



Defence Infrastructure Organisation

Gas Safety Management Plan (Section A)

Bovington ARC ACF

07/04/2025

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

**(Gas Safety Management Plan (Section B) covers the requirements of the
Gas Safety (Management) Regulations 1996**

Unique Document Reference:

Establishment: Bovington ARC ACF

WX10-A-20230226

Issued by DIO TS PGE

ESTABLISHMENT KEY PERSONALITIES (GAS) CONTACTS

Role	Name	Tel No.	Email
Head of Establishment	LT Col EDL Hodges	01929 403774	Edward.Hodges675@mod.gov.uk
Establishment's SHEF	Major Rooney (Pete) QM	03001657749	pete.rooney882@mod.gov.uk
Establishments 4C's Coordinator	Major Rooney (Pete) QM	03001657749	pete.rooney882@mod.gov.uk
Senior DIO Estate Representative or Equivalent	Mark Cubitt	01823 217949 07955 280440	wx-est-hd@rfca.mod.uk
Site DIO Estate Representative or Equivalent	Kelvin Walker	01823 217942 07508 130359	wx-est-mgr2@rfca.mod.uk
MMO Site Manager or equivalent	Paul Wakeford	07356 101565	paul.wakeford@vivodefence.com
Gas Safety Manager (GSM)	Justin Westcott	07725 038039	justin.westcott@vivodefence.com
Gas Responsible Person (GRP)	Paul Macfarlane	07795 026662	Paul.macfarlane1@vivodefence.com

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

Signature: *JP Westcott*

Date: 07/04/2025

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 – 26th Feb 2023

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: *Ed Hodges*

Date: 25/06/2025

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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 No.	Amendment
15/12/2021	All	Initial development
10/03/2022	N/A	No amendments required
10/06/2022	2	Section 1.4 updated including RFCA Gas Emergency Helpdesk telephone number
10/06/2022	3	Updated section 1.5 including new gas supplier details
10/06/2022	9	New boiler details added
12/09/2022	ii	Updated change of HoE, SHEF and 4'C Coordinator details.
12/09/2022	1	Updated section 1.3 - change of HoE address and contact details.
09/01/2023	N/A	No amendments required
24/04/2023	N/A	No amendments required
24/07/2023	N/A	No amendments required
24/10/2023	N/A	No amendments required
11/01/2024	N/A	No amendments required
11/04/2024	4 (2.2), 6 (2.4)	Updated installation details
18/07/2024	N/A	No amendments required
18/10/2024		GSM re-authorisation (previously authorised 29/09/2022)
31/10/2024	ii	Updated change of SHEF and 4'C Coordinator and MMO Site Manager details
31/10/2024	ii and 2	Updated Head of Estate details
08/01/2025	9 (6.1)	Updated appliance status
04/04/2025	Various	Update contact list and all to reference VIVO as MMO

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Date	Reviewed by	Authorised by	Comments
15/12/2021	D. Cooper		<i>Initial development</i>
10/03/2022	D. Cooper		<i>Q1 review</i>
10/06/2022	D. Cooper		<i>Q2 review</i>
12/09/2022	D. Cooper	<i>Neville King</i>	<i>Q3 review</i>
09/01/2023	D. Cooper		<i>Q4 review</i>
24/04/2023	D. Cooper		<i>Q1 review</i>
24/07/2023	D. Cooper		<i>Q2 review</i>
24/10/2023	D. Cooper		<i>Q3 review</i>
11/01/2024	D. Cooper		<i>Annual review site visit</i>
11/04/2024	D. Cooper		<i>Q1 review site visit</i>
18/07/2024	D. Cooper		<i>Q2 review</i>
18/10/2024	<i>Neville King</i>	<i>Neville King</i>	<i>GSM re-authorisation</i>
31/10/2024	D. Cooper		<i>Q3 review</i>
08/01/2025	D. Cooper		<i>DNV demobilisation site review</i>
04/04/2025	Paul Macfarlane	<i>J Westcott</i>	<i>Review</i>
07/04/2025	J Westcott	J Westcott	<i>Initial review/approval</i>

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
☎:	07748 903260
✉:	Jeremy.obbard100@mod.gov.uk

1.3. Establishment Personalities.

Name of Establishment:	Bovington ARC ACF	
Establishment Address:	Fire Station, Allenby Barracks, Bovington, BH20 6JA	
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 and the MOD GSC, including this GSMP.)	Name: Edward Hodges Position: LT Col Organisation: MOD Address: The Royal Wessex yeomanry Allenby Barracks, Bovington, BH20 6JA ☎: 01929 403774 ✉: Edward.Hodges675@mod.gov.uk	

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Senior DIO representative or equivalent (This may be the SEFM, but will vary depending on the contract this establishment falls under)	Name: Mark Cubitt Position: Head of Estates Organisation: Wessex Reserve Forces' and Cadets' Association Address: Mount House Mount Street Taunton Somerset TA1 3QE ☎: 01823 217949 Mob: 07955 280440 ✉: wx-est-hd@rfca.mod.uk
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1.4. Maintenance Management Organisation (MMO).

The MMO for this establishment is:	VIVO
Gas Emergency Helpdesk (24 Hours) Note: Please do not contact the general public National Gas Emergency Service for suspected escapes on RFCA infrastructure	Organisation: VIVO Helpdesk 25 Goodlass Road Hunts Cross Liverpool L24 9HJ ☎: 0800 030 9320
Gas Safety Manager (GSM)	Name: Justin Westcott Organisation: VIVO Address: BLD 003 CTCRM Lympstone Nr Exmouth Devon EX8 5AR ☎: 07793 222820 ✉: Justin.Westcott@vivodefence.com
Gas Responsible Person (GRP)	Name: Paul MacFarlane Organisation: VIVO Address: Bld 39 Vivo Estates Office Hamworthy Barracks BH15 4NQ ☎: 07795 026662 ✉: Paul.macfarlane1@vivodefence.com

1.5. Additional Gas Contacts.






Gas Supplier	Organisation: TotalEnergies Gas & Power Address: 55-57 High Street, Redhill, Surrey, RH1 1RX. ☎: 01737 275 746 ✉: gp.redhill.ccs@totalenergies.com
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LPG Supplier	Organisation: Address:  :  :	Not applicable - no bulk LPG on site.
Meter Asset Manager (MAM)	Organisation: Address:  :  :	Energy Assets Ltd 6 Almondvale Business Park, Almondvale Way, Livingston EH54 6GA 0150 6405405 info@energyassetsnetworks.co.uk
National Gas Emergency Centre (24 Hours)	 :	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.

Bovington ARC ACF establishment has one building on site, which is supplied with gas from the low-pressure MoD Network. There are no individual EGDN supplies on this site.

The building (1) is used for Office Space, Kitchen, Drill Hall and a plantroom.

The site is currently an Army Reserve Centre. Day to day there are around twenty-seven people (staff) on site and there can be up to twenty Cadets on Tuesday and Thursday evenings for parade.

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 supplied to Bovington ARC ACF is fed from a SGN (EGDN) single feed low pressure network which supplies the site bulk fiscal meter. This feeds the MoD Low pressure network on site at 21.1 mbar which then supplies gas to one building.

The gas is used for catering, heating and hot water. There are no individual EGDN supplied buildings on site.

The MoD is responsible from the meter outlet valve (Demarcation point) of the primary meter up to and including the appliance in the plant room and kitchen.

Boiler Room

The plant room has three open flued boilers, and a room sealed fan flued boiler that are fed by 80mm steel.

Kitchen

The main building kitchen has a grill, and 1 cooker and fryer fed from 40mm steel pipe via PE external riser.

The installation pipework is not identified as gas throughout its full length.

There is Gas – vent safety interlock to ensure safe removal of products of combustion from the gas catering equipment.

It would appear that the network supply to the plantroom has been built over, trial holes will be required to confirm exact location of the supply. This was resolved in April 2024 by rerouting service, installing external ECV and extending installation pipework to plantroom.

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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.

N/A

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 9m of 88mm pressfit stainless steel which adequately supported and is in fair condition (new April 2024).

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	Offices, kitchen and gym.	MoD Network	Heating, hot water and catering.
2				
3				
4				
5				

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.

N/A.

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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							
Meter Name / ID	MPRN	Supplying (MOD network ID or Bldg number)	location	Incoming pressure tier – HP, IP, MP, LP	Outlet pipeline				Max Flow (M ³ hr)
					P tier – HP, IP, MP, LP	Pressure (mbar)	Material	Diameter (mm)	
U25 – A00991	8903023606	MoD Network 1	External GRP housing	LP	LP	21.1	Steel	50	25

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								
Meter Name / ID	Being supplied from (MOD network ID)	Inlet pipeline				Outlet pipework				Max Flow (M ³ hr)
		P tier – HP, IP, MP, LP	Pressure (mbar)	Material	Diameter (mm)	P tier – HP, IP, MP, LP	Pressure (mbar)	Material	Diameter (mm)	

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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 IGEN/UP/2 Edition 3 (4.2.14), depending on the installations intended use.

Drawing Number	Building	Comments
WX10-A-A3	Main building	 WX10-A-A3.pdf

4.2 Additional drawings.

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
WX10-B-A1	Network	 WX10-B-A1.pdf Network drawing to be updated due to alterations.

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 line on 0800 030 9320, open 24 hours per day.
- VIVO helpdesk will contact 0800 111 999
- The EGDN shall attend and make safe a gas incident.
- 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 number	Equipment location	Equipment type (make, model)	Serial Number	Appliance kW rating	Flue classification	Comments
Main building	Plant room	Worcester GB 162 V2 boiler	3290-180-000001-7736701038	50	Room sealed	New March 2022. Serviced 10/12/24 by MFM
Main building	Plant room	Hamworthy Purewell boiler1	N/A	113.8	Open flue	Data badge not accessible Isolated 17/10/22
Main building	Plant room	Hamworthy Purewell boiler 2	N/A	113.8	Open flue	Data badge not accessible. Isolated 17/10/22
Main building	Plant room	Hamworthy Purewell boiler 3	N/A	113.8	Open flue	Data badge not accessible Serviced 10/12/24 by MFM
Main building	Kitchen	Blue Seal 6 burner range	N/A	47.	Flueless	Data badge not accessible Serviced 18/12/24
Main building	Kitchen	Falcon 900SX grill	F336472	13.2.	Flueless	Serviced 18/12/24
Main building	Kitchen	Lincat Deep fat fryer	21631370	16	Flueless	Serviced 18/12/24

6.2 Additional equipment information.

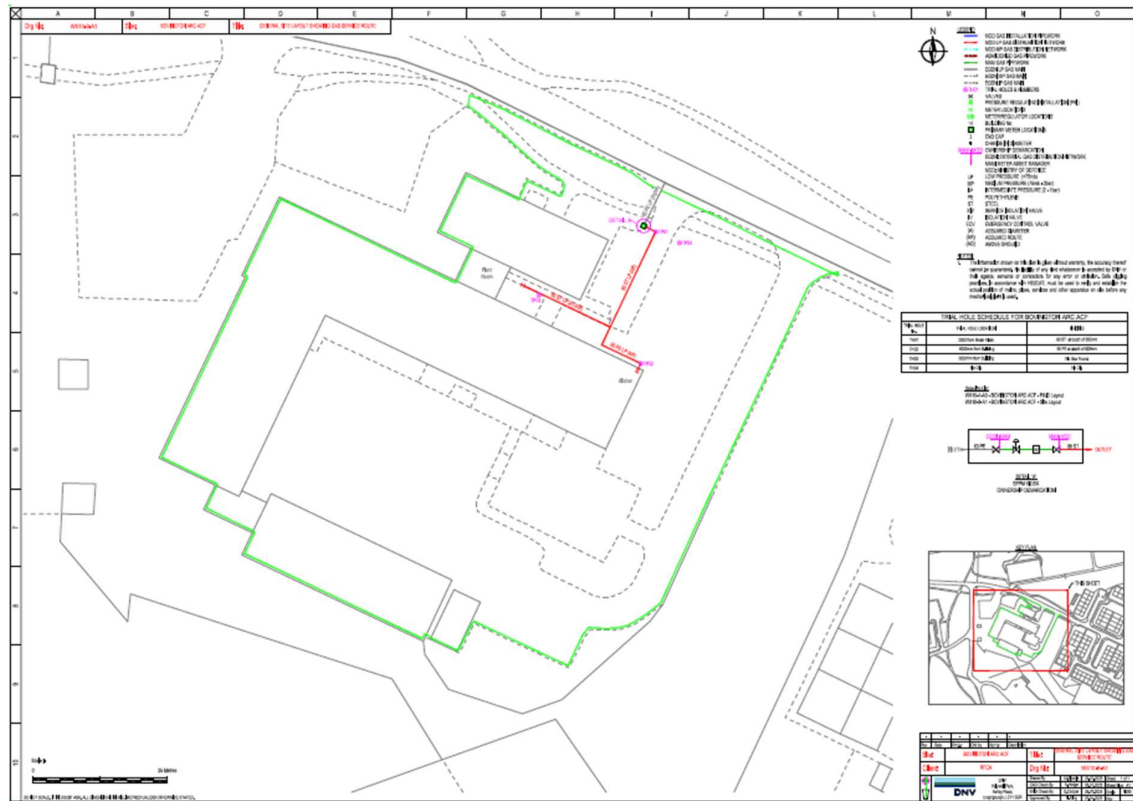
This section is to contain any additional equipment information that may be required or may be of benefit to this GSMP or emergency procedures.

Kitchen Canopy Gas Interlock is installed in main building kitchen, and emergency stop valve adjacent to kitchen door.

The main building plant room has an inline solenoid valve, which is believed to be fire alarm linked, unable to validate and test.

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Network drawing to be updated due to alterations