

DESIGN SUBMISSION REQUIREMENTS CHECKLIST

The following design submission details must be provided to National Grid Gas plc for validation prior to construction on site (with the exception of the Certification and Completion files). This applies to all pipework and associated apparatus intended for adoption by National Grid Gas plc. Certification and Completion file documents must be provided in accordance with the relevant contract Terms and Conditions. For service disconnections only, Items marked (D) are required.

	✓		
Designer		Working in vicinity of gas mains ²	
Name of Designer		Procedure for damage and/or gas escapes ²	
Designer Competence ¹		Pipelaying ²	
		Pipe jointing including Quality Control ²	
Site Plans		Pipe protection including corrosion control ²	
A location plan with site entrance (D)		Backfilling ²	
Detailed Site Plan (D)		Reinstatement ²	
Pipe sizes/lengths identified (D)		Calibration of testing machines ²	
Nodes marked and numbered on plan ³		Pressure testing ²	
		Installation of PRI ²	
Demand Details		Details of IGE/GL/5 Procedure (D)	
Details of individual customer loads ³		Details of Construction (Design and Management) Regulations 1994 (D)	
Details of diversity assumptions ³		Details of Environmental Study (D)	
Nodes/Demand Assignment ³			
Phasing of Demands ³		Quality Assurance	
		Are the following provided and acceptable	
Pressures		Company Policy on Quality i.e.ISO9000 ²	
Correct source pressure used ³		Competency of persons responsible for QA ²	
Pressure Drop ³		Audit Process ²	
Correct design Min Pressure used ³		Procedure for control of critical phases of construction ²	
Mains System extremity pressure (CSEPS only)		Procedure for Auditing of Equipment ²	
		Procedure for Material storage, quality and conformity checks ²	
Design Program		Procedure for the control of deviations/variations from validated design ²	
The analysis program used for design ¹		Procedure for conformity of PRI's and housing ²	
Pipe Diameters ¹			
Pipe Efficiencies ¹		Service Information	
Altitudes ¹		Pipe size of existing service (D)	
Gas Constants ¹		Service routes	
Gas Velocity ³		Termination position(s) (D)	
		Emergency Control Valve (D)	
Materials		Position for Fire Valves	
Specification of pipe & fittings ¹		Positioning of services governors (D)	
Proposed jointing system ¹		Meter Housing Ventilation Details	
		Standards Quoted ¹	
Construction Requirements			
Site Operative Competence ²		Mains Information	
Construction Method Statements		Mains route	
Risk assessments ²		Risk Assessments ¹	
Quality control of Materials ²		Are special crossings involved	
Procedure for defective materials ²		Have necessary Easement applications been made? (D)	
Site Investigation ²		Standards Quoted ¹	
Excavation ²			

If the UIP is registered under GIRS for Design then items marked 1 are NOT required. Additionally, where the standard design tables contained within T/SP/NP/14/E have been used, items marked 2 are also NOT required. If the UIP is registered under the GIRS Scheme for Construction/Commissioning/Connections (Routine) then items marked 3 are NOT required. Where a UIP does not hold a combined Design and Construction / Connections (Routine) / Commissioning GIRS registration, the UIP must be GIRS registered for Project Management and use GIRS registered sub-contractors. Otherwise, all items relating to the sub-contracted activity, Design 1 or Construction/Commissioning/Connections (Routine) 2 are required for the Design Submission.

		Certification of Transfer Rights (Excludes service disconnections) ²	
Mains Information		Quality control records ²	
Mains route		Variations (D)	
Risk Assessments ¹		Butt Fusion Printouts ²	
Are special crossings involved		Operatives Qualifications ²	
Have necessary Easement applications been made? (D)		Certification of Customer Works ²	
Standards Quoted ¹		Draft 'as laid' drawings (D)	
		GL5 Documents (if applicable) (D)	
MP/IP Supplies (PRIs)		Completed test certificate (on site at time of connection only)	
Capacity of Regulator/Governor		Meter Point Reference Number (MPRN) ²	
Velocity			
Settings of safety Devices		Completion File	
Zone Classification		The following should be provided	
Housing		As Laid Drawings (D)	
Corrosion protection		Correspondence File (where applicable) (D)	
Standards Quoted ¹		Valve Sketches and Records (where applicable)	
		Cathodic Protection (where applicable)	
Safety Requirements		Materials guarantees/warranty (where applicable) (D)	
Company Health & Safety Policy ²		NRSWA Closing Notices ²	
Management structure for dealing with technical & safety issues ²		Completed Test Certificate	
Roles & Responsibilities of Consultants or Contractors ²		Meter Point Reference Number (MPRN) (D)	
Procedure for working near to gas mains ²		DR8 Error report form (where applicable) (D)	
Procedure for actions to be taken in the event of a gas escape and/or damage ²			
Procedure for testing & purging ²		Connections &/or Service Disconnection by UIP/GT only	
		Organisations who wish to carry out the final connection to National Grid Gas Plc network must be accredited under the Gas Industry Registration Scheme (GIRS) for 'Design and Construction/Commissioning/Connections (Routine)' scopes and Connections (Non Routine) scopes where applicable.	
Certification File		Does the design include the Connection and/or Service Disconnection Design	
The following shall be provided		<=63mm LP connection/disconnection installer notification included with Certification (D)	
Materials Certification ² (D) (Exclusion only applies to <=2bar)		Routine/Non-routine Operations	
Easement Agreement or Form of consent (where required)		Method Statement for Connections and Disconnections (D) (Exclusion only applies to <=63mm LP) ²	
Planning Permission (excluding below ground pipes & where required)		Routine Operational Procedure – connections under T/PR/SC05 (D)	
NRSWA Opening Notices ²		Non Routine Operational Procedure – Connections under T/PR/SC04 (D)	
Consumer Permission Letter ²			

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