



Falkland Islands Government – Job Description

Job Title:	Electro-Biomedical Engineer (EBME)		
Department:	Health & Social Services	Section:	Engineering
Reports to:	Medical Engineering Manager		
Grade:	Falkland Islands Government Grade – C	Job Code:	213ME3

Job Purpose

Responsible for the day to day management of EBME maintenance services – under general guidance from the Hospital Maintenance and Engineering Manager – the duties of which will involve planned and remedial maintenance on the hospital's critical medical life support equipment, including radiology, laboratory and dental equipment. The postholder will also be responsible for training and mentoring a resident EBME Officer (Trainee).

Main Accountabilities:

- As the leading EBME Officer, manage the Hospital's medical equipment (c700 items of equipment). The role is not limited to usual EBME equipment, but also includes radiology, imaging, dental and laboratory equipment.
- Through the effective use of the existing Maintenance Management System (presently Planet), ensure that all equipment is properly maintained to manufacturer's recommendations and all work is recorded and documented accurately and on a timely basis.
- Provide a maintenance, acceptance, test, repair and calibration service for a range of high risk and technically complex equipment including specialist infusion pumps, syringe drivers, defibrillators, used within the Hospital and associated clinical areas.
- Provide technical advice and support across a wide range of equipment related matters, which will include dealing with requests from staff throughout the hospital, exercising judgment on complex equipment and situations, precise interpretation and application of policy, legislation and guidance, reporting to the Hospital Maintenance and Engineering Manager and the Senior Management Team (SMT) where appropriate.
- Develop and implement a continuous training programme for the Trainee EBME Officer through Personal Development Plans. Undertake performance reviews on a regular basis, ensuring feedback on performance is given at intervals throughout the year, and putting in place development / training plans as required.
- Assist the Hospital Estates Manager (HEM) with the continued development of the 10 year Hospital Capital Program to SMT for consideration.
- Liaise with overseas manufacturers and service providers to gain best value for money and technical support.



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Main Accountabilities: *continued*

- Deal with emergencies arising with equipment and participate if required, in an emergency out of hours on-call service including attendance to resolve technical problems.
- Assist in the management, administration and support of maintenance contracts held with external contractors and be responsible for producing accurate and direct records for technical servicing on equipment.
- Be responsible for planning own work and prioritising as required non-routine technical and breakdown requests.
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- Be responsible for planning own work and prioritising as required non-routine technical and breakdown requests.
- Order accessories and spares as necessary and manage the stock control of a defined group of equipment spares as required.
- Undertake training, as necessary, in line with the development of the post, as agreed with your Line Manager, as part of the personal development process.
- This is an outline job description designed to give an overview of the responsibilities of the post. The post-holder will be expected to be flexible to respond to change and organisational need. The post holder will also be expected to contribute to the wider corporate and organisational needs of the Health and Social Services Department as required.

The job description is not an exclusive or exhaustive definition of your duties. You shall undertake such additional or other duties as may reasonably be required by FIG commensurate with your role and grade.



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Additional Information:

The KEMH, although on a small scale, would be considered as an acute hospital in the UK to which our standards are based. The maintenance required covers a broad spectrum of disciplines and Senior Engineers must maintain a wide range of complex equipment in-house in conjunction with manufacturer's service requirements and relevant statutory obligations and guidance.

The post holder will be required to participate in the 'on call' service which covers hospital out of hour's plant/equipment emergencies, and required to support aero-medical evacuation services.

Criminal Record Checks - This post is regarded as a sensitive post

All applicants for Government posts will be asked to disclose convictions upon application. Criminal records will only be considered for recruitment purposes when the conviction record is relevant. Having an 'unspent' conviction will not necessarily bar a candidate from employment. This will depend on the circumstances and background to the offence(s).

Any information given will be completely treated as confidential and will be considered only in relation to the post to which the application refers.

Failure by a candidate to reveal information that is directly relevant to the post applied for could lead to the withdrawal of an offer of employment



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Person Specification:	Electro-Biomedical Engineer (EBME)		
Criteria	Essential	Desirable	Assessment Method
Education and Training:			
HNC/D/Degree (Preference to HND and above) in Electrical/Electronic Engineering/Medical Physics	✓		A
Formal EBME Training on Critical and Life Saving Equipment	✓		A
<p>Manufacturer's Course attendance and experience on equipment, in particular the following:</p> <ul style="list-style-type: none"> Anaesthetic Equipment and Agent Monitoring Ventilator Equipment including ITU and Transport ventilators Endoscopy and other surgical equipment Patient Monitoring Equipment Infusion Pumps, various types Patient transport systems, aero-medical equipment, including Neonatal X-ray and other medical imaging equipment (X-ray rooms, portable/c-arm/dental X-rays, ultrasound scanners, image storage systems) Dental Equipment Pathology Laboratory Equipment, particularly fully-automated analyser 	✓		A
Engineering Institutional Membership	✓		A
NB Equivalent combinations of educational qualifications and experience may be considered.			
Knowledge, Skills and Experience:			
Experience in installation, commissioning and user training of new medical equipment	✓		A/I
Experience in facing emergency situations under pressure with no external assistance	✓		A/R
At least 5 years' experience post qualification, in a senior engineering role (10+ years desirable)	✓		A/R
Clear and good command and understanding of English language and technical terms	✓		A/I/R
Computer literate (able to use electronic maintenance programs, spreadsheets, and test software knowledge of Software Maintenance Systems)	✓		A/R



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Person Specification:	Electro-Biomedical Engineer (EBME)		
Criteria	Essential	Desirable	Assessment Method
Knowledge, Skills and Experience: <i>continued</i>			
Good time management skills, and able delegate and prioritise whilst setting an example for others to follow	✓		A/I/R
Experience of Portable Medical Oxygen, Air and Medical Entonox Systems		✓	A/I
Minimum of one year experience of undertaking on call duty responsibilities		✓	A/I
Awareness of health and safety issues at work		✓	A/I/R
Personal Attributes:			
Listens to others and give guidance with a calm and even temperament	✓		I/R
Able to work within a team to achieve common goals, sensitive to the needs of others within the team. Have experience with training and mentoring	✓		I
Flexible and able to take on extra responsibilities if required and a commitment to work hours necessary to complete tasks	✓		I/R
Be punctual, reliable, flexible and self-motivated and able to work on own initiative	✓		I/R
Able to assist in Aero med evacuations, handing life-saving patient transport equipment (this may involve leaving the Falkland Islands for periods of up to 48 hours)	✓		I/R

Method of Assessment:

A - Application Form

I - Selection Interview

R - Reference