



HANGA-ARO-RAU
**Manufacturing, Engineering
and Logistics**
Workforce Development Council

Hanga-Aro-Rau

Your Industry Voice

Why Workforce Development Council

- **ROVE (Reform on Vocational Education)- on-going**
- Formation of Workforce Development Councils
- Government focus on industry engagement
- Allow: ITO's to focus on programme formation, delivery and student support
- Additionally: allow industry to create fit for purpose qualifications

Hanga-Aro-Rau

- **Hanga Aro Rau – Manufacturing, Engineering and Logistics.**
- Hangarau or Engineering - to design and plan a product
- Hanga or Manufacturing - to produce the product
- Arorau or Logistics – to transport the raw materials and finished products

We are one of Six Workforce Development Councils

- **Hanga-Aro-Rau – Manufacturing, Engineering and Logistics**
- Waihanga Ara Rau – Construction & Infrastructure
- Muka Tangata – People, Food and Fibre
- Ringa Hora - Services
- Toi Mai – Creative, Technology, Entertainment
- Toitū te Waiora – Community, Health, Education and Social Services

Functions of Hanga-Aro-Rau

- Skills Leadership
- Qualifications and standards setting
- Quality Assurance (Moderation)
- Attracting new people into engineering; retaining them; and creating vocational pathways to support this.
- Increasing diversity- more women and Māori into engineering (as a focus); but also other underserved learners.

Who is Hanga-Aro-Rau?

Hanga-Aro-Rau is the Workforce Development Council (WDC) for the Manufacturing, Engineering and Logistics industries.

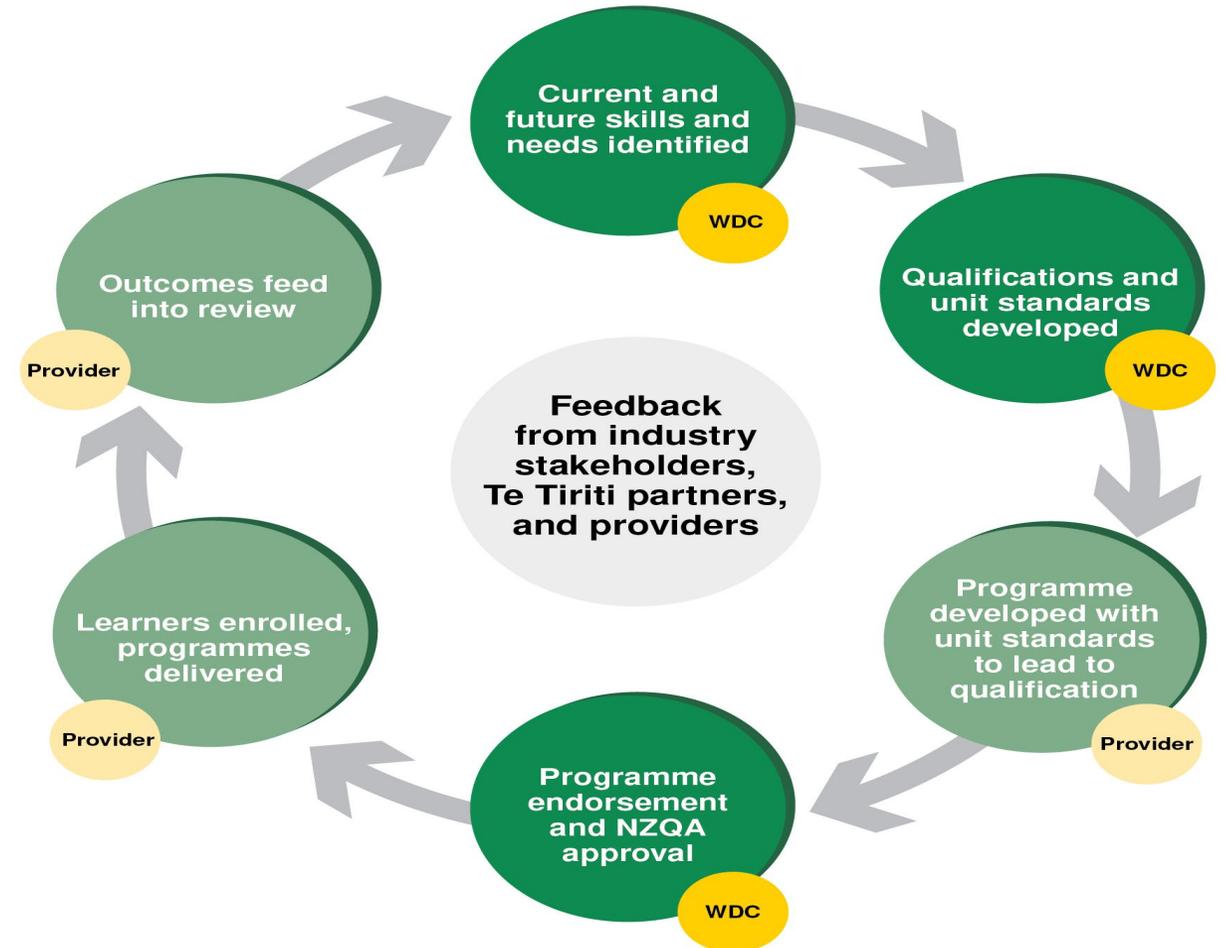
Hanga-Aro-Rau's role is to:

- Work with industry and employers to understand the skills industry needs
- Lead the development of industry qualifications, set and quality assure industry standards, and endorse vocational education programmes prior to NZQA approval.

What does the provider do?

The provider's role is to:

- Sign up learners
- Conduct pastoral care for learners
- Develop and manage assessments
- Deliver programmes to give learners relevant skills.



What are the issues in attraction to industry at present?

- Lack of knowledge at high school level;
- school education advisors- focusing still on university based pathway
- NEED to have awareness of pathways in engineering (vocationally)

- WDC has team (VPA- Vocational Pathway Advisors) working with businesses and high schools at present

- Current issue: high schools funded to keep kids until University Entrance (no incentive for them to discuss engineering trade related activities)

- Also: no funding for trade academies in schools

- At present: 8 schools nationwide with trade academies (self and community funded)

What are working on at present?

Approved:

- CNC product (likely to be split into operation/programming/setting-with streams from there)
- Fluid Power qualification: for both hydraulics and pneumatics
- Lift mechanic/Ropeways product
- Level 3 and 4 welding qualification (on framework)

In process of development:

- Robotic Welding product (40 plus companies keen)(starting early '24)
- Truck/Trailer manufacturing/specific strand (heavy fabrication)
- Hydrogen specific qualification product
- IQP specific qualification product

IQP specific product process

Process to date

Mid 2022: Association of Building Compliance approach to Hanga Aro Rau

Fourth Quarter 2022: qualification product proposal written for Hanga Aro Rau Academic Committee (Roopu) (based on Auckland IQP register)

First Quarter 2023: Qualification product development formally approved by Hanga Aro Rau Academic Committee (Roopu)

Present: awaiting release of Association of Building Compliance/MBIE IQP 'handbook'

IQP specific product process

Once release of 'handbook' occurs:

- Creation of Technical Advisory Group (TAG) to look at key outcomes of qualification; and specific standards
- Composition of group: combination of construction sector figures and Fire Protection figures (to give wide industry view on requirements)
- Work closely with providers (ie Competenz or PTE (Private Training Establishments) to ensure practical programme of learning
- Key: for ABC, FPANZ and other organisations to work together on qualifications and programme delivery (particularly relevant post Loafers Lodge).

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