**Title:** Head of Clinical Engineering / MDSO

**Band:** 8a

**Staff Group:** A&C

**Reports to:** Care Group Manager

**Job Summary:**

* The Head of Clinical Engineering & Medical Devices Safety Officer (MDSO) provides strategic and operational leadership for the hospital’s Clinical Engineering service, ensuring the safe, effective, and efficient management of all medical devices and related technologies across the Trust.
* This role is responsible for setting the strategic direction of the service, aligning it with Trust objectives, and ensuring compliance with relevant regulatory standards (e.g., MHRA, CQC, ISO 13485). The post-holder will lead on medical device lifecycle management — including procurement support, commissioning, maintenance, performance monitoring, decommissioning, and disposal — to ensure equipment is safe, reliable, and cost-effective.
* Working collaboratively with clinical teams, procurement, estates, and external suppliers, the Head of Clinical Engineering will ensure that device-related risks are identified, managed, and escalated appropriately. The post-holder will also play a key role in driving innovation, introducing new technologies, and supporting the digital transformation agenda, including data flow mapping and integration with the Trust’s wider IT infrastructure.
* The role includes leadership and development of a multidisciplinary team of engineers and technicians, fostering a culture of continuous improvement, staff engagement, and professional development. The post-holder will be accountable for financial management of the department, delivery of cost improvement plans, and ensuring that services are delivered within agreed budgets and performance targets.
* The MDSO is the organisation’s designated lead for medical device safety, acting as the key point of contact between the Trust, the MHRA (Medicines and Healthcare products Regulatory Agency), NHS England, and manufacturers. Their main purpose is to ensure that medical device-related risks are effectively managed and that learning from safety incidents and device alerts is shared across the organisation.

**Key Responsibilities:**

**Strategic Leadership & Service Development**

* Develop and implement the Trust’s Clinical Engineering strategy, ensuring alignment with organisational objectives, patient safety standards, and national policy.
* Lead on medical device management strategy, ensuring equipment is fit-for-purpose and supports clinical priorities.
* Provide expert advice to the Trust Board, Divisional leadership, and clinical teams on emerging technologies, risk management, and capital investment planning.
* Ensure compliance with relevant legislation, guidance, and standards (MHRA Managing Medical Devices, ISO 13485, CQC regulations).

**Operational Management**

* Manage the end-to-end medical device lifecycle, including procurement support, commissioning, maintenance, performance monitoring, and safe disposal.
* Oversee the delivery of Planned Preventive Maintenance (PPM) programmes, ensuring compliance with national guidance and Trust targets.
* Ensure timely response to equipment failures, minimising disruption to patient care.
* Lead on medical device risk assessments and incident investigations, ensuring robust governance and reporting arrangements are in place.

**Medical Device Safety Officer (MDSO) Duties**

* Act as the Trust’s designated MDSO, maintaining effective communication with MHRA, NHS England, and regional MDSO networks.
* Coordinate the Trust’s response to medical device alerts, field safety notices, and manufacturer recalls, ensuring timely action and documentation.
* Lead incident investigations involving medical devices, ensuring root cause analysis is completed and learning is shared Trust-wide.
* Maintain and oversee the Medical Devices Risk Register, escalating significant risks via Divisional and Trust governance structures.
* Provide expert input into the Medical Devices Policy, staff training programmes, and competency frameworks.
* Serves as an active **member of the National Medical Devices Safety Network,** engaging with national and regional forums, contributing to shared learning, and implementing best practice guidance within the organisation to promote the safe management and use of medical devices.

**Team Leadership & Workforce Development**

* Provide professional leadership for Clinical Engineering staff, setting clear objectives and performance standards.
* Promote staff development, training, and competency assessment, ensuring a skilled and motivated workforce.
* Foster a culture of openness, innovation, safety and continuous improvement.

**Financial & Resource Management**

* Hold budgetary responsibility for Clinical Engineering services, ensuring delivery within agreed financial envelopes.
* Develop and deliver Cost Improvement Plans (CIPs) without compromising quality or safety.
* Optimise use of resources, including service contracts, spares, and capital replacement programmes.

**Stakeholder Engagement & Collaboration**

## Work closely with clinical teams, procurement, IT, estates, and external suppliers to ensure safe and cost-effective service **delivery**.

* Represent the Trust at regional and national forums, sharing best practice and contributing to service development initiatives.
* Support digital transformation initiatives, including integration of medical devices into electronic patient record systems and data flow mapping.

## **Person Specification**

| **Criteria** | **Essential** | **Desirable** |
| --- | --- | --- |
| **Qualifications** | Degree in Clinical / Biomedical / mechanical / electrical engineering or related discipline. | Chartered Engineer (CEng) or equivalent professional registration with the Engineering Council (via IHEEM, IET, or IMechE). |
|  |  | PRINCE2 / Project Management qualification. |
| **Experience** | Senior management experience within Clinical Engineering / Medical Devices or other relevant department in an acute hospital setting. | Experience in service redesign, digital transformation, or ISO 13485 accreditation. |
|  | Proven experience of managing budgets and delivering CIPs. | Experience working with regulatory bodies (MHRA, CQC). |
| **Knowledge & Skills** | Comprehensive knowledge of medical device management, legislation, and governance. | Familiarity with NHS finance, procurement, and capital planning processes. |
|  | Strong leadership, communication, and influencing skills. | Knowledge of risk management frameworks and Datix. |
|  | Ability to analyse data, produce reports, and present to Exec-level audiences. | Experience in Lean or Quality Improvement methodologies. |
| **Personal Attributes** | Strategic thinker with a focus on patient safety and service improvement. | Evidence of innovation and service development. |
|  | Ability to work under pressure, manage competing priorities, and drive change. |  |

**Organisational Chart**

**CCHAT Care Group**

**Date:**

