



Australian Government

Department of Education, Employment and Workplace Relations

SIBBCCS406A Use electricity in beauty therapy treatments

Revision Number: 2

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Modification History

Not applicable.

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to safely apply direct and alternating electrical currents in beauty therapy treatments.

Application of the Unit

This unit applies to beauty therapists exercising judgement in planning and selecting appropriate products, services, equipment and techniques.

The use of electrical currents is subject to a treatment plan and may be applied in body treatments, facial treatments, diathermy or electrolysis as a single treatment or part of a series of treatments.

Licensing/Regulatory Information

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.

Pre-Requisites

Nil

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements and Performance Criteria

Element

Elements describe the essential outcomes of a unit of competency.

- 1 Apply knowledge of electricity to beauty therapy treatments.
- 2 Perform beauty therapy treatments using direct and alternating current appliances.
- 3 Perform beauty therapy treatments using electrical muscle stimulation and micro current equipment.

Performance Criteria

Performance criteria describe the achievement of the element. Where information is detailed in the range statement. Assessment of evidence guide.

- 1.1 Identify the *properties of electricity they are used* in the *beauty legislation* and workplace procedures.
- 1.2 Identify relevant *principles* of the beauty therapy treatments.
- 1.3 Identify and address *safety* of equipment in beauty treatments.
- 1.4 Identify common causes and equipment for deterioration and procedures.
- 1.5 Avoid *overloaded circuits* and the use of power boards, which share the same power board.
- 1.6 Use *electrical safety devices* and protect sensitive equipment.
- 2.1 Identify the *principles and applications* and relate these to the design and use of equipment.
- 2.2 Identify *applications for galvanic current treatments* and relate these to client comfort, and client anatomy.
- 2.3 Follow occupational health and safety data to maintain operation of equipment.
- 3.1 Identify and relate the *principles of electrical stimulation and micro current* to the performance of beauty therapy treatments.
- 3.2 Identify major applications of electrical current, and relate these to the performance of beauty therapy treatments to maximise client comfort, and client anatomy.
- 3.3 Follow occupational health and safety data to maintain operation of equipment.

4 Promote electrical safety.

equipment.

- 4.1 Observe *correct operation* of electrical equipment and follow the manufacturer user manual and safety instructions.
- 4.2 Apply *appropriate safety procedures* and inform *relevant personnel*.
- 4.3 Identify preventive measures to avoid equipment deterioration.
- 4.4 Avoid overloading circuits and equipment.
- 4.5 Store electrical equipment to avoid static charges.

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

The following skills must be assessed as part of this unit:

- technical skills to:
 - respond to risk situations that may cause short circuits or overloaded circuits
 - integrate the use of electrical equipment into the planning and performance of beauty therapy treatments
- literacy skills to source, read, comprehend and apply:
 - relevant manufacturers' operating instructions and safety data sheets
 - relevant regulations and workplace safety procedures regarding the safe use and maintenance of electrical equipment
- communication skills to report electrical safety problems and equipment faults.

Required knowledge

The following knowledge must be assessed as part of this unit:

- relevant health and hygiene regulations and requirements and skin penetration legislation
- relevant occupational health and safety regulations and requirements
- principles of electricity as they relate to beauty therapy treatments
- workplace policies and procedures in regard to beauty therapy treatments using electrical equipment
- use of electrical equipment in relation to beauty therapy treatments and procedures, including:
 - environmental impact
 - correct operation of electrical equipment
 - safe use of electrical appliances
 - care and temperature control of equipment
 - taking preventive measures as required
- workplace electrical equipment range and manufacturer instructions and material safety data sheets.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Evidence of the following is essential:

- applying relevant workplace policies and procedures
- applying safe work practices and safe use of products and electrical equipment, including use of preventive measures, according to manufacturer safety manuals and occupational health and safety regulations and requirements
- applying principles of electricity as they apply to beauty therapy treatments
- applying a range of beauty therapy treatments, using a variety of techniques and procedures involving direct and alternating currents and light therapies
- accurately and legibly recording relevant data.

Context of and specific resources for assessment

Assessment must ensure:

- that competency is consistently demonstrated over a period of time and observed by the assessor or the technical expert working in partnership with the assessor as described in the Assessment Guidelines
- that competency is demonstrated in the workplace or a simulated workplace environment in a range of real work situations which may include client interruptions and involvement in other related activities normally expected in the workplace.

Assessment must ensure access to:

- an environment, which includes as a minimum access to:
 - applications for direct and alternating current treatments
 - micro currents
 - low level intensity laser
- relevant workplace documentation including:
 - manufacturer's equipment instructions
 - product instructions
 - manufacturer safety data sheets
 - workplace policies and procedures manuals

- a range of clients with different treatment requirements.

For further guidance on the use of an appropriate simulated environment, refer to the Assessment Guidelines in this Training Package.

Methods of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

- observation of learners performing a range of tasks in the workplace or a simulated work environment, over sufficient time to demonstrate handling of a range of contingencies, including:
 - identifying principles of electricity and developing and maintaining safe work practices
 - relating a variety of treatment processes and electrical equipment to beauty therapy treatments according to client and safety requirements
- written and oral questioning appropriate to the language and literacy level of the learner, to assess knowledge and understanding of beauty treatments using electrical equipment, including home-care advice and relevant legislation
- completion of workplace documentation relevant to use of electrical equipment
- third-party reports from technical experts
- completion of self-paced learning materials, including personal reflection and feedback from trainer, coach or supervisor.

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended, for example:

- SIBBBOS402A Provide body treatments
- SIBBFAS405A Provide advanced facial treatments
- SIBBHRS504A Provide electrolysis treatments
- SIBBSKS503A Provide diathermy treatments
- SIBBSKS504A Design and perform cosmetic tattooing.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Properties of electrical currents and the forms in which they are used may include:

- atomic theory
- bonding
- electrical circuits
- use of electrical frequencies:
 - warming of muscles
 - muscle contraction
 - warming of other tissues
 - cleansing
 - infusion of products into the stratum corneum
- energy
- electrical supply
- static electricity
- direct current
- alternating current
- low intensity laser.

Beauty therapy treatments may include:

- body treatments
- advanced facial treatments
- diathermy treatments
- electrolysis treatments.

Relevant legislation may include:

- health and hygiene
- therapeutic goods regulations
- electrical safety.

Principles of static electricity must include:

- causes of static electricity generation
- client discomfort caused by electrostatic shock
- damage to micro-electronic equipment
- ignition of flammable gas or substances e.g. methylated spirits, acetone or turpentine
- attraction of dust particles.

Preventive measures must include:

- familiarity with correct operation of equipment
- equipment adjusted to minimal levels prior to use
- recognition of danger signs
- switching off and disconnecting appliances from mains supply prior to investigating an electrical fault

- electrical safety devices
- safe work practices
- selection of floor coverings, materials and clothing that minimise the generation of static electricity.

- Safety considerations*** must include:
- effects of electrocution
 - factors affecting severity of electrical shock
 - contingency plans and emergency procedures.
- Short circuits*** may include:
- faulty equipment and/or insulation
 - current that bypasses the load.
- Overloaded circuits*** may include:
- faulty equipment
 - excessive current through a circuit.
- Electrical safety devices*** may include:
- overload cut out devices:
 - circuit breakers
 - fuses
 - earth leakage circuit breakers
 - surge protectors.
- Principles and processes of direct and alternating current*** may include:
- electrical energy and electron movement
 - electrolytic process
 - thermal effect
 - electrodes
 - frequency ranges
 - capacitance.
- Applications for galvanic direct current and alternating current treatments*** may include:
- iontophoresis - cataphoresis and anaphoresis
 - desincrustation
 - electrolysis
 - diathermy
 - blending currents for hair reduction
 - thermolysis
 - direct and indirect high frequency.
- Principles and processes of electrical muscle stimulation and micro current treatments*** may include:
- muscle contraction
 - stimulation of nerves
 - alternating current treatment
 - light therapies:
 - electro-magnetic spectrum
 - infra-red radiation
 - ultraviolet radiation
 - lower intensity laser therapy.
- Correct operation of electrical equipment*** may include:
- precautions to be observed when using electrical equipment
 - regular checking and maintenance of electrical equipment.
- Appropriate safety procedures*** may include:
- monitoring equipment for abnormal behaviour
 - recognising signs of electrical equipment damage
 - reporting faults

Relevant personnel may include:

- isolating accidents.
- supervisor
- salon owner
- more experienced operator
- safety officer.

Unit Sector(s)

Beauty

Competency Field

Client Services