

SPECIALIST AREA: MEDICAL SERVICING

SUB AREAS:

(Linked to L3 Healthcare engineering specialist technician [ST0950](#))

This specialist area contains of the following sub areas:

- *Ventilation equipment servicing*
- *Physiological monitoring and infusion equipment servicing*
- *Bio-medical equipment servicing*
- *Medical therapeutic equipment servicing*
- *Medical imaging equipment servicing*
- *Dental equipment servicing*
- *Cardio-vascular equipment servicing*
- *Anaesthetic equipment servicing*
- *Anaesthetic and ventilation equipment servicing*
- *Bio-medical equipment servicing*
- *Servicing patient beds, trollies and operating tables*

NB. The following duties are indicative and not exhaustive.

SPECIALIST DUTIES:

The following specialist duties are relevant across the sub areas and qualifications should seek to cover these as appropriate:

- assesses the medical servicing equipment for electrical safety in line with regulatory requirements
- applies the principles of patient safety when assessing risk of electrical equipment connected to patients, considering the physiological effects of electricity on the body
- operates medical servicing equipment whilst adhering to safe working procedures
- applies electrical safety testing procedures using statutory guidance and advisory documentation when repairing and maintaining medical

servicing equipment

- undertakes inspection, testing, fault finding and servicing of the relevant medical equipment in accordance with relevant legislation, standards and manufacturers information
- uses an electrical safety analyser correctly and safely to test the medical servicing equipment

SPECIALIST DUTIES RELEVANT TO THE SUB AREA, IN ADDITION TO THE ABOVE:

Physiological Monitoring and Infusion Equipment servicing

- demonstrates principles of patient monitoring, diagnostics and infusion.
- applies appropriate techniques when operating physiological monitoring and infusion equipment

Medical Therapeutic Equipment servicing

- tests medical therapeutic equipment in relation to, therapeutic ultrasound, interferential therapy and shortwave therapeutic diathermy
- applies knowledge of the structure and function of the nervous and muscular systems, physiology of nerve and muscle tissue stimulation and the structure and function of the nervous and muscular systems.

Servicing Patient Beds, Trolleys and Operating Tables

- communicates own role and the role of others under the Health and Safety at Work Act, and other current legislation relating to Health and Safety
- selects the types of protective clothing and equipment required
- adheres to health and safety, infection control and de-contamination requirements prior to accepting work into the work area for service and or repair