

Work Plan September 2015

	INITIATIVE	LEAD	INDICATORS OF SUCCESS	MEASUREMENT	2015												2016											
					JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC					
EDUCATIONAL DELIVERY	SECONDARY/TERTIARY: TECHLINK PATHWAYS PILOT This pilot programme aims to generate interest in engineering as a career by developing programmes of study that offer secondary students a flavour of engineering and engineering study. It involves Weltec, Wintec and Otago Polytechnic and schools in each of these regions. The pilot is being conducted over a nine month period starting in April 2015.	ITPs Secondary Schools	<ul style="list-style-type: none"> Examples of collaboration between ITPs and secondary schools that can be utilised by other schools and ITPs and which lead to increased engineering enrolments. 	BY DECEMBER 2015: <ul style="list-style-type: none"> Published examples More ITPs and schools indicating their willingness to take part in 2016 Participating students enrolling in engineering study BY 2018: <ul style="list-style-type: none"> Increased diversity in student body 	TECHLINK PATHWAYS PROJECT PILOTS Hamilton, Wellington, Dunedin Contract Weltec						PROJECTS IMPLEMENTED BASED ON PILOT OUTCOMES																	
	ADVANCED APPRENTICESHIPS Exploration/development of models of delivery (particularly relevant for rapidly changing, high-tech industries) which allow both on-job training and completion of a degree level qualification in engineering. For example Bristol University (and three other UK providers) 'Higher Apprenticeship' model with Rolls Royce.	ITPs Employers	<ul style="list-style-type: none"> Minister agrees funding for a pilot 'sponsored degree' programme. 	PENDING MINISTER'S AGREEMENT	Scoping Report Jane Goodyer						POSSIBLE PILOTS BASED ON RESEARCH OUTCOMES AND EMPLOYER CONSULTATION																	
	QUALITY TEACHING AND LEARNING A project to guide and facilitate improvements to quality of teaching and learning in engineering. Collaboration with heads of school and HR/PD staff within ITPs to develop a strategy for professional development. Links with Geoff Scott's work on graduate profiles and curriculum design.	ITPs	<ul style="list-style-type: none"> Collaboration and sharing of information and best practice between all providers. Models of work integrated learning, new teaching modalities and current good practice models. Research-led good teaching practice in engineering education; Effective bridging programmes. Learning environments that meet the needs of an increasingly diverse (and growing) student body. 	BY 2018: <ul style="list-style-type: none"> Surveys of students and employers report satisfaction with the quality of education received. Increased numbers of students enrolling. The diversity of the student body is increasing. ITP employment outcome surveys indicate students are being employed before or soon after graduation. 	Development of Models of Practice Contract Ako Aotearoa						This will have potential impact on accreditation																	
EMPLOYER ENGAGEMENT	EMPLOYER ENGAGEMENT: GEOFF SCOTT'S VISIT A pilot workshop to explore the use of the Professional Capability Framework in determining employers' perspectives on graduate profiles and future skill needs.	Employers IPENZ	<ul style="list-style-type: none"> Recommendations from the pilot employer workshop are implemented in the 2015-16 financial year, leading to further activity in this work stream. 	BY 2018: <ul style="list-style-type: none"> Numbers of employers participating in apprenticeships Number of employers on ITP advisory boards Survey of employers indicate good engagement 	WORKSHOP GEOFF SCOTT						WORKSHOP RECOMMENDATIONS CONSIDERED AND IMPLEMENTED																	
	GROWTH THROUGH DIVERSITY A proposal to research how to boost the numbers of women, Maori, Pasifika and other groups in the engineering workforce, through investigating overseas initiatives, and with input from other stakeholders, including MoE, NZQA, TPK, MBIE and industry.	TEC	<ul style="list-style-type: none"> Improved uptake of Maori, Pasifika and other groups in engineering courses. 	<ul style="list-style-type: none"> A survey of enrolment demographics. 							Budget funding becomes available for employer engagement on 1 July 2016																	
PROMOTION	PUBLIC AWARENESS CAMPAIGN Raise interest in engineering and the broad range of study options available; key messages are around individual achievements of a diverse range of people	IPENZ Employers	<ul style="list-style-type: none"> Improved public awareness of engineering and the education pathways to the engineering profession. 	BY 2018: <ul style="list-style-type: none"> Improved outcomes in the next IPENZ public awareness survey. Improved outcomes to a research that underpinned the Barriers and Responses report. Survey of enrolling students to determine what influenced their decision to study engineering. 							PROGRAMME OF ONGOING INITIATIVES Engage employers and ITPs to support implementation and provide leverage																	
	ENGINEERING E2E WEBSITE AND COMMUNICATIONS	TEC	<ul style="list-style-type: none"> Stakeholders are kept up-to-date with Engineering E2E activity. 	BY DECEMBER 2015: <ul style="list-style-type: none"> Monthly newsletters Subscription requests Feedback Survey of stakeholders to determine levels of satisfaction. 							CASE STUDIES OF GOOD PRACTICE DRAWN FROM ALL ASPECTS OF E2E WORK; MONTHLY NEWSLETTER; OTHER COMMUNICATIONS																	
GUIDANCE	ENGINEERING E2E STEERING GROUP	TEC	<ul style="list-style-type: none"> The Engineering E2E Programme goals have been achieved and an increasing number and diversity of students are graduating with engineering qualifications, particularly at Levels 6 & 7. 	SUCCESSFUL COMPLETION OF AGREED INITIATIVES							PROVIDES ADVICE/GUIDANCE; TOR & MO RECONSIDERED																	