the competencies of the apprentices prior to administering general supervision and he/she attends site on a regular basis to monitor the apprentice he/she is supervising;

(5A) A holder of an electrician's training licence in the 4th or final year of training may carry out fault finding and testing on energised wiring and electrical equipment under direct supervision from, and in close proximity to, a supervising electrical worker.

(5) An electrical worker who is an apprentice or who is undergoing a course of training may refuse to carry out any electrical work that, having regard to the

supervision under which it is being carried out, the electrical worker reasonably considers to be electrical work —

- (a) that he or she is not competent to carry out; or
- (b) that would, or would likely, endanger him or her or another person.

50AA. Employer to be informed of experience etc. of apprentice etc.

(1) In this regulation —

electrical worker in training means an electrical worker who is an apprentice or who is undergoing a course of training;

person employing an electrical worker in training includes a person who, by arrangement with the employer of an electrical worker in training, is making use of the services of the electrical worker, whether or not the arrangement is principally for the purpose of training the electrical worker;

supervising electrical worker has the meaning given in regulation 50(3).

- (2) A person employing an electrical worker in training is to ensure that, before the electrical worker carries out any electrical work, the person and the supervising electrical worker are informed of the experience and level of competence of the electrical worker in training in carrying out electrical work.
- (3) A supervising electrical worker is to ensure that, before an electrical worker in training carries out any electrical work under his or her supervision, the supervising electrical worker is informed of the experience and level of competence of the electrical worker in training in carrying out electrical work.

50AB. Employer to be satisfied former apprentice has successfully completed training

A person (the ***employer***) is not to employ to carry out electrical work another person (the ***former apprentice***) —

- (a) who holds an electrician's training licence; and
- (b) who purports to have completed the apprenticeship or course of training relevant to that licence,

unless the employer has taken all reasonable steps to be satisfied that the former apprentice has successfully completed the apprenticeship or course of training and has applied for an electrician's licence.