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/lexicon/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

- **Quassi Regulatory Approach**
  - Incremental option where limited regulation exists
  - Full oversight or inspection required

- **Prescriptive Regulatory Approach**
  - Safe option where the workforce skill levels are limited
  - High Level of inspection required

- **Performance & Deemed to Comply**
  - Good skill levels required
  - Delivers flexibility with guidance
  - Some self certification available

- **Performance Based Approach**
  - Requires and accountable skilled workforce
  - A system of audit with inspection

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Australia & New Zealand
National Uniform Plumbing Regulations

Active Disciplinary Processes

On Site Policing and Auditing of Minimum Standards

Uniform Industry Installation Methods

Effective & Accountable Industry Standards

Effective Plumbing Regulation

Major Industry Stake Holders
- Australian & NZ Building Codes
- The Australian Gas Association
- Water Services Association Australia
- Retail / Suppliers
- Manufacturers
- Housing Industry Association of Australia
- Master Builders Australia

Minimum Industry Training Levels
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

- Fully Qualified from ANZRA DOCUMENT
- Partly Qualified
  - Full Registration Assessment
    - PASS
    - Full Registration
      - Licence Assessment
        - PASS
      - Licence
        - PASS
  - Practical Skills Test
    - PASS
- Has equity No recognized qualifications
  - Challenge Full Registration assessment
    - PASS
    - Licence Assessment
      - PASS
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

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**OTHERS**
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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.