Briefing note

12 December 2025

Cadent

Your Gas Network

Update to pressure test validation for CSEP connections

iGT & UIP connections process briefing

Background & purpose of briefing

Audience & Contributors

Audience:
Cadent Competitive Market Connections
iGT & UIP customers
LRQA (as GIG 2 operator)

Contributors:
Cadent: Future Energy Connections, Engineering Services, & Legal Teams

Background

iGTs and UIPs are permitted to make connections to the Cadent network under the terms of the relevant connections contracts, providing they hold the required accreditation, and they adhere to industry and Cadent policies and specifications. Although in accordance with the terms of the Final Connection Agreement IGTs and UIPs are permitted to connect to the network without direct Cadent supervision, there is a requirement for Cadent to validate their design and clearance-to-proceed documentation prior to permission to connect being granted, and then their completion file documents after they have completed the connection*. The documentation required in the completion file is listed on Cadent's website here. One of the documents currently listed is the pressure test certificate, which evidences that the asset(s) has been pressure tested in accordance with IGEM TD3/4, as applicable.

*It should be noted that Cadent's validation of the iGT or UIP's documentation at the process stages listed above, does not relieve the iGT or UIP of its duties and liabilities for the safe design, installation, testing and commissioning of the asset, nor does it constitute confirmation that the asset shall be fit for a particular purpose. The iGT or UIP's Competent Person(s) shall be responsible, on behalf of the relevant iGT or UIP, for ensuring the safety, installation, testing, commissioning and fitness for purpose of the design. Further it should be noted that Cadent's validation of the documentation does not limit the liability the iGT or UIP has under the relevant connections contract(s).

Purpose

The purpose of this briefing is to advise of an amendment to the list of documents Cadent validates at the completion file stage, for CSEP connections only. Whilst Cadent will continue

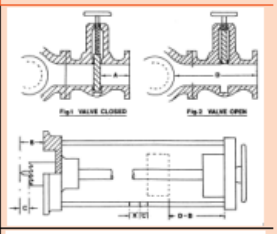
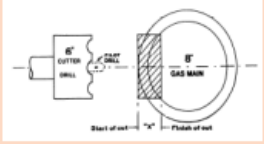
to validate pressure test certificates for assets installed for Cadent adoption, Cadent does not need to validate the pressure test certificate(s) of assets adopted by another gas transporter, ie an iGT. Therefore, Cadent does not require the iGT or UIP to include in the Completion File, the pressure test certificate for pipework adopted by an iGT. The only pressure test Cadent wishes to see evidence of for a CSEP connection, is the pressure test applied to a Branch Saddle, or Under Pressure Tee connection fitting, prior to it being connected to the Cadent parent main.

The below extract from CAD/PM/MSL/1 gives an example of an Installation Checklist / Report for PE Branch Saddle Connection (PE), which would serve as evidence for the requirement set above.

Installation Checklist / Report for PE Branch Saddle Connection (PE)

Team Leader:		Ops Job No:
Job Address:		
Site Operational Manager		Project No:
Equipment to be used:		Off-Take Size:
Parent Main Size:		
Pressure of Main: mbar/bar		
On Site Precautions Ensure correct permit/procedures on site prior to work		
		Tick Box below:
1. Carry out on site risk assessment & fix to job sheet		
2. Check safety of excavation including access & egress		
3. Ensure all safety equipment checked and on site		
Preparation Checks		
11. Check outside diameter of main		
12. Check fitting for suitability		
13. Required surface area of main cleaned / scrapped		
14. Assemble BS tee and valve to main		
15. Check current profile within tolerance		
16. Ensure BS tee and valve is adequately supported.		
17. BS Tee/valve connection tested to 350mbar / 3bar / 6bar / 10.5bar		
18. Undertake let-by test		
19. Indicate what type of valve has been installed		
20. Check excavation with gas detection instrument		
Drilling operation		
Carry out installation as per manufacturer's instructions		
Machine Type / Serial No. Used (Is this the drilling machine or pressure gauge?)		
Equipment return, please note any defects		
Comments:	Defect Number: (if applicable)	
Team Leaders Signature:	Date:	

Drill Travel Record

Dimension	Drill 1 distance	Drill 2 distance	Comments	
'A'				
'B'				
'C'				
'D'				
'X'				
(D-B) or (D+B)				
0.5 x Diameter (Y)				
Total Travel				

UPT and Valve Pressure Test

Note- 1st pressure test should be undertaken without the drilling machine fitted to check the integrity of the UPT and valve, 2nd test shall be undertaken with the drilling machine fitted. Refer to Table M 25.1 for pressure test requirements. The 3rd test is a retest if required.

Test Pressure	Time			Pressure Loss (mbar)	Pass / Fail	Signed
	On	Off	Duration			
1.						
2.						
3.						

Comments:

Valve 'Let-By Test'

Pressure gain (mbar)	Pass / Fail	Comments

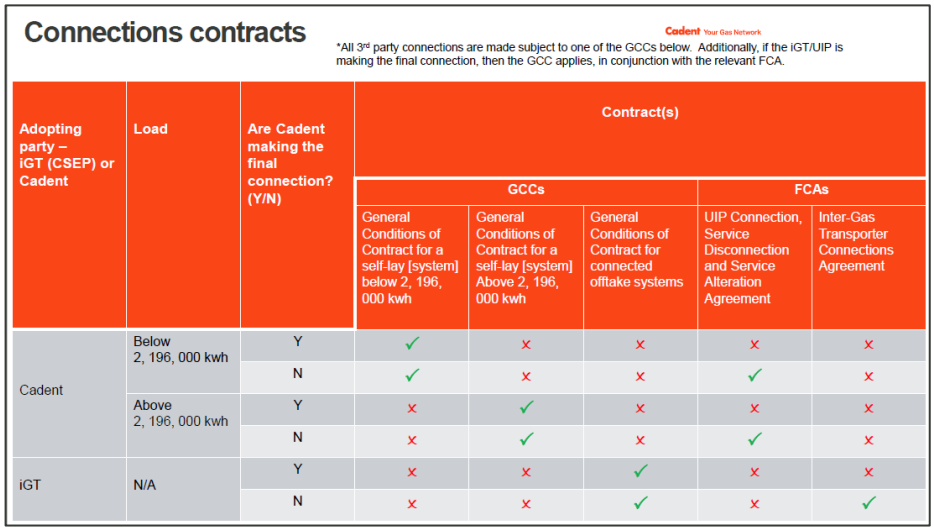
Signed: Date:

Figure M 25.1 – Installation Checklist / Report for Metallic Branch Connections

Other relevant documentation

- The industry procedure which covers completion file requirements for iGT & UIP installations is IGEM/TD/101
- The Cadent policy that governs this documentation validation is CAD/PM/RE/8
- The Cadent policy which covers pressure testing is CAD/PM/MSL/1
- The industry procedures which cover pressure testing are IGEM/TD/3 and IGEM/TD/4
- The contracts which govern iGT & UIP connections are as shown in Fig 1.

Fig 1 iGT & UIP Connections Contracts



Connections contracts

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*All 3rd party connections are made subject to one of the GCCs below. Additionally, if the iGT/UIP is making the final connection, then the GCC applies, in conjunction with the relevant FCA.

Adopting party – iGT (CSEP) or Cadent	Load	Are Cadent making the final connection? (Y/N)	Contract(s)				
			GCCs			FCAs	
			General Conditions of Contract for a self-lay [system] below 2, 196, 000 kwh	General Conditions of Contract for a self-lay [system] Above 2, 196, 000 kwh	General Conditions of Contract for connected offtake systems	UIP Connection, Service Disconnection and Service Alteration Agreement	Inter-Gas Transporter Connections Agreement
Cadent	Below 2, 196, 000 kwh	Y	✓	×	×	×	×
		N	✓	×	×	✓	×
	Above 2, 196, 000 kwh	Y	×	✓	×	×	×
		N	×	✓	×	✓	×
iGT	N/A	Y	×	×	✓	×	×
		N	×	×	✓	×	✓

Table 1: Table of Cadent's pressure test validation requirements by adopting GT and connection fittings used

Who is adopting the pipework & what is the connection fitting used	Detail of pressure test certification to be included in the completion file
Pipework adopted by Cadent – any connection fitting	Cadent will need to receive and validate the pressure test certificate for all pipework and other assets installed by the UIP
Pipework adopted by another GT (e.g. an iGT) & connection is a branch saddle	Cadent will need to see the Installation Checklist / Report for PE Branch Saddle Connections, which includes a BS Tee and Valve Pressure Test section
Pipework adopted by another GT (e.g. an iGT) & connection is an Under Pressure Tee / Encirclement Tee	Cadent will need to see the Installation Checklist / Report for Metallic Branch Connections, which includes a UPT Tee and Valve Pressure Test section
Pipework adopted by another GT (e.g. an iGT) & any other connection fitting	Cadent will not need to see or validate any pressure test certificates or evidence of pressure test carried out

Review

The list of completion file requirements will remain under review and will be communicated to the iGT & UIP community as required.

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