Australian Industry and Skills Committee

TLI ELECTRIC HEAVY VEHICLE PROJECT

Case for Change

Name of allocated IRC: Transport and Logistics IRC
Name of the SSO: Australian Industry Standards Limited

1. Administrative information

*For a list of the products proposed to be reviewed as part of this project, please see **Attachment A**.*

Name of IRC(s):	Transport and Logistics IRC
Name of SSO:	Australian Industry Standards Limited

1.1 Name and code of Training Package(s) examined to determine change is required

TLI Transport and Logistics Training Package

2. The Case for Change

*For information on the job roles to be supported through the proposed qualifications updates, enrolments data, completion rates, and the number of RTOs delivering these qualifications please see **Attachment B**.*

2.1 Rationale for change

This Case for Change is based on industry's request to develop a new Skill Set and two new Units of Competency (Operate Electric Heavy Vehicle and Operate Electric Bus) to provide workers the required skills and knowledge for working with and operating electric heavy vehicles. The road transport industry is experiencing rapid growth in the manufacture and use of electric heavy vehicles, particularly in the bus and coach sector, and training products are now required to enable these vehicles to be operated efficiently and safely.

Key skills that need to be addressed includepreoperational checks which are completely different to that required for fossil fuel powered heavy vehicles, charging rather than refuelling, battery maintenance and operational safety. The ability to understand how the electric vehicles operates and handles is critical for operators as this technology is different to diesel powered heavy vehicles.

Currently there are no Units of Competency or Skill Sets to enable skills development of qualified operators of electric heavy vehicles. If this development is not completed, there will be a critical skills gap and safety issues for drivers of electric heavy vehicles.

2.2 Evidence for change

Discussions between the IRC and bus and heavy vehicle transport operators identified that while the current number of electric vehicles is comparatively small, the growth expected will lead to an increasing demand for appropriately skilled drivers to operate these vehicles. The stakeholders identified that future growth of electric heavy vehicles will leave critical knowledge and procedural skill gaps for heavy vehicle drivers that transition to these vehicles. One of the key differences for the operator between fossil powered heavy vehicles and battery powered is that battery vehicles are silent so there are no tell-tale signs the vehicle is not operating correctly as there are with fossil fuelled vehicles.

Given the extent of the electrification of transport services work currently happening in Australia, these skills will be in demand over the next five years as new vehicles are produced. Industry needs to have trained workers to ensure safety and maintenance of electric vehicle operations.

2.3 Consideration of existing products

The proposed new units will be supported by existing Units of Competency in the Certificate in Driving Operations.

The existing Training Package products for these skills are contained in the TLI Transport and Logistics Training Package. Existing Units of Competency are proposed to be incorporated in a Skill Set for existing workers. There are no other suitable electric vehicle units available in any other Training Package to meet this specific need.

2.4 Approach to streamlining and rationalisation of the training products being reviewed

Given the specialised nature of heavy vehicle sector, the industry requires new Units of Competency to be specific to their occupational needs. The IRC has identified several existing Units of Competency to be included in the new Skill Set.

3. Stakeholder consultation

3.1 Stakeholder consultation undertaken in the development of Case for Change

*For a full list of industry-specific stakeholders that actively participated in the stakeholder consultation process undertaken to develop the Case for Change, please see **Attachment C**.*

The initial request for this development was from bus and coach stakeholders and supported by the truck sector. Bus operators are represented on the Rail IRC.

Development of the Case for Change involved consultation with stakeholders via the following communication mechanisms:

- Stakeholder webinars
- Face to Face meetings (Virtual)
- AIS Website
- Stakeholder networks
- Teleconferences
- Emails

This work was outlined during a webinar which included representatives from all States/Territories and regional areas of those jurisdictions. Feedback on the proposed work was invited during the webinar.

The pending work was posted on the Engagement Hub of the AIS website and feedback invited. It has also been provided to STA's and1965 transport and bus stakeholders to provide feedback.

Transport operators operate across all states and territories in Australia. Operators from these states and territories have been included in the consultation and the above methods provide various options for those in rural and remote areas to contribute.

3.2 Evidence of Industry Support

*For a list of the issues raised by stakeholders during consultation and the IRC's response to these, please see **Attachment D.***

The proposed development of a new Skill Set and Units of Competency is supported by bus, transport industry and the Transport & Logistic IRC. No issues for the review and development, were raised during the initial consultation process.

Please see Attachment D.

3.3 Proposed stakeholder consultation strategy for project

*Note: For a full list of industry-specific stakeholders who are planned to be contacted to participate in the stakeholder consultation process undertaken for this project, please see **Attachment E**.*

Key Industry stakeholders have been identified in consultation with industry regulators, associations, and the Transport & Logistic IRC.

AIS, on behalf of the Transport & Logistic IRC, will promote the opportunity to contribute through stakeholder webinars, the AIS website, EDM's, AIS newsletter and public notifications. Stakeholders will also be notified of key milestones throughout the life of the project, including requests for feedback on draft materials.

Stakeholder engagement and consultation will occur over the life of the project via a combination of the following methods:

- Direct engagement: Face to face consultations, Site visits, Phone, emails, video/teleconferencing meetings
- Industry forums and conferences
- Webinars
- Online feedback mechanisms
- STA direct engagement

Given the size of Australia and all stakeholders not being centrally located in major cities, a range of consultation strategies will be used so stakeholders in rural, regional and remote areas, and in smaller jurisdictions have multiple avenues to provide feedback.

This includes but is not limited to, online/video consultation, email correspondence and promotional activity via targeted communications including social media. A recently developed Engagement hub on the AIS website provides a one stop portal for information about how all stakeholders can participate and inform Training Package development work.

4. Licencing or regulatory linkages

There are no licencing requirements contained in this Skill Set. However, the unit of competency will address the skills and knowledge requirements to meet electric heavy vehicle safety and/or road transport regulatory requirements.

5. Project implementation

5.1 Prioritisation category

It is proposed that this development project will be progressed as a routine project.

In line with the AISC Prioritisation Report and to coordinate the release of updated products, the IRC recommends a routine update and implementation of this project.

5.2 Project milestones

- **Key project milestones include:**
  - *AISC project approval – December 2021*
  - *Draft 1 consultation – July 2022*
  - *Stakeholder validation – –August 2022*
  - *Quality Assurance – September 2022*
  - *Final consultation with states and territories – September 2022*
  - *CfE submitted for approval – 30 September 2022.*

5.3 Delivery or implementation issues

The only implementation issues raised by stakeholders concerns training and assessment in the COVID environment; The key concern is the restricted access because of COVID protocols. This limits the exposure to training scenarios that are essential to upskilling heavy vehicle drivers in electric vehicles decision making and problem-solving situations.

6. Implementing the Skills Minister's Priority reforms for Training Packages (2015 and October 2020)

The project submission will support industry's expectations for training delivery and provide a revised Companion Volume Implementation Guide (CVIG) to support delivery of the new products.

The Skill Set will be developed to ensure it is applicable to the occupational requirements of electric heavy vehicle drivers in an Australia environment. This development will also enable transport workers to move between enterprises in all States and Territories. The new units will be used by multiple sectors of the transport and Logistics industry using electric vehicles.

This Case for Change was agreed to by the [name] IRC

Name of Chair	Mark McKenzie
Signature of Chair	
Date	1 November 2021

Attachment A: Training Package components to change

Australian Industry Standards Limited

Contact details: David Dixon - Chief Operating Officer

Date submitted: 1 November 2021

*Note: Qualification where the code is marked with * are not being reviewed but will include new units that are being developed as part of this project. AIS will update these Qualifications as Training Package maintenance function.*

Project number	Project Name	Qualification/ Unit / Skillset	Code	Title	Details of last review *(endorsement date, nature of this update transition, review, establishment)*	Change Required
	TLI Electric Heavy Vehicle	Qualification	* *TLI31221Y*	Certificate III in Driving Operations	2021	**Update**
	TLI Electric Heavy Vehicle	Unit	TLIC9978Y	Operate Electric Heavy Vehicle	New unit	**New**
	TLI Electric Heavy Vehicle	Unit	TLIC9977Y	Operate Electric Bus	New unit	**New**
	TLI Electric Heavy Vehicle	Skill Set	TLISS99986Y	Electric Heavy Vehicle Skill Set	New Skill Set	**New**

Attachment B: Job role, enrolment information, the number of RTOs currently delivering these qualifications

Please set out the job roles to be supported through the updated qualifications, enrolment data over the past three years in which data is available for each qualification, completion rates for each qualification, and the number of RTOs delivering these qualifications.

Job role	Qualification to be updated to support the job role	Enrolment data (for the past three years)	Completion rates (for the past three years)	Number of RTOs delivering (for the past three years)
Heavy Vehicle Driver	* TLI31221Y Certificate III in Driving Operations	53,099	8,304	97
Bus Driver	* TLI31221Y Certificate III in Driving Operations	53,099	8,304	97