



## APPOINTMENT, ROLES AND DUTIES OF PERSONNEL

### General

It is the duty of all persons who may be concerned with the, control, operation, work or testing of plant, pipeline distribution and equipment to which these rules apply for Medical Gas Pipeline Systems (MGPS) and to understand fully the roles set out in HTM02-01 Parts A & B (MGPS) and the specific role the person is required to fulfil.

The responsibilities placed upon persons may include all or part of those detailed in this section depending on the role of the persons.

Any written authorisation given to persons to perform their designated role in the implementation of these rules relating MGPS shall indicate the class of operation and/or the level of work permitted and section to which authorisation applies.

Persons involved in achieving safety from the inherent dangers of the system, to allow work or testing to commence on plant pipeline systems and equipment and its subsequent restoration to service will be concerned in separate but broadly identifiable areas of responsibility, as follows:

### **Control**

- Ensuring all staff who are undertaking any isolation work, installation and maintenance testing are fully competent to do so.
- Before work commences instructing actions to implement precautions and sanctioning the issue of safety documents in order to make systems safe and to ensure the users of MGPS are fully aware of the systems isolation from patient use.
- After completion of work acknowledging the cancellation of safety documents and instructing actions to restore equipment to service.
- Ensuring all policies and procedures relating to MGPS are robust and being implemented.

### ***Making safe or restoring equipment***

- Before work commences, taking action to make plant pipeline distribution systems and equipment safe for work and issuing the safety documents.
- After completion of the work taking action to restore equipment to service and cancellation of safety documents.
- Users informed that the work has been completed.

### **Work**

- Receipt of safety documents clearly outlining the extent of the work to be carried out.
- All work carried out in accordance with standards and procedures for installation, maintenance and testing.
- Restoration of plant equipment to service and clearance of safety documents by the relevant personnel.

## **Role and Responsibilities of Key Personnel**

There is a requirement to identify a number of key personnel who in accordance with the requirements of HTM02-01 Part B, will have specific responsibilities for the operation, maintenance and use of MGPS as follows:

- a) Executive Manager
- b) Authorising Engineer (MGPS)
- c) Estates/Operations Manager
- d) Authorised Person (MGPS)
- e) Competent Person (MGPS)
- f) Quality Controller (MGPS)
- g) Designated Medical Officer MGPS or  
Designated Nursing Officer MGPS

### **Executive Manager**

The Executive Manager is defined as the Person with ultimate management responsibility, including the allocation of resources and the appointment of personnel for the organisation in which the MGPS are installed.

Depending on the nature of the organisation this role may be filled by the Chief Executive or another senior member of staff who has an executive level of authority and reports to, or is a member, of the organisation's most senior decision making body.

The formal responsibility for the MGPS rests with the Executive Manager, although the Authorised Person (MGPS) retains effective responsibility for day to day management of the MGPS.

The Executive Manager is responsible for the implementation of an operational policy for MGPS and should ensure that the operational policy clearly defines the roles and responsibilities of all personnel who may be involved in the use, installation and maintenance of the MGPS. The Executive Manager is responsible for the monitoring of the policy.

### **Authorising Engineer (MGPS)**

The Authorising Engineer (MGPS) should be suitably qualified and have followed an accredited course of training. The qualifications for this role are set out in Appendix No. 1.

The Authorising Engineer should be registered on the Register of Authorising Engineers (MGPS) maintained by the Institute of Healthcare Engineering and Estate Management (IHEEM), and will be bound by its Code of Conduct.

#### **2.2.1 *The roles of the Authorising Engineer (MGPS) are set out below:***

- a) The Authorising Engineer may be required to advise Trusts and Design Teams of the relevant standards relating to design, installation and commissioning of major refurbishments and or new systems involving MGPS.
- b) Assess and make recommendations to the Executive Manager of the Organisation to appoint sufficient Authorised Persons (MGPS) to provide the necessary arrangements for the management of MGPS installation for which the management of the Trust has responsibility.

c) Define the exact extent of the systems and installations for which each Authorised Person (MGPS) has responsibility for and where appropriate any part of the system which is excluded from the Authorised Persons (MGPS) responsibility.

d) If necessary make recommendations to the Executive Manager of the Organisation to suspend or cancel the appointment of an Authorised Person (MGPS) and withdraw their certification.

e) Maintain a register of all Authorised Persons (MGPS).

f) Ensure the candidates for appointment as Authorised Person (MGPS):

- i) Satisfy the qualification requirements.
- ii) Satisfy the training and familiarisation requirements
- iii) Can demonstrate adequate knowledge of each system installation and type of equipment for which authorisation is sought.
- iv) Have satisfied the Authorising Engineer (MGPS) as to their competence and ability.

2.2.2 The Executive Manager issues to each Authorised Person (MGPS) on appointment a certificate valid for a period not exceeding three years.

2.2.3 The Authorising Engineer (MGPS) must report to the Executive Manager of the organisation any deficiency in the number of suitably trained and experienced Authorised Persons (MGPS), where this significantly impairs the management of the organisation's ability to provide a safe and efficient service.

2.2.4 At the request of the Executive Manager, initiate and co-ordinate the investigations of reported injuries and dangerous occurrences involving MGPS within the remit of the Authorising Engineers (MGPS) responsibility. The Authorising Engineer (MGPS) working with the Organisation's risk management team and other statutory bodies shall make a report together with recommendations and report to the Executive Manager of the organisation.

2.2.5 Advise the Executive Manager of any amendments to guidance issued by the Department of Health relating to the HTM02-01 Parts A & B [2006] (MGPS) and any changes to statutory requirements providing an assessment of the impact of any changes.

2.2.6 Ensure there is a system in place to notify and circulate relevant information which will include the notification of any defects or operational restrictions issued by a manufacturer, supplier or distributor or the statutory agencies.

2.2.7 Agree in writing with the Executive Manager any local deviation from these rules that may be necessary for their application to a particular item of plant, system or location.

2.2.8 At random intervals not exceeding twelve months, the Authorising Engineer (MGPS) is to review the operational experience of all Authorised Persons. These reviews should pay particular attention to:

Operating records of the PGMS under their management including the issue and cancellation of permits.

Review of PGMS systems under the control of the Authorised Person.  
Identification of any training and development needs.

The reviews shall include a one to one meeting. The outcome of the reviews to be formally documented and a copy held by the Authorising Engineer (MGPS) and the Authorised Person (MGPS).

2.2.9 At intervals not exceeding three years the Authorising Engineer (MGPS) is to undertake a comprehensive audit of the safe systems of work and safety procedures as set out in the HTM02-01 Part B [2006] (MGPS). A separate audit will be required for each geographical area for which the Authorising Engineer (MGPS) is appointed to administer.

A written audit is to be compiled listing good practice and identify any deficiencies and recommendations to address them. The report will be sent to the Executive Manager of the Organisation.

## **2.3 Estates/Operations Manager**

The Estates/Operations Manager holds responsibility on behalf of the Executive Manager for the integrity of the MGPS. In a NHS Healthcare Organisation employing direct labour there may be one or more Authorised and Competent Person(s) (MGPS) with clear line management responsibility.

2.3.1 In situations where the Authorised and Competent Person(s) (MGPS) are contracted to the Trust, or are employed by the PFI/FM consortium, it will be necessary to identify a function within the organisation that is analogous to the Estates Management function within a NHS Organisation. Within this function, senior management will appoint Authorised and Competent Persons (MGPS): the former on the recommendation of an independent Authorising Engineer (MGPS) and the latter following assessment by the Authorised Person(s) (MGPS) within the organisation.

2.3.2 The Estates/Operations Manager should also monitor the implementation of the MGPS operational policy. In particular, the MGPS should comply with the requirements of the HTM02-01 Part B [2006] and all work should be carried out in accordance, where possible, with the permit-to-work procedures as set out in the HTM02-01 Part B [2006].

## **2.4 Authorising Person (MGPS)**

2.4.1 The Authorised Person (MGPS) is defined as that person designated by the Executive Manager to be responsible for the day-to-day management of the MGPS at a particular site or sites. This includes the issue of permits in accordance with the permit-to work procedure and specific duties relating to the VIE Installation.

2.4.2 All Authorised Persons (MGPS) will be appointed by the Executive Manager on the recommendation of an Authorising Engineer (MGPS). An individual assessment of the suitability of the potential Authorised Person (MGPS) will be required before such a recommendation can be made.

2.4.3 This Authorised Person (MGPS) may be appointed from within:

- A. The directly employed workforce of the trust with overall responsibility for the healthcare establishment;

- B. A neighbouring trust;
- C. The PFI/FM contractor;
- D. A specialist MGPS contractor working as a subcontractor to the PFI/FM organisation;
- E. a specialist agency offering Authorised Person (MGPS) services.

2.4.4 On a large site, there could be several Authorised Persons (MGPS). In this case, the Executive Manager should appoint one as the Coordinating Authorised Person (MGPS) with overall responsibility for the site.

2.4.5 The Coordinating Authorised Person (MGPS) will coordinate the actions of all other Authorised Persons (MGPS) within his/her area of responsibility and will manage the permit-to-work system and other MGPS safety aspects in that area.

2.4.6 Procedures using permits for the authorisation of work require the fullest cooperation of all staff, and their acceptance of the responsibilities involved. The Authorised Person (MGPS) should take the lead in coordinating the work and explaining fully the extent and duration of any disruption to the service. They should also ensure that all contractors follow the procedures set out in the permit.

2.4.7 The Authorised Person (MGPS) is responsible for ensuring that:

A. All Designated Nursing Officers (MGPS) likely to be involved are advised within a reasonable timescale of the estimated duration of the work and any required interruption to the MGPS;

B. All terminal units affected, that is, out of service, are appropriately labelled with “danger do not use” notices.

2.4.8 Arrangements should be made to ensure that cover for an Authorised Person (MGPS) is always available, particularly during holidays and other absences.

2.4.9 The Authorised Person (MGPS) is required to liaise closely with other professionals in various disciplines, and consequently the appointment should be made known in writing to all interested parties. He/she should have direct contact with the Quality Controller (MGPS), Designated Medical Officer/Nursing Officer (MGPS), users and other key personnel.

2.4.10 The Authorised Person (MGPS) should be consulted before the purchase of any medical equipment that will be connected to the MGPS.

Further details on the roles and duties of and the qualifications of an Authorised Person (MGPS) are shown in Appendix No. 2.

## 2.5 **Competent Person (MGPS)**

2.5.1 The Competent Person (MGPS) is the person who carries out the installation and/or maintenance work on the MGPS. A list of their responsibilities and duties is set out in Appendix No. 3. The Competent Person (MGPS) should have received appropriate training and should be on a list of Competent Persons (MGPS). In the case of directly employed labour, this list should be held by the Authorised Person (MGPS); in the case of contracted labour, it should be held by the contractor's Authorised Person (MGPS) or project manager.

## 2.6 **Quality Controller (MGPS)**

2.6.1 The Quality Controller (MGPS) is the person designated as the quality controller for MGPS. They are responsible for the quality control of the medical gases at the terminal units and plant such as medical air compressors, oxygen concentrators and synthetic air systems.

2.6.2 The Quality Controller (MGPS) will accept the professional responsibility for the last independent check of an MGPS that, if faulty, could cause critical clinical consequences to patients.

2.6.3 The Authorised Person (MGPS), in conjunction with the chief pharmacist, should contact the Quality Controller (MGPS) when testing of MGPS is required. Authorised Persons (MGPS) contracting in Quality Controller (MGPS) services should ensure that documentary evidence of continuing and recent experience in MGPS testing is provided before a contract is finalised.

2.6.4 The Authorised Person (MGPS) will need to liaise with the Quality Controller (MGPS) before an MGPS can be taken into use, as quality tests may be required before gases are passed to patients; the specific tests and requirements are set out in Chapter 15, HTM02-01 Part A [2006].

2.6.5 Guidance on the appointment of Quality Controllers (MGPS) to carry out quality-control testing of MGPS is given in Appendix No. 4.

## 2.7 **Designated Medical Officer (MGPS) or Designated Nursing Officer (MGPS)**

2.7.1 The Designated Medical or Nursing Officer (MGPS) (hereafter Designated Officer (MGPS)) is the person in each department with whom the Authorised Person (MGPS) liaises on any matters affecting the MGPS and who would give permission for a planned interruption to the supply.

2.7.2 It is essential that there is liaison between the medical and nursing staff that use the MGPS and the Authorised Person (MGPS) to ensure that the MGPS is appropriate to their needs.

2.7.3 The Designated Officer (MGPS) should give permission for any interruption to the MGPS and should sign the appropriate parts of the permit-to work.

2.7.4 The MGPS operational policy should clearly set out the requirements for such permission, including the circumstances dictating signature by either the Designated Medical Officer (MGPS) or Designated Nursing Officer (MGPS).

2.7.5 The Designated Officer (MGPS) and the Authorised Person (MGPS) are responsible for ensuring that all clinical/nursing staff are aware of the interruption to the MGPS and which terminal units cannot be used.

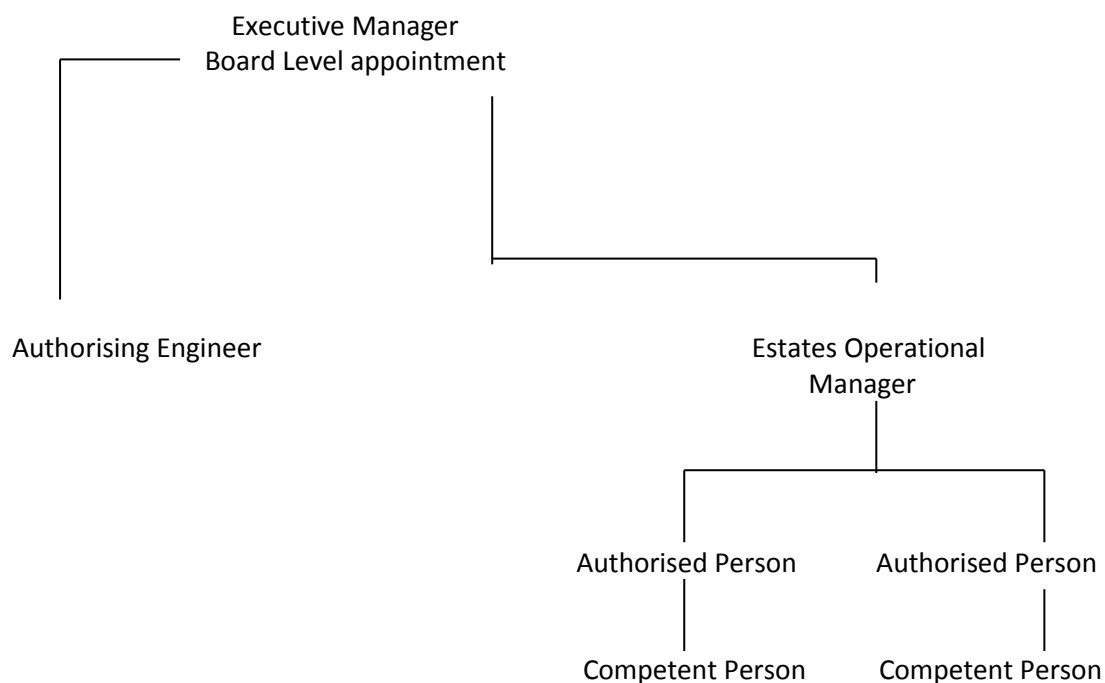
2.7.6 There should ideally be a Designated Officer (MGPS) for every department; the MGPS operational policy should list the Designated Officers (MGPS) and the arrangements for cover due to absences of the Designated Officers (MGPS).

2.7.7 The Designated Officer (MGPS) acts as the focal point for communications related to the MGPS and advises on any special requirements for his/her department relating to MGPS, such as provision of emergency cylinders and vacuum pumps.

2.7.8 The Designated Officer (MGPS) would normally carry out the appropriate action in the event of an emergency (for example isolation of a ward supply); such actions should be set out in the MGPS operational policy.

2.7.9 All Designated Officers (MGPS) should have received training on the MGPS relevant to their departments and on the action to be taken in the event of an emergency.

### 3.0 **Management Structure**



## **APPENDIX – ONE**

### **QUALIFICATIONS AND EXPERIENCE AUTHORISING ENGINEER (MGPS)**

An Authorising Engineer MGPS will be:

A Chartered Engineer in an appropriate discipline; or

Have sufficient engineering knowledge and pharmaceutical knowledge and be qualified to the level equivalent to Incorporated Engineer; or

A degree in a relevant science or engineering subject or membership of a relevant professional institution.

**N.B** As an alternative to the above, those persons with a lower level of qualification, but with extensive relevant work based experience of at least five years in the field of medical Gas Pipe Line Systems, may be acceptable, provided that all other criteria are met.

The Authorising Engineer (MGPS) will be required to demonstrate:

A minimum of five years recent and relevant experience in Medical Gas Pipeline Systems to current standards (supported by a relevant CPD Log).

Completion of an appropriate AE(MGPS) course and passing the associated examination within three years of application. Details on appropriate courses to be confirmed.

Completion of the HTM00 AE Foundation Course within 12 months of registration. Details on course dates and venues are available from IHEEM.

Undergo a professional interview by the AE(MGPS) Panel.

Submission of a written application of approximately 2000 words outlining the experience and type of work carried out and supported by a CPD log.

Agreement by signature to adhere to the AE(MGPS) Code of Conduct.



## **APPENDIX – TWO**

### **ROLES, DUTIES, QUALIFICATION AND EXPERIENCE OF AUTHORISED PERSONS**

#### **Roles of Authorised Persons (MGPS)**

The Authorised Person is appointed in writing by the Executive Manager following a recommendation from the Authorising Engineer for a period of up to 3 years, more than one Authorised Person may be appointed for a system or installation but, at any one time only one Authorised Person is to take charge of any work or test to a system or installation. If in the event there is to be a transfer of responsibility it must be recorded in the safety certificate documentation.

1.1 In trusts responsible for more than one healthcare establishment, it is possible to draft Authorised Person services from one site to another. This would apply to provision of Authorised Person (MGPS) services from, say, a large acute hospital to smaller community hospitals and hospices. It will be the responsibility of the trust employing the “peripatetic” Authorised Person (MGPS) to ensure that relevant contractual and insurance issues are resolved and that the Authorised Person (MGPS) is given ample opportunity to familiarise himself/herself with the additional site(s).

1.2 This arrangement can also be used on PFI/FM sites where the PFI/FM contractor has no directly employed Authorised Person (MGPS). However, if none of the Trust’s properties employs an Authorised Person (MGPS), it will be necessary to contract in an Authorised Person (MGPS) from one of the bodies listed in (b), (d), or (e) in paragraph 4.31 of HTM02-01 Part B [2006].

1.3 In Trusts with only a single site, the Authorised Person (MGPS) may be employed by the trust as a member of the estates staff, or as in (b), (c), (d) or (e) in paragraph 4.31 of HTM02-01 Part B [2006].

1.4 Establishments with no directly employed Authorised Person (MGPS) and no PFI/FM contractor involvement (for example some community and hospice sites) will prove the most difficult in terms of MGPS management, because – should an Authorised Person (MGPS) be immediately unavailable subsequent to an emergency breakdown or pipeline failure – the site’s senior manager will need to identify a site-based person with sufficient MGPS expertise to sign permits-to-work. This staff member should receive training in the safety aspects of medical gases and application of the permit-to-work system, and all permits completed by this staff member should be examined by the Authorised Person (MGPS) at the earliest opportunity.

1.5 With smaller units, the cost of these services can be considerable in terms of overall budget; it is the responsibility of the service providers to do all that is reasonably practicable to ensure cost-effective provision while maintaining the required level of safety. Where applicable, members of the unit staff should be trained in the safety aspects of medical gases and application of the permit-to-work system.

1.6 Potential providers of Authorised Person (MGPS) services are reminded that:

A. Authorised Person (MGPS) appointments cannot be made unless recommended by a registered Authorising Engineer (MGPS);

B. This registration will require proof of familiarity with the area(s) of responsibility of the Authorised Person (MGPS);

C. Appropriate professional and public liability insurance must be carried.

1.7 The Authorised Person shall be solely responsible for the practical implementation and operation of the guidance set out in HTM02-01 Part B [2006] for the systems and installation for which the management of the Trust has responsibility.

1.8 The Authorised Person's instructions and decisions on matters relating to MGPS are final and must be complied with. In case of a dispute, the Authorised Person is to stop the work or the test and make safe. If required the Authorised Person may seek the opinion of the Authorising Engineer for adjudication.

### **The duties of an Authorised Person**

2.1 Control the work undertaken on MGPS, prepares inspection testing and safety programmes and ensure all work is carried out in accordance with the programme.

2.2 The Authorised Person (MGPS) is responsible for ensuring that work is carried out only by approved specialist contractors registered to BS EN ISO 9001/BS EN 13845, with scope of registration defined as design, installation, commissioning, validation, verification and maintenance of MGPS as appropriate. Evidence of current registration should be by sight of the certificate of registration.

2.3 Monitor the work undertaken by contractors and that any new systems or alterations do not compromise the safety and operation of the overall systems and installations.

2.4 Ensure all records concerning MGPS are kept up to date.

2.5 Ensure that any person working on the MGPS are competent to do so.

2.6 Ensure that all Trust equipment is maintained in good condition.

2.7 Co-operate with the Authorising Engineer in matters of Policy concerning MGPS.

2.8 Notify any dangerous and unusual incidents to the Designated Person and Authorising Engineer by the quickest means and prepare a written report at the earliest opportunity.

2.9 Appoint in writing Competent Persons following an appraisal of their qualifications, skills and competencies. The Authorised Person will be required to keep records which will identify appointment and expiry dates, details of training and dates when CPD training will be required.

2.10 Issue and cancellation of Safety Documents (Permits to Work) as set out in HTM02-01 Part B [2006].

2.11 Inform the Authorising Engineer of

Any defects found in a MGPS for which they are responsible for.

Any dangerous occurrence

Any dangerous practices observed during the course of their duties.

2.12 Authorised Persons are required to monitor the performance of all Competent Persons annually, monitoring of the MGPS is also required including:

- a) Plant Room and Service Distribution Points
- b) Ensuring all safety and testing equipment is available fully tested and in good working order.

2.13 Authorised Person will be required to attend annually an appraisal by the Authorising Engineer. The Appraisal will pay attention to the following:

Operating records of the PGMS  
Review of the PGMS systems and installation  
Identify any further training and or development needs.

### **3.0 Qualifications and Experience**

The Authorised Person (MGPS) will:

Possess a minimum of five years relevant professional experience;  
Be qualified to a level of Higher National Certificate in an electrical or mechanical engineering discipline;

The Authorised Person (MGPS) will:

Have attended an accredited Authorised Person (MGPS) course within three years before applying for appointment;

Possess an adequate knowledge of health and safety aspects of MGPS Plant and components, this HTM and other guidance, rules and regulations that are applicable to the systems and installations for which the appointment is sought;

Be technically competent to carry out routine and emergency procedures, being able to act in an emergency to make plant and systems safe and provide alternative supplies;

Provide documentary evidence of formal qualifications and experience including records of CPD attendance;

By means of formal interview satisfy the Authorising Engineer (MGPS) of his/her familiarisation with the MGPS for which they will assume responsibility and his/her ability to perform the role safely, conscientiously and effectively;

Have adequate knowledge of, and within the last three years have successfully completed a course in emergency first aid training.

## **APPENDIX – THREE**

### **1.0 ROLES AND DUTIES OF COMPETENT PERSONS (MGPS)**

1.1 The Competent Person (MGPS) is appointed in writing by the Authorised Person (MGPS) for a period of up to 3 years. More than one Competent Person (MGPS) may be appointed for a system or installation.

1.2 Competent Persons shall comply with the guidance set out in the HTM 02-01 Part B [2006]. They must only undertake the work set out in written instructions issued as part of the safety documents (Permits to Work) issued by an Authorised Person.

1.3 Competent Persons (MGPS) shall use safe methods of work, safe means of access and the personal protective equipment and clothing provided for their safety.

1.4 On receipt of written instructions as part of the safety documents (Permits to Work) the Competent Person (MGPS) shall:

- a) Be fully conversant with the nature and extent of the work to be done.
- b) Read the contents and confirm to the Authorised Person (MGPS) issuing the safety documentation that they fully understand the nature of the work to be undertaken.
- c) During the course of the work, adhere to, and instruct others under their charge to adhere to, any conditions, instructions or limits specified in the safety documentation. Provide immediate or personal supervision as required.
- d) Retain the safety documentation (Permit to Work) and any keys or lockable devices in safe custody and correctly implement any management procedure to implement this.
- e) Warn all persons as quickly as possible to withdraw from, and not to work on, the equipment concerned until further notice if, during the course of the work, a hazard which could result in danger arises or is suspected. The situation shall be reported immediately by the Competent Person to the Authorised Person (MGPS).

1.5 Competent Persons (MGPS) shall not start or restart work under a safety document (Permit to Work) issued to another Competent Person (MGPS).

1.6 Having accepted the Safety Documentation (Permit to Work) the Competent Person (MGPS) may only undertake or supervise the work or test specified in the document until the task is complete and the Competent Person (MGPS) has signed on the relevant section of the document to confirm completion.

If the Competent Person (MGPS) has to temporarily leave the location of the work or test, the task is to be suspended and adequate safety precautions taken to prevent danger. The work or test is not resumed until the Competent Person (MGPS) has returned to the location of the work or the test.

1.7 Competent Person (MGPS) on signing the safety document (Permit to Work) the work or test is completed shall only do so after all persons working under the safety document (Permit to Work) have been withdrawn from, not to work on, the equipment concerned.

All tools, gear and loose material have been removed guards, access doors and all covers are replaced and the workplace is left tidy and where appropriate all equipment plant and systems are ready for commissioning testing and restoration to service.

## **2.0 Qualifications and Experience**

The Competent Person (MGPS) will:

Have completed relevant modules of the Advanced Modern Apprenticeship Scheme or possess formal electrical/mechanical qualifications (City & Guilds);  
Possess a minimum of three years relevant experience.

The Competent Person (PGMS) will have:

Have attended an accredited Competent Person (MGPS) course within three years before applying for appointment as Competent Person (MGPS);  
By means of a formal interview have satisfied the Authorised Person (MGPS) of his/her familiarisation with the MGPS on which they work and his/her ability to perform the role safely, conscientiously and effectively.

## **3.0 Assessment of competency of the Competent Person (MGPS)**

The Competent Person (MGPS) may be a member of a specialist contractor's staff or of the estates department.

Competent Persons (MGPS) must be able to demonstrate skills in MGPS maintenance and/or installation in accordance with nationally accredited guidelines.

Where the Competent Person (MGPS) is a member of the estates department, the Authorised Person (MGPS) is responsible for assessing the competency of the Competent Person (MGPS) with respect to work on the MGPS.

Where Competent Persons (MGPS) are members of a contractor's staff, the contractor is responsible for assessing the competence of those staff and maintaining a register of Competent Persons (MGPS).

## **APPENDIX - FOUR**

### **QUALITY CONTROLLERS (MGPS)**

#### **1.0 QUALIFICATIONS AND EXPERIENCE**

##### **1.1 The Quality Controller (MGPS) will:**

Be a graduate who is eligible for membership of the Royal Pharmaceutical Society of Great Britain (RPSBG) or the Royal Society of Chemistry (RSC) or the Institute of Biology;  
Have successfully completed an accredited training course for QC testing of Medical Gases and Piped Medical Gas Systems;  
Have had extensive practical experience of QC testing of Medical Gases and Piped Medical Gas Systems;  
Be familiar with the requirements of this HTM;  
Be named on the Quality Controller (MGPS) register maintained by the NHS Pharmaceutical Quality Assurance Committee; and  
Undertake regular CPD in Medical Gases and MGPS. This would normally involve attending a refresher course at least every five years.

##### **1.2 Criteria for appointment as a Quality Controller (MGPS):**

Only individuals who have been appointed to the Quality Controller (MGPS) register may act as Quality Controller (MGPS).

Appointments to the Quality Controller (MGPS) register will be made **only** by regional quality control pharmacists.

Inclusion on the register will normally be sufficient to qualify an individual to act as Quality Controller (MGPS) for any hospital trust. However, the trust's chief pharmacist may exercise the option to specify, or otherwise limit, those registered as Quality Controller (MGPS) who may operate on their site.