

Plumbing

- ◆ Intro to Plumbing
- ◆ ANZRA Agreement
- ◆ TRA Trade Recognition Australia
- ◆ Benchmarking occupational competencies.
- ◆ Gap training.
- ◆ NOLs National Occupational Licensing



Plumbing

❖ It Collects, Transports & Distributes water within a community

❖ It Removes Liquid Waste

❖ <http://apps.who.int/thelexicon/entry.php>

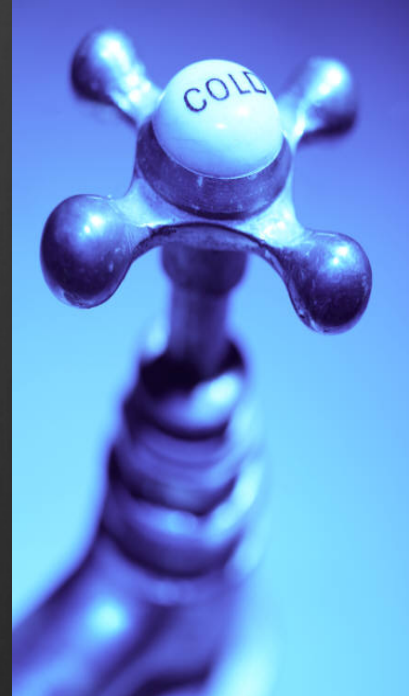


A Broader Meaning of Plumbing

- ❖ Drinking water systems
- ❖ Sanitary disposal Systems
- ❖ Drainage Systems
- ❖ Gas-fitting
- ❖ Medical Gases
- ❖ Roof Drainage systems
- ❖ Mechanical Services

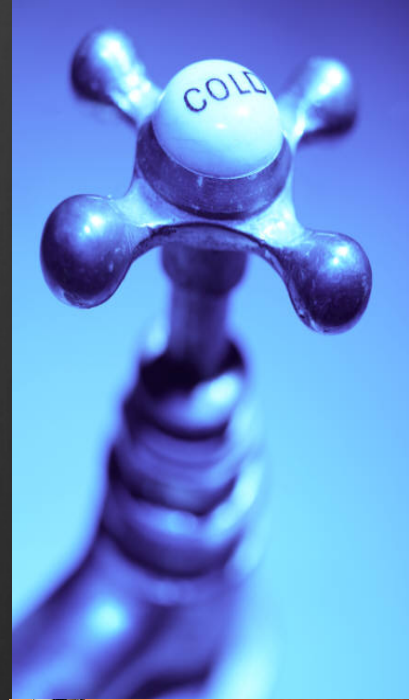


AUSTRALIAN AND NEW ZEALAND RECIPROCITY ASSOCIATION



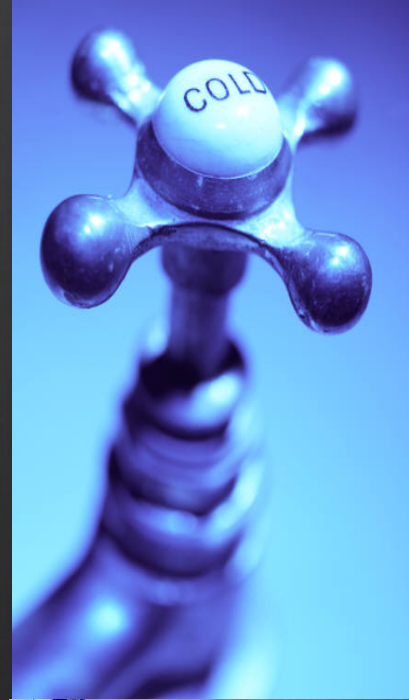
The Association was made up of Regulators of Plumbing and Gas fitting from each Australian State and Territory and New Zealand.

Gas fitting was represented by the Gas Technical Regulators Committee



THE ASSOCIATION HAS BEEN IN EXISTENCE FOR MORE THAN 50 YEARS.

- ❖ It encourages the adoption of uniform standards of qualifications and practices within the Industry to ensure protection of Public Health, Safety and the Environment.



Regulated Classes of Plumbing in Australia and New Zealand

- ❖ DRAINAGE
- ❖ WATER SUPPLY
- ❖ SANITARY
- ❖ GASFITTING
- ❖ ROOFING
- ❖ MECHANICAL SERVICES



Agreed ANZRA Registrations

- ❖ PROVISIONAL REGISTRATION Cert III
- ❖ REGISTRATION Cert III
- ❖ LICENCE OR INDEPENDENT CERTIFIERS Cert IV



Aims

- ❖ To support consistent examination and assessment requirements for Registration and Licensing
- ❖ To keep a register of International Plumbing qualifications and compare them to the current Australian and New Zealand Standards.



ANZRA Skills Recognition Documentation

- ❖ Austria
- ❖ Canada & Ontario
- ❖ Denmark
- ❖ France
- ❖ Germany
- ❖ Hong Kong
- ❖ Hungary
- ❖ Ireland
- ❖ Malaysia
- ❖ Netherlands
- ❖ Poland
- ❖ Scotland
- ❖ Singapore
- ❖ South Africa
- ❖ Switzerland
- ❖ United Kingdom
- ❖ Zimbabwe



Occupational licensing & mitigation of public risks:

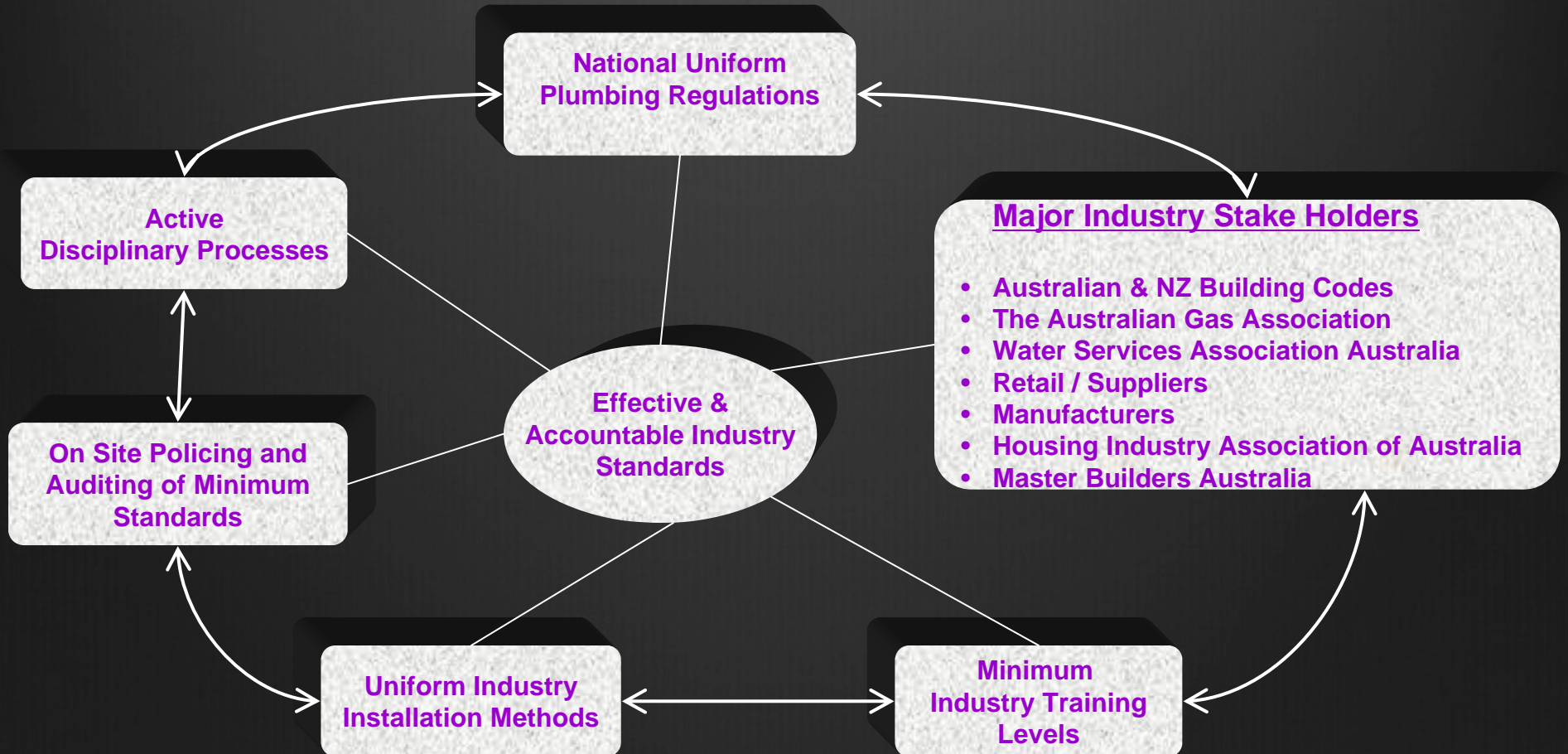
- ❖ public health and safety.
- ❖ occupational health and safety.
- ❖ consumer protection.
- ❖ environmental protection.



Some Plumbing Regulatory Options



Effective Plumbing Regulation



Benchmarking Competencies to the Australian Qualification Framework

- ❖ AQF Levels 1 to 10 which is a Doctoral Degree
- ❖ AQF Level 9 Masters Degree
- ❖ AQF Level 6 Advanced Diploma
- ❖ AQF Level 5 Diploma
- ❖ AQF Level 4 Certificate IV Plumber Certifier
- ❖ AQF Level 3 Certificate III Plumber Journeyman or Registered
- ❖ AQF Level 2 Certificate II Pre Apprentice Secondary School

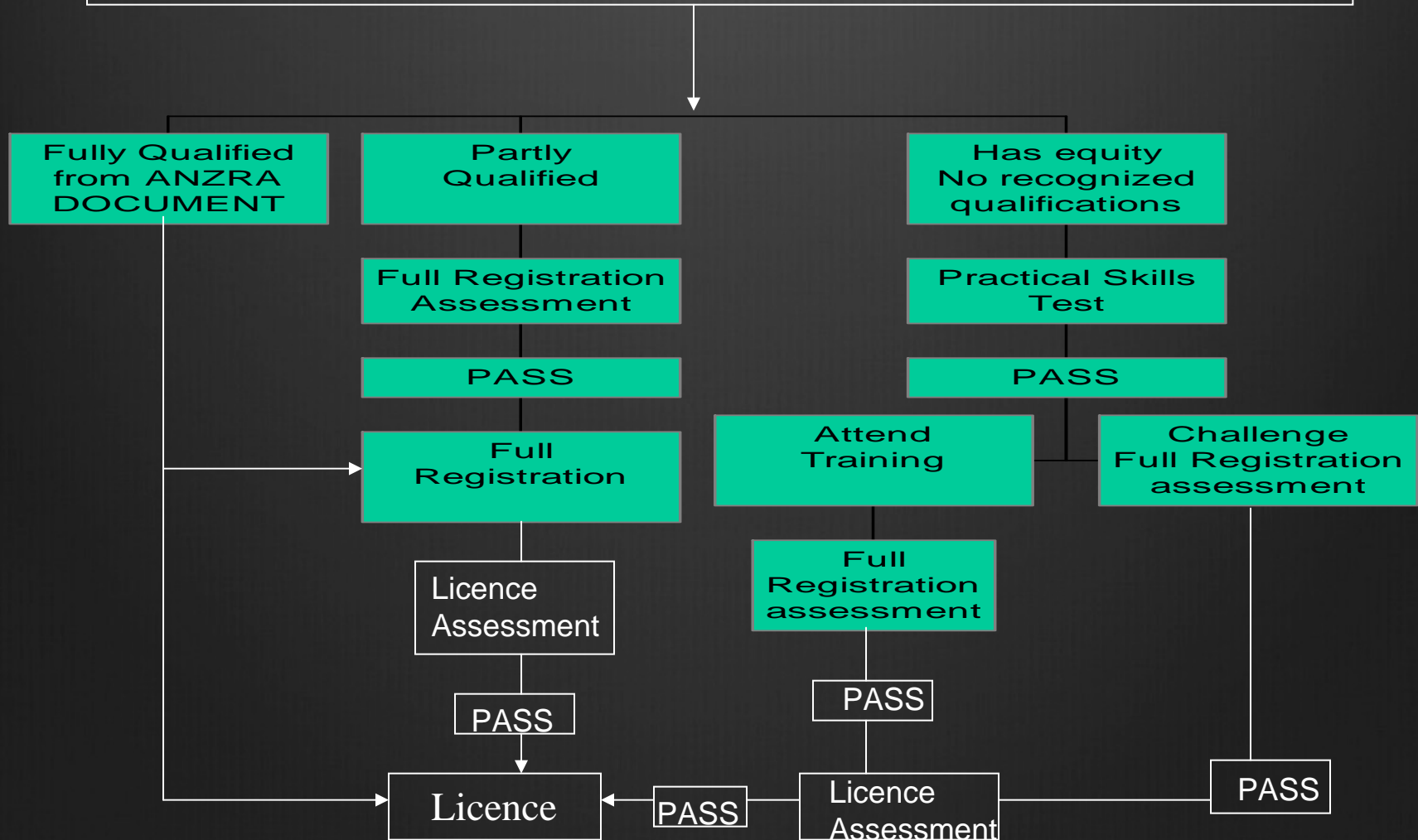


National Competencies History

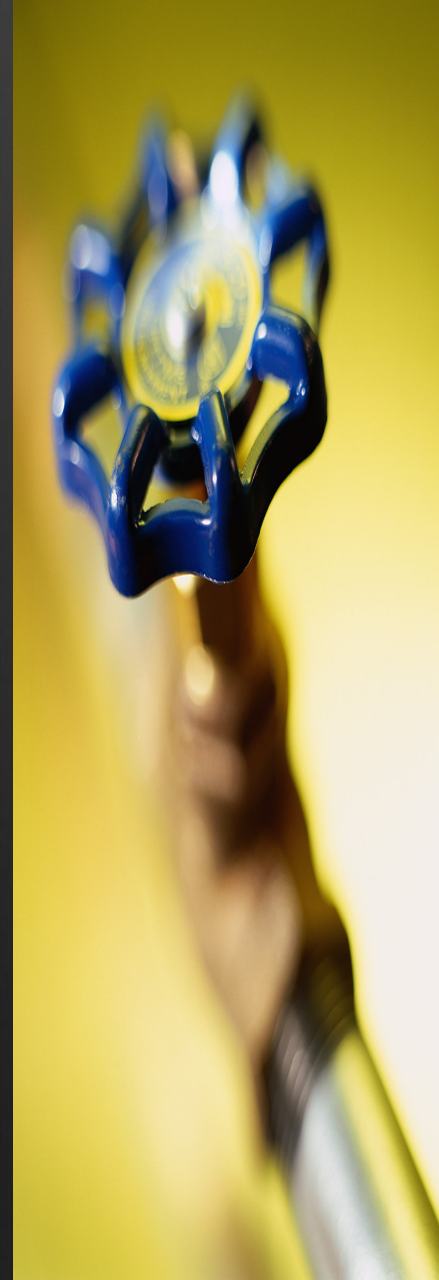
- ❖ National training design for consistency across all States and Territories 2004
- ❖ Designed to deliver consistent benchmark for overseas candidates
- ❖ Enabled a benchmark for partially qualified plumbers
- ❖ Also enabled the recognition of prior learning to be established for those other persons requiring assessments



Qualification Experience Review Process



TRA Skills Recognition Process



Trades Recognition Australia

- ❖ Operational for Licensed Occupations - Plumbing and Electrical and also a number of other areas requiring recognition.
- ❖ Skills Assessment mainly completed in country of origin.
- ❖ Two agencies appointed to conduct the assessments.
- ❖ Issued with an Offshore Technical Skills Record (OTRS).
- ❖ This is agreed by COAG to be an entry to a Registration Level.
- ❖ Gap Training is also an additional requirement of this process.
- ❖ In the fine print further assessment may be required.



OVERSEAS CANDIDATES

ASSESSED BY
TRADES
RECOGNITION
AUSTRALIA

GENERAL

GASFITTER

SUPERVISOR
PLUMBER



GAP TRAINING

- ❖ STANDARDS AND REGULATIONS
- ❖ S I UNITS
- ❖ OH & S REQUIREMENTS (White Card)
- ❖ LEGISLATIVE REQUIREMENTS



SELECTED COMPETENCY ASSESSMENTS

*For Candidates who are partially qualified *

i.e. Registered Gas Installers

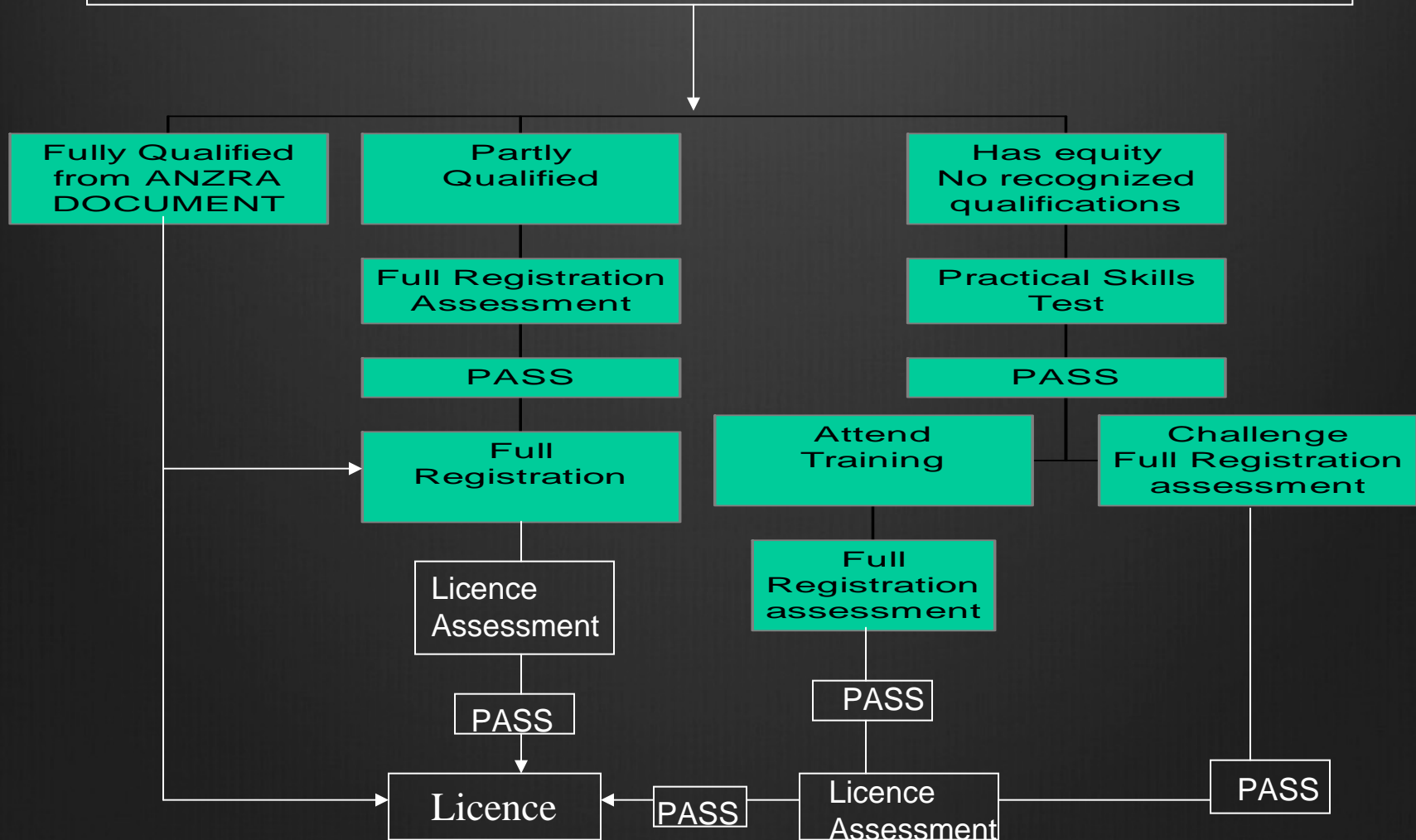
DOMESTIC	NG	LPG	NON DOMESTIC	NG	LPG
Pipe work	Oct 2000		Pipe work	x	
Cookers	x		Pipe work Commissioning		x
Fires	x		Catering	x	
Water Heaters	x	x	Laundry	x	
Central Heating	x		Air Heating		x
Warm Air	x		Water/Central Heating		x
Tumble Dryers	x				
Leisure Equipment	Oct 2000	Oct 2000	Meters	x	
Meters			Appliances/Plant	x	
Boats					
Caravans			OTHERS		
Vessel/Undgnd Pipe work	x				

SELECTED COMPETENCY ASSESSMENTS

* Registered Gas Installers

DOMESTIC		NG	LPG	NON DOMESTIC		NG	LPG
Pipe work	x			Pipe work			
Cookers				Pipe work Commissioning			
Fires				Catering			
Water Heaters				Laundry			
Central Heating	x			Air Heating			
Warm Air				Water/Central Heating			
Tumble Dryers							
Leisure Equipment				Meters			
Meters				Appliances/Plant			
Boats							
Caravans				OTHERS			
Vessel/Undgnd Pipe work							

Qualification Experience Review Process



<u>1</u>	<u>2</u>	<u>3</u>
Common	Common	Common
Water	Water	Water
Sanitary	Sanitary	Sanitary
Drainage	Drainage	Mechanical
Gas fitting	Gas fitting	Gas fitting
	Roofing	Roofing
1000 Hrs.	1200 Hrs.	1300 Hrs.



<u>4</u>	<u>5</u>	<u>6</u>
Common	Common	Common
Water	Water	Water
Sanitary	Mechanical	Roofing
Mechanical	Gas fitting	Drainage
Gas fitting	Sanitary	Sanitary
Roofing		Gas fitting
Drainage		
1450 Hrs.	1200 Hrs.	1100 Hrs.



NOLS, Classes of Plumbing

. Categories of Plumbing / Air Conditioning

- Drainer
- Fire protection
- General gasfitter
- Mechanical services
- Sanitary plumber
- Water plumber
- Gasfitter type B appliance
- Refrigeration and Air Conditioning



Solutions or Failures

- ❖ ANZRA documentation continues to deliver for Australian and New Zealand regulators & plumbers.
- ❖ The incomplete mapping of skill documentation from other destinations continues to be a major problem.
- ❖ The non co-operation between some Australian States and Territories continues to deliver unsatisfactory and unfair outcomes.
- ❖ The new scheme driven by Trades Recognition Australia (TRA) is problematic, it should be redesigned or scraped.
- ❖ National Occupational Licensing may reform the national issues but is unlikely to address the existing skill recognition issues for intending migration of workers in the Plumbing industry.

