

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. IGEM/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

Strength testing, tightness testing and direct purging of commercial gas installations to IGEM/UP/1: written procedure, isolation, test medium, pressures and durations, purge to open air, end-point measurement, records.

This document does not cover: domestic installations tested to the domestic procedure within KD-RAMS-GS-001.

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. Stored energy in a strength test with air or nitrogen

At risk: Operatives

Controls: Strength test to the IGEM/UP/1 pressure only; exclusion zone during pressurisation; gauges calibrated; no tightening under pressure; depressurise before any adjustment (see also KD-PTW-PT-025).

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

4. Purge gas released in an enclosed plant room

At risk: Operatives, occupants

Controls: Vent to open air by a purge hose to a safe point; plant room ventilated; gas detection continuous; no ignition sources; occupants told; fire detection isolated under permit where it would respond.

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 HI...	RESIDUAL...	ACTION OWNER	BY WHEN

4 METHOD — SEQUENCE OF WORK

- 01 Write or confirm the IGEM/UP/1 procedure for the installation volume and test medium; check registration categories.
- 02 Isolate; blank appliances; fit gauges; strength test at the procedure pressure and duration; record.
- 03 Tightness test: let-by, stabilisation, test period; permitted drop against the procedure; record.
- 04 Direct purge to open air with the end-point proved by measurement; record gas and oxygen readings.
- 05 Issue the test and purge certificate; hand over to commissioning.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

Test rig, gauges (two for pneumatic), nitrogen

Purge hose and gas / oxygen analyser

INSPECTION / THOROUGH EXAMINATION REFS

COSHH ASSESSMENT REFS

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

Head protection

High visibility

Eye protection

Safety footwear

Gloves — task-rated

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
Always.

PERMIT NUMBER

KD-PTW-FI-023 — Fire Alarm and Detection Isolation Permit
Where detection in the purge area would respond.

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.