

# Gas Safety Management Plan (Section A)

**Marine Academy JCC ACF ATC** 

17/04/2025

Produced to meet the requirements of the Gas Safety (Installation and Use) Regulations 1998

# **ESTABLISHMENT KEY PERSONALITIES (GAS) CONTACTS**

| Role   | Name                          | Tel No.                    | Email                           |
|--|-------------------------------|----------------------------|---------------------------------|
| Head of<br>Establishment                             | Brig (Retd) Neville<br>Holmes | 01392 256251               | wx-dev-ceo@rfca.org.uk          |
| Establishment's SHEF                                 | Lee S Davis                   | 01392 256251<br>(Option 3) | wx-dev-cqm@rfca.org.uk          |
| Establishments<br>4C's Coordinator                   | Scott Henshaw                 | 01752 261525               | wx-dev-bcoy@rfca.org.uk         |
| Senior DIO Estate<br>Representative or<br>Equivalent | Mark Cubitt                   | 07955 280440               | wx-est-hd@rfca.mod.uk           |
| Site DIO Estate<br>Representative or<br>Equivalent   | Kelvin Walker                 | 07508 130359               | wx-est-mgr2@rfca.mod.uk         |
| MMO Site Manager or equivalent                       | Scott Henshaw                 | 01752 261525               | wx-dev-bcoy@rfca.org.uk         |
| Gas Safety Manager (GSM)                             | Justin Westcott               | 07793 222820               | Justin.Westcott@vivodefence.com |
| Gas Responsible<br>Person (GRP)                      | Wayne Ashford                 | 07483 929760               | wayne.ashford1@vivodefence.com  |

The Content of this Gas Safety Management Plan (GSMP) have been Approved by the Gas Safety Manager:

| Signature: JP Westcott | Date: 17/04/2025 |
|------------------------|------------------|
|                        |                  |

#### **Authorisation for Implementation**

The content and format of this GSMP has been agreed and authorised for implementation by Defence Infrastructure Organisation Technical Services Principal Gas Engineer (DIO TS PGE) and a unique reference number has been generated to support this.

# Approved – J Obbard PGE – 26 January 2024

The Content of this GSMP have been agreed by the Senior DIO Estate Representative or Equivalent and future works following the findings will be supported:

| Signature: | M Cubitt | Date: 08/05/2025 |  |
|------------|----------|------------------|--|
|            |          |                  |  |

The content of this GSMP have been agreed by the Head of Establishment and future works following the findings will be supported

| Signature: | N Holmes | Date: | 08/05/2025 |  |
|------------|----------|-------|------------|--|
|            |          |       |            |  |

#### **REVIEWS AND AMMENDMENTS**

GSMPs are 'living documents' that should be subject to continual review and updating as required. Although the level of attention required will vary considerably depending on the size and complexity of each site, GSMPs should be reviewed at least once per quarter by the GRP, unless otherwise agreed by the PGE. Although it is likely that changes are not required at each review, the date of review and any changes made should be indicated on the tables below. The review of the GSMP will include a site visit to ensure that the site and the content of the GSMP remain valid. The reviews and amendments made will be deleted during the DIO TS three yearly review when the GSMP is re-authorised by the PGE.

| Date       | Page   | Amendment   |
|------------|--------|---|
|            | No.    |   |
| 21/06/2022 | All    | Initial Development   |
| 11/10/2022 | N/A    | No Amendments Required  |
| 16/01/2023 | N/A    | No Amendments Required  |
| 28/04/2023 | N/A    | No Amendments Required  |
| 19/07/2023 | ii & 1 | Updated HoE Details   |
| 31/10/2023 | N/A    | No Amendments Required  |
| 02/01/2024 | 4 & 6  | Added Measured Gas Pressures  |
| 15/04/2024 | N/A    | No Amendments Required  |
| 31/07/2024 | N/A    | No Amendments Required  |
| 18/10/2024 | ii, 2  | Updated HoEstates Details   |
| 18/10/2024 |        | GSM re-authorisation (previously authorised 02/01/2024)               |
| 15/04/2025 |        | Amended all key personalities and changed DNV details to VIVO details |
|            |        |   |
|            |        |   |
|            |        |   |
|            |        |   |
|            |        |   |

| Date       | Reviewed by  | Authorised by | Comments                              |
|------------|--------------|---------------|---------------------------------------|
| 21/06/2022 | M Fenwick    | Neville King  | Initial Review                        |
| 11/10/2022 | M Fenwick    | M Fenwick     | Quarterly Review                      |
| 16/01/2023 | M Fenwick    | M Fenwick     | Quarterly Review                      |
| 28/04/2023 | M Fenwick    | M Fenwick     | Quarterly Review                      |
| 19/07/2023 | M Fenwick    |               | Annual Review                         |
| 31/10/2023 | M Fenwick    | M Fenwick     | Quarterly Review                      |
| 02/01/2024 | M Fenwick    | N King        | Quarterly Review                      |
| 15/04/2024 | M Fenwick    | M Fenwick     | Quarterly Review                      |
| 31/07/2024 | M Fenwick    |               | Annual Review                         |
| 18/10/2024 | M Fenwick    | M Fenwick     | Quarterly Review                      |
| 18/10/2024 | Neville King | Neville King  | GSM re-authorisation                  |
| 24/01/2025 | M Fenwick    | M Fenwick     | DNV De-Mobilisation review / Handover |
| 15/04/2025 | W Ashford    | J Westcott    | Initial quarterly review              |
| 17/04/2025 | J Westcott   | J Westcott    | Initial review and approval           |
|            |              |               |                                       |
|            |              |               |                                       |
|            |              |               |                                       |

#### **FORWARD**

MOD, as a gas conveyor within Great Britain, has submitted an Exemplar Gas Safety Case (MOD GSC) to demonstrate compliance with the Gas Safety (Management) Regulations 1996 (GS(M)R). Maintenance Management Organisations (MMO's) are engaged who have the overall contractual responsibility to operate and maintain the gas network assets under their Contract, including the management of the safe flow of gas within the system and the provision of an emergency service. The MOD delegate specific duties to the MMO but accountability for gas safety on each site rests with the Head of Establishment.

Whilst gas downstream of the Emergency Control Valve (ECV) fall outside of the scope of (GS(M)R) similar criteria as those referred to above must be accommodated within an appropriate management system. The specific criteria required to adequately manage gas infrastructure downstream of the ECV are described in the Gas Safety (Installation and Use) Regulations 1998 (GS(IU)R).

The MOD GSC considers all parts of the MOD estates gas supply system that forms part of the gas supply network. This includes all parts of the MOD gas network from the Bulk Primary Meter Installation to the individual gas appliances and the safe release of the products of combustion. The MOD GSC considers primarily those matters that relate to the management of the safe flow of gas within the system and the provision of an emergency service for all aspects of the gas system.

Following initial approval of the Gas Safety Management Plans (GSMPs) by the DIO Principal Gas Engineer (PGE), the Gas Safety Manager (GSM) is required to reapprove this GSMP annually. GSMPs must be submitted to DIO PGE every three years for authorisation.

GSMP Section A document contains site specific details of the establishments utilisation infrastructure to assist with measures to ensure compliance with the GS(IU)R for installation pipework and associated components.

GSMP Section B documents contain site specific details and arrangements as a direct annex to the MOD GSC in line with the Gas Safety (Management) Regulations 1996 (GS(M)R).

GSMP Section C document contains site specific details and requirements of the establishment's LPG networks.

Although the legal status of this document applies in the UK only, the MOD apply the same requirements to the management of gas on its overseas estate, in accordance with the currently published Secretary of State's Health and Safety policy statement.

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#### 1 THE DUTY HOLDER AND ESTABLISHMENT LEVEL KEY PERSONALITIES

# 1.1. Gas Safety Case Duty Holder.

The duty holder for the MOD Gas Safety Case is the Permanent Under Secretary for Defence (PUS). However, day to day responsibility for the preparation and maintenance of the document is delegated to the DIO TS Head of Engineering and Construction, who also has the responsibility for managing the system in accordance with the Safety Case. PUS delegates maintenance responsibility to the Top-Level Budget Holders (TLB's), to manage safety of the gas network. The TLB's utilise MOD Contracts i.e. MMOs who have responsibility for maintaining the gas network on behalf of the MOD.

Name: Permanent Under Secretary

Address: Main Building

Horse Guards Parade

Whitehall London SW1A 2HB

# 1.2. DIO Technical Services Principal Gas Engineer (PGE).

The PGE assumes the role of Senior Authorising Authority which is a term used within the MOD to recognise the authority of the person responsible for overseeing the appointment of, and auditing Authorising Engineers (AEs). For Gas the AEs are replaced by Gas Safety Managers (GSMs).

Name: Jeremy Obbard

Address: DIO HQ

Whittington Barracks

Lichfield WS14 9TJ 1: 07748 903260

⊠: Jeremy.obbard100@mod.gov.uk

| 1.3. Establishment Persona  | . Establishment Personalities.   |                 |  |  |
|---|--|-----------------|--|--|
| Name of Establishment:  | Marine Academy JCC ACF ATC   |                 |  |  |
| Establishment Address:  | Marine Academy JCC ACF ATC Trevithick Road St Budeaux Plymouth Devon PL5 2AH |                 |  |  |
| Head of Establishment (HoE)  (This is the most senior MOD person identified, by the chain of command, as responsible for the establishment. The HoE holds accountability for ensuring site compliance with the requirements of GSMR | Name:<br>Position:<br>Organisation:<br>Address:                              | Chief Executive |  |  |
| and the MOD GSC, including this GSMP.)  | <b>1</b> 01823 217930 or 07850 655017 wx-ce@rfca.mod.uk                      |                 |  |  |

| Senior DIO representative or | Name:         | Mark Cubitt                      |
|------------------------------|---------------|----------------------------------|
| equivalent                   | Position:     | Head of Estates                  |
|                              | Organisation: | Wessex Reserve Forces' & Cadets' |
| (This may be the SEFM, but   |               | Association                      |
| will vary depending on the   | Address:      | Mount House                      |
| contract this establishment  |               | Mount Street                     |
| falls under)                 |               | Taunton                          |
|                              |               | Somerset                         |
|                              |               | TA1 3QE                          |
|                              | <b>2</b> :    | 07955 280440                     |
|                              | ⊠:            | wx-est-hd@rfca.mod.uk            |
|                              |               |                                  |

| 1.4. Maintenance Manage  | 1.4. Maintenance Management Organisation (MMO). |   |  |  |  |
|--|---|---|--|--|--|
| The MMO for this es  | tablishment is:                                 | VIVO  |  |  |  |
| Gas Emergency Helpdesk (Typically, MMO Helpdesk) (24 Hours)  Note: Please do not contact the general public National Gas Emergency Service for suspected gas escapes on RFCA infrastructure. | Organisation:                                   | VIVO Helpdesk Helpdesk 25 Goodlass Road Hunts Cross Liverpool L24 9HJ 0800 030 9320                   |  |  |  |
| Gas Safety Manager<br>(GSM)  | Name:<br>Organisation:<br>Address:<br>■:        | 000 ===0=0  |  |  |  |
| Gas Responsible Person (GRP)   | Name: Organisation: Address:                    | Wayne Ashford VIVO Building 147 Defence Munitions Ernesettle Lane Plymouth Devon PL5 2TX 07483 929760 |  |  |  |

| 1.5. Additional Gas Cont                    | 1.5. Additional Gas Contacts. |  |  |  |  |
|---|-------------------------------|--|--|--|--|
| Gas Supplier                                | Organisation: Address:        | 55-57 High Street Redhill Surrey RH1 1RX 01737 275 746                 |  |  |  |
| LPG Supplier                                | Organisation: Address:        | Not Applicable, no bulk LPG on site.                                   |  |  |  |
| Meter Asset Manager<br>(MAM)                | Organisation: Address:        | 6 Almondvale Business Park<br>Almondvale Way<br>Livingston<br>EH54 6GA |  |  |  |
| National Gas Emergency<br>Centre (24 Hours) | <b>2</b> :                    | 0800 111 999   |  |  |  |

#### 2 SITE SPECIFIC DETAILS

#### 2.1 Site Overview.

A brief description of the establishment and its current use. This should include how many separate sites are present and the number of buildings being supplied by gas.

Marine Academy JCC ACF ATC is a single site establishment with two buildings on site and one building supplied by gas – the Main Building. This building is supplied with gas direct from the EGDN network and has a MAM owned and operated gas meter and regulator.

The Joint Cadet Centre is occupied by the Devon ACF Marine Academy detachment and 2171 (West Plymouth) Squadron of the ATC.

The main building is used for office space, drill hall and Classrooms.

The site is generally unmanned day to day but can have around 30 people on site for parades.

#### 2.2 Natural Gas.

A brief description of the natural gas installations, including how many MOD networks are present, the number of buildings each MOD network supplies and how many buildings are supplied direct from the EGDN. This should also include any demarcations in place between stakeholders and responsibilities.

The gas supply to Marine Academy JCC ACF ATC is fed direct from the EGDN network on to site and there is a 25mm PE riser entering the plant room and running through the EGDN ECV to feed the single stream MAM owned and operated meter and regulator which supplies the installation pipework at 22.4mbar.

Single Supply Meter 01 – BK-G4M, S/N – G4K00303221501 6m3/hr, MPRN – 9168865702

The meter is located in the plantroom and there are 4 metres of 22mm copper pipework from the meter outlet to the domestic sized combi boiler (40 KW).

The demarcation point between EGDN and MAM responsibility is the ECV. The demarcation point between MAM and MoD responsibility is the meter outlet. There is only copper pipework on this installation.

## 2.3 LPG Gas.

A brief description of the LPG installations, including how many compounds are at the establishment, condition and make up of each compound, the number and size (kg) of vessels in each compound, the number of LPG MOD networks, the number of buildings supplied from the LPG MOD networks, how many buildings are supplied direct and not from an LPG MOD network. Details of the LPG pipework after the first stage regulator up to the building(s).

Note: The demarcation agreement between the LPG supplier and the MOD has been agreed and the MOD take responsibility from the outlet of the first stage regulator. The LPG supplier is responsible for the vessel, vessel associated components (excluding any earth bonding) pipework up to and including the first stage regulator.

No LPG on this establishment

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Establishment: Marine Academy JCC ACF ATC

# 2.4 External Installation Pipework.

A brief description of the external installation pipework (above or below ground) on each building. This is from the ECV to where it enters the building(s), the material, diameter, lengths, supports, conditions etc.

There is no external installation pipework.

## 2.5 Details of buildings served.

A list of the buildings being supplied by gas via an MOD network, LPG compound or directly from the EGDN and the usage of the gas (catering, hot water, heating, fire training, etc) at the building.

| Ser | Building Number | Building description                                  | Supplied by  | Gas usage           |
|-----|-----------------|---|--------------|---------------------|
| 1   | Main Building   | Office space,<br>Classrooms,<br>Stores,<br>Drill hall | EGDN Network | Heating, Hot water. |
|     |                 |   |              |                     |
|     |                 |   |              |                     |
|     |                 |   |              |                     |
|     |                 |   |              |                     |

#### 2.6 Additional details of buildings being served.

Any additional detail about a building that may be required or useful in an emergency or requires more details than captured above.

NOTE: This section is to be used to capture the Service Family Accommodation (SFA) properties where it is not practical to fit above.

| 1 1// 1 |  |  |
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#### 3 METER DETAILS

# 3.1 Primary Meter Details.

The following table describes the basic arrangement of the primary meter installation(s). (These are the responsibility of the MAM)

NOTE: More detail on the primary meters that supply MOD networks can be seen in the GSMP part B.

| Number of primary meter installations:   |            | 1 (EGDN Single Supply)                |               |  |                            |                    |          |                  |                       |
|--|------------|---------------------------------------|---------------|--|----------------------------|--------------------|----------|------------------|-----------------------|
| Matan Nama / ID                          | Supplying  |                                       | la a stiana   | Incoming<br>pressure tier<br>– HP, IP,<br>MP, LP | Outlet pipeline            |                    |          |                  | M E                   |
| Meter Name / ID                          | MPRN       | (MOD<br>network ID or<br>Bldg number) | location      |  | P tier – HP,<br>IP, MP, LP | Pressure<br>(mbar) | Material | Diameter<br>(mm) | - Max Flow<br>(M³ hr) |
| Single Supply Primary<br>Fiscal Meter 01 | 9168865702 | Main Building                         | In Plant Room | LP   | LP                         | 22.4               | Copper   | 22               | 6                     |
|  |            |                                       |               |  |                            |                    |          |                  |                       |
|  |            |                                       |               |  |                            |                    |          |                  |                       |
|  |            |                                       |               |  |                            |                    |          |                  |                       |
|  |            |                                       |               |  |                            |                    |          |                  |                       |

# **3.2 Utilisation Meter Details.** (meters supplied directly from the MOD gas network)

The following table describes the basic arrangement of the utilisation meter installation(s). (These are the responsibility of the MOD)

Number of utilisation meter installations: N/A – No MoD Network on Site

|                 |                     | Inlet pipeline |          |          | Outlet pipework |              |          |          |          |          |
|-----------------|---------------------|----------------|----------|----------|-----------------|--------------|----------|----------|----------|----------|
| Meter Name / ID | Being supplied from | P tier – HP,   | Pressure | Material | Diameter        | P tier – HP, | Pressure | Material | Diameter | Max Flow |
|                 | (MOD network ID)    | IP, MP, LP     | (mbar)   |          | (mm)            | IP, MP, LP   | (mbar)   |          | (mm)     | (M³ hr)  |
|                 |                     |                |          |          |                 |              |          |          |          |          |
|                 |                     |                |          |          |                 |              |          |          |          |          |
|                 |                     |                |          |          |                 |              |          |          |          |          |
|                 |                     |                |          |          |                 |              |          |          |          |          |
|                 |                     |                |          |          |                 |              |          |          |          |          |

#### 4 DIAGRAMS AND DRAWINGS

# 4.1 Line diagrams for building(s) internal gas installation pipework.

This section is to contain line diagrams for building internal installation pipework and associated components. This diagram should be fixed to the building at a practical and accessible location as well as within any associated document centres. It may be embedded as a PDF to this document for online use.

NOTE: Drawings are only required for commercial installations or for installation in commercial settings (non-domestic use). This may mean more installations than listed in IGEM/UP/2 Edition 3 (4.2.14), depending on the installations intended use.

| 10EIV/01/2 Edition 5 (4.2.14), depending on the installations interided use.                                   |               |  |  |  |  |  |  |
|--|---------------|--|--|--|--|--|--|
| Drawing Number   | Building      | Comments                                   |  |  |  |  |  |
| WX54-A-A3  | Main Building | Not to Scale Gas Installation Line Drawing |  |  |  |  |  |
|  |               | WX54-A-A3.pdf                              |  |  |  |  |  |
|  |               |  |  |  |  |  |  |
|  |               |  |  |  |  |  |  |
|  |               |  |  |  |  |  |  |
| 4.2 Additional drawings.  This section is to contain any additional drawings that may be required or may be of |               |  |  |  |  |  |  |

This section is to contain any additional drawings that may be required or may be of benefit to this GSMP or emergency procedures.

| Drawing Number | Building | Comments |
|----------------|----------|----------|
|                |          |          |
|                |          |          |
|                |          |          |
|                |          |          |
|                |          |          |

#### **5 GAS INCIDENTS**

# 5.1 Site reporting procedures for dealing with gas incidents.

This section is to contain the establishment's site-specific procedure for dealing with reports of gas incidents with regards the external installation pipework, internal installation pipework and equipment. Details of all individuals with responsibilities under this procedure should be included.

Procedure for an incident involving the gas installations on site:

- Call Vivo Helpdesk Team on <u>0800 030 9320</u> open 24 hours per day.
- The Helpdesk will in turn call National Grid <u>0800 111 999</u> to attend and make safe a gas incident.
- The Vivo Gas Responsible Person shall be informed immediately by the site personnel.

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# **6 GAS EQUIPMENT**

| 6.1 Equipment List.  |                    |   |                                |                     |                     |          |  |  |
|--|--------------------|---|--------------------------------|---------------------|---------------------|----------|--|--|
| This section is to include details of all the gas equipment being used at the establishment.   |                    |   |                                |                     |                     |          |  |  |
| Building<br>number   | Equipment location | Equipment type (make, model)                                | Serial Number                  | Appliance kW rating | Flue classification | Comments |  |  |
| Main Building  | Plant Room         | Worcester<br>Greenstar 38CDI<br>Classic ERP<br>Combi Boiler | 3730-554-002297-<br>7738100252 | 40                  | Room Sealed         |          |  |  |
| 0.0 Addis  |                    |   |                                |                     |                     |          |  |  |
| <b>6.2 Additional equipment information.</b> This section is to contain any additional equipment information that may be required or may be of benefit to this GSMP or emergency procedures. |                    |   |                                |                     |                     |          |  |  |
|  |                    |   |                                |                     |                     |          |  |  |
| Not Applicable   | е                  |   |                                |                     |                     |          |  |  |
|  |                    |   |                                |                     |                     |          |  |  |

#### 7 ANNEXES

# **CAD Gas Line Drawing**

