

NATIONAL CERTIFICATE in GAS NETWORK OPERATIONS
Level 3 (115 credits)
with optional strands in
Operations and Maintenance; and Field Auditing

COMPULSORY – The following standards are required

Unit	Unit Title	Level	Credit	Tick
9575	Understand the basics of cathodic protection in a petrochemical environment	4	2	✓
10981	Fit mechanical couplings in a gas distribution network	2	3	✓
10984	Cut, thread, and join steel pipes in a gas distribution network	2	3	✓
12450	Demonstrate knowledge of gas meters and correctors	2	3	✓
12507	Use gas leakage detection equipment on reticulated gas networks	3	5	✓
12510	Install and change domestic meters and regulators in a gas distribution network	3	6	✓
19549	Make temporary repairs of gas escapes in a gas distribution network	3	5	✓
19550	Restore supply after interruption to domestic gas consumer in a gas distribution network	3	5	✓
19552	Stabilise a gas emergency site and deal with a gas-filled building	4	16	✓
19555	Assemble, install, test, and commission a standard gas pressure reducing and metering station	3	10	✓
19557	Perform maintenance on a standard gas pressure reducing and metering station	3	10	✓
19560	Troubleshoot and rectify faults on a standard gas pressure reducing and metering station	3	20	✓
23084	Read and interpret gas metering equipment	3	4	✓
23088	Demonstrate knowledge of standard gas pressure control equipment	3	8	✓
23089	Relight gas appliances safely after disruption of supply from a gas network	3	12	✓
TOTAL OF 112 COMPULSORY CREDITS REQUIRED			112	

ELECTIVE – A minimum of 3 credits

Unit	Unit Title	Level	Credit	Tick
3272	Wear and operate breathing apparatus in general emergencies	3	3	
12526	Use fresh air distance breathing apparatus in a gas distribution network	3	3	

OPTIONAL STRANDS

Operations and Maintenance Strand

The following standards are required				
		Level	Credit	Tick
10975	Squeeze off a polyethylene pipe in a gas distribution network	3	6	✓
10980	Perform electrofusion jointing in a gas distribution network	3	3	✓
10985	Replace sections of polyethylene pipe and install fittings in a gas distribution network	3	8	✓
10992	Use pipe and cable locators in a gas distribution network	3	3	✓
11328	Gain approvals and implement notification procedures for works in a gas distribution network	3	3	✓
12503	Respond to and locate gas escapes in a gas distribution network	3	20	✓
12504	Perform and record walking leakage surveys in a gas distribution network	3	6	✓
12518	Check and maintain in-line valves in a gas distribution network	3	3	✓
19546	Perform a pneumatic pressure test and purge a main in a gas distribution network	3	8	✓
19547	Perform a pneumatic pressure test and purge a service in a gas distribution network	3	6	✓
19551	Inspect and advise on works in the vicinity of a gas distribution network	3	3	✓
20590	Test gas for odour level and odorant concentration in a gas network	3	3	✓
			72	

Field Auditing Strand

The following standard is required				
Unit	Unit Title	Level	Credit	Tick
19543	Audit worksite systems in a gas distribution network	3	4	✓
			4	

OPTIONAL STANDARDS

This qualification contains optional unit standards that are not required for completion of the certificate. However, these may be considered necessary for some employment contexts in the gas distribution industry.

The following standards are optional				
		Level	Credit	Tick
5628	Operate as a Site Traffic Management Supervisor (STMS) for low volume and Level 1 roads	5	3	
6400	Manage first aid in emergency situations	3	2	
9550	Perform basic pipe wrapping in a petrochemical environment	4	3	
9576	Carry out cathodic protection system monitoring in a petrochemical environment	4	3	
10968	Decommission and disconnect mains in a gas distribution network	3	8	
10969	Decommission and disconnect services in a gas distribution network	3	8	
10993	Use a Holiday detector in a gas distribution network	2	2	
12509	Install and test cathodic protection in a gas distribution network	4	7	
12518	Check and maintain in-line valves in a gas distribution network	3	3	
17588	Apply for, accept, and carry out work according to a work permit in the workplace	3	4	
17590	Issue worksite specific work permits	3	6	
17976	Demonstrate knowledge of operating a light four wheel drive (4WD) vehicle in an off-road environment	3	4	
20590	Test gas for odour level and odorant concentration in a gas network	3	3	
23087	Pig a pipeline in a gas network	3	4	

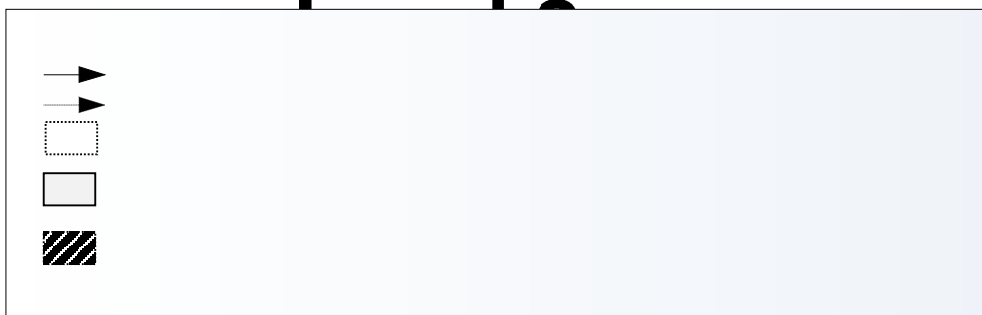
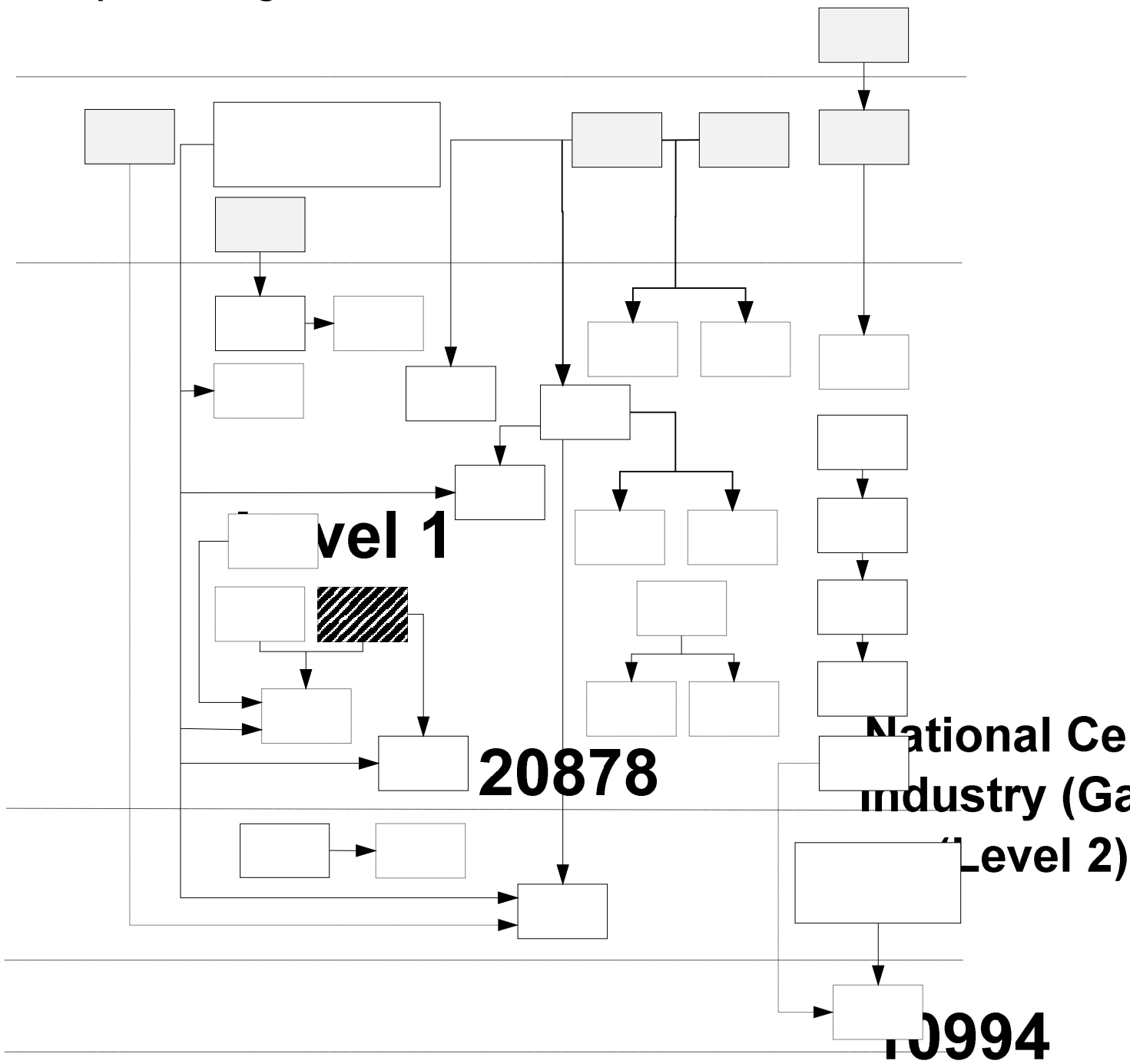
This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for expiring standards are **exempt** from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
9573	20590
10973	19547
12499, 12500	19552
12453, 12454	23084
12508	19551
12511, 12514	19555
12513, 12516	19557
12517	23088
12522, 19553	23088

People working in a gas pressure control context will require achievement of the compulsory and elective sections; people who repair gas networks will require the optional strand in operations and maintenance; and people who undertake audits may choose the optional field auditing strand.

For accreditation as an official industry auditor both strands are required.

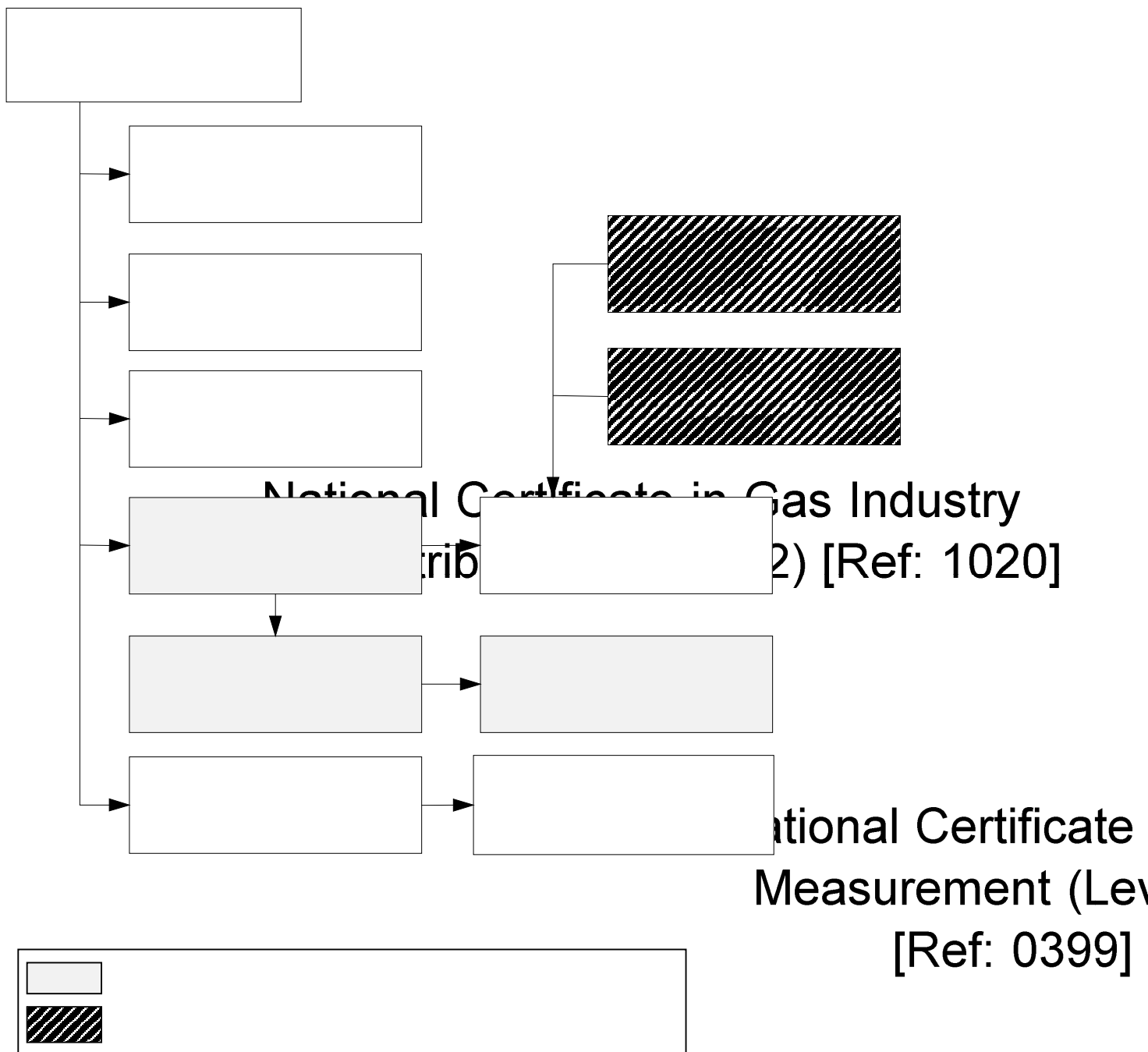
Prerequisite Diagram



10992

19543

Gas Industry Qualification Pathway



National Certificate in Gas
 Construction (Pipelaying)
 [Ref: 1022]

National Certificate in Gas