

Statutory basis: HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5 — this document is the recorded safe system of work. The Gas Safety (Installation and Use) Regulations 1998 govern the work: reg 3 restricts it to competent, Gas Safe registered persons; regs 5 and 6 materials and pipework; reg 18 pipework installation; reg 22 testing and purging of pipes after work and before gas is admitted; reg 26 appliance installation and commissioning; reg 33 testing of appliances. DSEAR 2002 applies to gas released during purging and to any leak. IGEN/UP/1 Edition 3 sets the procedure for commercial installations; PUWER 1998 governs the test rigs, gauges and tools used. Prepared against legislation current at 10/08/2026.

1 DOCUMENT AND PROJECT IDENTIFICATION

RAMS REFERENCE	PROJECT / SITE REF	SITE NAME AND ADDRESS	DATE PREPARED	NEXT REVIEW DATE
CLIENT / PRINCIPAL CONTRACTOR	PLANNED START	DURATION	OPERATIVES	SUPERVISING THE WORK

2 SCOPE OF WORKS

Installation and alteration of gas pipework from the emergency control valve to appliance isolation valves: materials and jointing to the regulations, routes and supports, sleeving through walls, ventilation of voids, isolation of the existing system where altered, tightness testing on completion.

This document does not cover: strength and tightness testing and purging of commercial installations as a task in its own right (KD-RAMS-GS-002) and appliance commissioning (KD-RAMS-GS-003).

SITE-SPECIFIC SCOPE, LOCATIONS AND LIMITATIONS

3 RISK ASSESSMENT — SCORE EACH RISK FOR THIS SITE, THEN ADD WHAT IS MISSING

The hazards and controls below are the starting point for this activity, written by a working main contractor. They are not complete for your site until a competent person has scored each risk, added the site-specific hazards, and struck out anything that does not apply. Rate risks High / Medium / Low before and after controls.

1. Uncontrolled release of gas — fire, explosion, asphyxiation

At risk: Operatives, occupants, neighbours

Controls: Gas Safe registered engineer for every gas task; installation isolated at the ECV and proved before work; tightness test after every break into the system; purge to open air with ignition sources excluded and the area controlled; gas detection in use.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

2. Gas work by a person not registered for that category

At risk: Occupants

Controls: Registration card checked against the category of work before the task starts — commercial catering, commercial pipework and domestic are different categories; no exceptions for "just the pipework".

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

3. Striking hidden services when drilling, cutting or fixing

At risk: Operatives

Controls: Check drawings and the services register, scan with a CAT before drilling or chasing into existing fabric, respect safe zones, and stop and reassess if an unrecorded service is found.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

4. Manual handling of pipe lengths, cylinders and boilers

At risk: Installers

Controls: Pipe in lengths that one person can control, or two-person; cylinders on a trolley and secured; boilers and water heaters moved on a stair-climber or by two, never lifted onto the wall by hand — lifting aid or bracket-first method.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

5. Work at height from steps, podiums and towers for high-level pipework, tanks and ceilings

At risk: Operatives

Controls: Podium or tower for anything above step height; steps only for short, low-risk tasks with three points of contact; no work from ladders on pipework or tanks.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

6. Slips, trips and housekeeping

At risk: Everyone in the work area

Controls: Keep the workplace clear, remove waste and offcuts as they are created, route leads at high level or under mats, and maintain task lighting.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

7. Hot works on or near live gas pipework

At risk: Operatives, occupants

Controls: No brazing or soldering on a live system; isolate, purge to air and prove gas-free before hot work; hot works permit where the site requires; extinguisher at the work.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

Site-specific hazards not listed above — every site has at least one:

HAZARD	WHO IS AT RISK	CONTROLS	INITIAL H/...	RESIDUAL...	ACTION OWNER	BY WHEN

4 METHOD — SEQUENCE OF WORK

- 01 Confirm the design, the appliance loads and the pipe sizing; check the engineer's registration category.
- 02 Isolate at the ECV where the system is live; tightness test the existing system before work to establish the baseline; cap and label.
- 03 Install pipework to the route: correct materials and joints, supports at the specified centres, sleeves through walls and floors sealed at one end, no pipework in unventilated voids or ducts without provision.
- 04 Connect to the existing system; tightness test the whole installation to reg 22; record.
- 05 Purge under KD-PTW-GP-026 where gas is admitted to new pipework; label the ECV and the meter.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

- Pipe bending and jointing tools
- Manometer / electronic gauge
- Gas detector

INSPECTION / THOROUGH EXAMINATION REFS

COSHH ASSESSMENT REFS

6 PPE — THE LAST LINE OF CONTROL, NOT THE FIRST

- Head protection
- Safety footwear
- High visibility
- Gloves — task-rated
- Eye protection
- Hearing protection

RPE TYPE, FACE-FIT STATUS, AND ANY OTHER PPE REQUIRED

7 PERMITS REQUIRED BEFORE THIS WORK STARTS

A permit authorises this work in that place, on that day. It extends the safe system of work in this document — it does not replace it (HSE HSG250). The site issues the permit; record its number before work starts.

KD-PTW-GP-026 — Gas Purge and Commissioning Permit

Before gas is admitted to new pipework.

PERMIT NUMBER

KD-PTW-HW-001 — Hot Works Permit

For brazing where the site requires a permit.

PERMIT NUMBER

8 EMERGENCY ARRANGEMENTS — COMPLETE FOR THIS SITE

FIRST AIDER AND LOCATION	NEAREST A&E	ASSEMBLY POINT
HOW THE ALARM IS RAISED	EMERGENCY ACCESS FOR THIS WORK AREA	SPILL / ENVIRONMENTAL RESPONSE

9 BRIEFING RECORD — EVERYONE WORKING UNDER THIS RAMS SIGNS BEFORE STARTING

By signing you confirm the contents of this RAMS have been explained to you, you understand the hazards and controls, and you will work to the sequence stated. Tell the supervisor if the work or the site does not match this document — work stops until it does.

NAME	COMPANY	SIGNATURE	DATE

10 PREPARED AND ACCEPTED

Prepared / adapted for this site by — I confirm I have adapted this document to the site, scored the risks, and that it describes how the work will actually be done.

PRINTED NAME	ROLE / COMPETENCE	COMPANY	SIGNATURE	DATE	TIME

Accepted for the site by — principal contractor or site manager review.

PRINTED NAME	ROLE	COMPANY	SIGNATURE	DATE	TIME

Review this RAMS if the work, the site or the law changes, and at least before each new phase of the works. Flatten the completed PDF before filing so the record cannot be silently edited.

R REVISION HISTORY

Every revision of this document, and every review that found nothing to change. The revision on the front of this sheet is the one you are holding — check kubitdocs.com for the current one before use.

Rev	Date	Class	What changed	Authorised by
D0	2026-08-28	first-issue	First issue.	— not yet approved —
A0	2026-08-29	review	Approved for issue by the author. Content unchanged from the draft; the draft status strip is removed. No independent third-party review has been carried out.	Author — director, UK principal contractor, SMSTS. Not an independent review.

Class: first-issue · material (the law, a control, a field or the scope changed — past buyers are notified) · editorial (wording or layout only) · review (checked, nothing changed) · withdrawal. Revision prefix D = draft, not approved and not for sale; A = approved for issue by the person named, on the date shown.