Pathways to Automation

Role of Industry
Inform the Collaboration of industry skill and competency requirements needed for current and future employees. CME to coordinate and facilitate industry input into Horizon 1 (Resources Sector Industry VET Collaboration).

Role of Education
TAFE to develop qualifications, coordinate accreditation process and coordinate the deployment and delivery of the qualifications to students in VET in School, TAFE – regionals and metropolitan TAFEs. Education lead SM TAFE proposed to coordinate and facilitate all the education activity for the Collaboration.

Role of State Training Board
Champion the work of the Collaboration throughout horizons and across industry sectors.

Role of Government
Support the establishment of the VET Collaboration and provide connection to relevant wider government initiatives. Navigate engagement with other government agencies to help expedite successful outcomes for collaboration participants.
# Innovation with Automation

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40% of employment to be disrupted by automation in the next 10 – 15 years
Minister Announces Partnership

Minister Sue Ellery announces the industry training partnership to future proof WA jobs. October 2017

WA VET Collaboration Breakfast Launch

Launch of the WA VET collaboration. Minister announced Jim Walker as chair of collaboration. Beginning of the formation of this soon to be named collaboration.
Scitech April 2018

Visioning Workshops

This visioning workshop was a key opportunity for Industry, SM TAFE, education & government partners to shape the critical success factors for the automation qualifications to ensure WA is successfully equipped for workforce needs.
July 2018

Automation Qualification Working Group Meetings

For each automation qualification, a working group comprised of industry, government, education and training representatives began work
August 2018

Curriculum Development & Accreditation Process

Pilot Commences

Cert II pilot with Year 11 students commences with 3 metro and 1 regional school
September 2018 - Current

AUGUST 2018

For each automation qualification, a working group comprised of industry, government, education and training representatives began work
August 2018

CURRICULUM DEVELOPMENT & ACCREDITATION PROCESS

JULY 2019

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September 2018 - Current

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APRIL 2018

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OCTOBER 2017

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OCTOBER 2017
The journey for skills in an automated environment

Entry level program (VETiS and Existing Workers)  
*Certificate II*

Micro-credential (existing workers)  
*Understand Automation and Work in an Automated Environment*

Certificate IV in Control Centre Operations  
*Foundation and Specialised Pathways*
Automation Working Group Process

To think outside the box… you need a box

Collaboration

Critical Thinking

Creativity
Automation Working Group Process

Collaboration

Critical Thinking

Creativity
“Robust discussion has been good – diverse group which has assisted being able to land on a good product.”

“Learned the shared passion in the industry to help those within and those that want to enter.”

“Proud of what we created and the team we met. Also proud of the TAFE system in WA and how they are helping our State move forward.”

“Learned there are – similarities between the industries, the same needs we all have.”

“Being part of an amazing group who have all come to the table with passion, wanting to do the right thing, results for all industries, the collaboration has been a terrific experience.”

“Industry working together has showed what can be achieved.”

“Enjoyed the collaboration and the creative thinking when bringing the diversity of the industry together. A better product was made due to the collective minds.”

“Internal leaders needed to be more engaged. I believe they are waiting to see outcome of this project first. Thanks Rio for taking the lead.”

“Reflective of what we as an industry have been through.”
Rio Tinto invests in Australia’s autonomous future

Two new automation courses to be offered in WA

Rio Tinto invests in Australia’s first ever nationally recognised automation qualifications to help prepare its employees and the wider workforce for the STEM-based jobs of the future

Rio Tinto provides funding for Australia’s first automation course

Training Today For The Jobs Of Tomorrow

Jobs are changing, and fast. Here’s what the VET sector (and employers) need to do to keep up.
SM TAFE leading the way