



Australian
Industry and
Skills Committee

MOBILE CRANE OPERATIONS

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

Crane technologies and operations have undergone significant changes to improve efficiency and safety.

The workforce needs to have the capabilities to operate mobile cranes safely and professionally, be skilled in the use of technologies related to crane operations and comply with regulatory requirements.

This Case for Change is proposing to review Certificate III and IV in Mobile Crane Operations to align the qualifications with current industry practices and regulatory requirements.

Mobile Crane Operations are used across multiple sectors of many industries. Mobile crane operators need to be skilled heavy vehicle operators as they drive mobile cranes on Australian roads in accordance with state and territory regulatory requirements. They also need to have the appropriate High risk Work licence to operate the specific crane along with a variety of other skills to meet the needs of the crane industry.

In response, this project proposes to review the TLI30118 Certificate III in Mobile Crane Operations and TLI40218 Certificate IV in Mobile Crane Operations, update imported Units of Competency and review associated Units of Competency to ensure the skills and knowledge requirements contained in the qualifications address changes in technology, transport related activity risk factors and regulations associated with the role of mobile crane operator.

If this review is not completed, the qualification will not be aligned with current mobile crane industry safety and skill requirements and potentially enrolments will drop off and industry will not have a qualification to develop and train crane operators for the future.

No review or development work has been done on the Certificate III & IV in Mobile Crane Operations since transition in 2016. The Qualifications did have a change in 2018 where updated imported units in the qualification and TLI units that had been revised in other projects. Any Units identified for deletion due to no enrolment's over a three year period will be deleted as part of this project.

2.2 Evidence for change

The Transport and Logistics IRC conducted industry research, held discussions with Crane Industry Council of Australia (CICA) and conducted an industry consultation webinar. The IRC identified that the current qualifications do not meet the expectations of industry or the desired outcomes. Given the growing use of mobile cranes and the variety of usage in heavily populated areas, safety of the operators and the public is critical.

The TLI30118 Certificate III in Mobile Crane Operations and TLI40218 Certificate IV in Mobile Crane Operations total enrolments over the last four years (2015 to 2019) are 8,516 and 3,541 respectively however, units like TLIF3084 Follow mobile crane safety procedures, only have 249 enrolments over the same period. Transport operators report a need for these qualifications but are unable to offer them as they are currently not fit-for-purpose.

The crane industry is also continually working towards introducing new technologies to help improve safety outcomes.

2.3 Consideration of existing products

There are no new products being developed in this review but the current TLI existing units and the imported units will be reviewed by the TAC with revisions made to the TLI units and evaluated for appropriateness. Imported units updated where superseded. Where TLI units are identified as not required, they will be deleted.

The existing TLI Units of Competency do not address the current skills required to operate the latest crane technologies or reflect the current industry practices. There are no other suitable units available in any other training package to meet this specific need given that the HRWL is required.

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

Given the specialised nature of mobile crane sector, the industry requires the qualifications be specific to their heavy vehicle mobile crane occupational needs. The IRC has identified several Units of Competency that may need to be removed; however, the vocational outcomes are not in any other Units of Competency. The IRC will examine the need for these units regarding transport activities to ensure the outcomes are relevant and incorporated into existing TLI units, where appropriate.

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 revision was from Crane Industry Council of Australia (CICA) and it is supported by the Transport and Logistics IRC.

The work was outlined during a webinar which included over 70 representatives from all States/Territories and regional areas of those jurisdictions. Feedback on the proposed work was invited during the webinar.

The work was posted in the Engagement Hub of the AIS website and feedback invited.

Notification of the opportunity to provide feedback through the Transport and Logistics webinar, or in writing through the Engagement Hub, was provided to transport and logistics sector stakeholder subscribers.

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

Transport operators operate across all states and territories in Australia. Operators from rural and regional areas of these states and territories will be able to provide feedback through multiple avenues to support their input in the consultation opportunities.

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 TLI qualification amalgamation is supported by transport and crane industry operators and the Transport and Logistics IRC.

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 and Logistics IRC.

AIS, on behalf of the Transport and Logistics 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 are not 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 crane High Risk Work licencing units and requirements contained in these qualifications. They are not being reviewed as part of this project.

5. Project implementation

5.1 Prioritisation category

It is proposed that this review 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 – June 2021
 - Draft 1 consultation – January 2022
 - Stakeholder validation – –March 2022
 - Quality Assurance – April/May 2022
 - Final consultation with states and territories – June 2022
 - CfE submitted for approval – 30 June 2022.

5.3 Delivery or implementation issues

No delivery or implementation issues have been identified to date. Potential delivery and implementation issues raised by stakeholders will be considered as part of the review, include training and assessment in the COVID environment; The key concern currently is the restricted access because of COVID protocols. Engaging the various State and Territory regulators will be critical for this review. Information to assist with delivery implementation will be found in the updated CVIG.

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 qualifications will be revised to ensure they are aligned to roles related to crane operations activity and safety management. The qualification and associated Units of Competency are technical and relate to specific mobile crane roles. This development will also enable crane specialists to move between States and Territories.

The qualifications and associated Units of Competency are only used in heavy vehicle mobile crane contexts. The qualification enables workforce mobility between state and commonwealth transport sectors.

It is anticipated, there may be a Skill Set developed as part of this revision.

This Case for Change was agreed to by the Transport & Logistics IRC

Name of Chair

Mark McKenzie

Signature of Chair



Date

14 May 2021

Attachment A: Training Package components to change

Australian Industry Standards Limited

Contact details: David Dixon - Chief Operating Officer

Date submitted: 14 May 2021

Project number	Project Name	Qualification/ Unit / Skillset	Code	Title	Details of last review (endorsement date, nature of this update transition, review, establishment)	Change Required
5	Mobile Crane Operations – Review	Qualification	TLI30118Y	Certificate III in Mobile Crane Operations	13/Sep/2018 - Review	Update
5	Mobile Crane Operations – Review	Qualification	TLI40218Y	Certificate IV in Mobile Crane Operations	12/Apr/2021 - Review	Update
5	Mobile Crane Operations – Review	Unit	TLIB3013Y	Maintain mobile cranes	29/Feb/2016 - Transition	Update
5	Mobile Crane Operations – Review	Unit	TLIB3011Y	Set up and rig crane for lift	29/Feb/2016 - Transition	Update
5	Mobile Crane Operations – Review	Unit	TLIB3012Y	Plan job and set up work areas	29/Feb/2016 - Transition	Update
5	Mobile Crane Operations – Review	Unit	TLIB3016Y	De-rig, pack and store tools and equipment	29/Feb/2016 - Transition	Update

Project number	Project Name	Qualification/ Unit / Skillset	Code	Title	Details of last review (endorsement date, nature of this update transition, review, establishment)	Change Required
5	Mobile Crane Operations - Review	Unit	TLID4032Y	Plan and conduct specialised lift	29/Feb/2016 - Transition	Update
5	Mobile Crane Operations - Review	Unit	TLIF3084Y	Follow mobile crane safety procedures	29/Feb/2016 - Transition	Update

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)
	TLIB3013Y Maintain mobile cranes	47	25	16
	TLIB3011Y Set up and rig crane for lift	30	18	16
	TLIB3012Y Plan job and set up work areas	409	405	14
	TLIB3016Y De-rig, pack and store tools and equipment	223	218	95
	TLID4032Y Plan and conduct specialised lift	72	69	100
	TLIF3084Y Follow mobile crane safety procedures	73	53	16
712111, Crane, Hoist Or Lift Operator	TLI30118Y Certificate III in Mobile Crane Operations	4653	71	7

712111, Crane, Hoist Or Lift Operator	TLI40218Y Certificate IV in Mobile Crane Operations	1798	63	7
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Attachment C: List of stakeholders that actively participated in the consultation process of the Case for Change

Name of stakeholder	Title	Organisation	Organisation type (e.g. Employer, peak body, union, RTO, regulator)	Jurisdiction/town/city (e.g. NSW/Sydney)
Daryl Osborne	director	DW Osborne Consulting Pty Ltd	Employer	NSW / Eastwood
Lynda Green	Training Package Content Officer	AATIS	Other	VIC / Melbourne
Deanne-Lee Wilkie	Training Manager NSW - Certificate III	Transit Systems NSW	Employer	NSW / Region 3 And 6
Jill Angus	Training Delivery Manager	N/A	Peak body	NSW / Sydney
Vicki Mason	Training Advisor	LINX Cargo Care	Employer	VIC / Melbourne
Emil Jacob	Trainer/Assessor	Spectra Training	RTO	NSW QLD SA VIC / Sydney
Reg Mifflin	Trainer & Assessor	Training Alliance Group	RTO	WA / Kardinya
David Thiele	TRAINING CONSULTANT	LEARNING PARTNERS	RTO	TAS / Launceston
Suzie Hounsham	Senior Program Officer	DTWD	Other	WA / Perth
Leslie Young	Senior Industry Engagement Officer (Accreditation)	VRQA	Regulator	VIC / Melbourne
Lindsey Borthwick	Safety Supervisor	Kings Transport	Employer	WA / Welshpool

Name of stakeholder	Title	Organisation	Organisation type (e.g. Employer, peak body, union, RTO, regulator)	Jurisdiction/town/city (e.g. NSW/Sydney)
Ferdie Kroon	Risk & Compliance Manager	De Bruyn's Transport	Employer	TAS VIC / Launceston
Simone Rennocks	RTO Manager	AQTI	RTO	NSW / Sydney
Michael Taremba	Project manager	Logistics & Defence Skills Council	Other	WA / Perth
Joan Whelan	Project Manager	Business Skills Viability	Other	VIC / Melbourne
Shawn Dwyer	Product development coordinator	TAFE NSW	RTO	NSW / Orange
Nazooque Nihar	Product Manager, Transport, Logistics and Maritime	TAFE NSW	RTO	NSW / Dubbo
Will Symons	Policy Officer	Department of Education, Skills and Employment	Other	ACT / Canberra
Bill Murphy	Ops Mgr - WTA	WiseTech Global	RTO	NSW / Alexandria
Ken Taylor	North Connex Asset & Operations Manager	Transurban	Employer	NSW / West Pennant Hills
Jo-Anne Galea	National Mg'r Capability L&D	One Rail Australia	Employer	NSW NT QLD SA VIC / Kewsick Sa
Taras Lubczyk	Manager Training and Professional Development	International Forwarders & Customs Brokers Association of Australia	Peak body RTO	NSW / Rockdale
Daryl Sutton	Manager - VET	Victorian Curriculum & Assessment Authority	Other	VIC / Melbourne

Name of stakeholder	Title	Organisation	Organisation type (e.g. Employer, peak body, union, RTO, regulator)	Jurisdiction/town/city (e.g. NSW/Sydney)
Siobhan Mccarville	Manager	Department of Transport and Main Roads	Other	QLD / Brisbane
Jennifer Miller	Learning and Development	The Fourth Force Pty Ltd	RTO	SA / Adelaide
Paul Mcguire	Lead trainer	Nationwide Training	RTO	WA / Perth
Carolyn Claridge	Lead Training Compliance Consultant	Finest Compliance	Other	NSW QLD / Eagleby
Camilla Elmes	Industry Engagement Consultant	Queensland Trucking Association	Other	QLD / Brisbane
Alana Treagus	ISO	Industry Skills Advisory Council NT (ISACNT)	Other	NT / Parap
Angeline Celestine	Head of program	North Metro TAFE	RTO	WA / Perth
Elizabeth Ferrier	Head of Industrial Relations	Toll	Employer	NSW / Sydney
Lindy Pascoe	Head of Chain of Responsibility & Compliance	Australia Post	Employer	VIC / Melbourne
Mehmet Barış EyiGül	HSE SPECIALIST	BATISOKE CEMENT FACTORY	Regulator	QLD / Aydın / Türkiye
Bob Allen	General Manager	Tunnel Holdings Pty Limited	Employer	NSW / North Sydney
Paul Kahlert	General Manager	All Purpose Transport	Employer	QLD / Brisbane
Suzanne Crowe	Facilitator	Victoria university	RTO	VIC / Melbourne

Name of stakeholder	Title	Organisation	Organisation type (e.g. Employer, peak body, union, RTO, regulator)	Jurisdiction/town/city (e.g. NSW/Sydney)
Richard Olorenshaw	Education Programs Coordinator	Learning Sphere Training Solutions	RTO	NSW / Blacktown
Lynda Douglas	Director, National Skills Framework	Dept of Defence	Employer RTO Other	ACT / Canberra - National Employer
Julie Russell	Director	Russell Transport	Employer	QLD / Eagle Farm
Renee Wilson	Director	Customs Brokers Pty Ltd	Employer RTO Other	QLD / Thornlands
Jesse Liebelt	DC Training & Development Manager	Brave Logistics	RTO	SA / Adelaide
Robyn O'Donoghue	Customer Services	InXpress Geelong	Other	VIC / Highton
Marla Costabeber	Compliance	Mainfreight	Other	QLD / Brisbane
Tiffany Young	Competency Assessor	Sydney Trains	Employer	NSW / Clyde
Paul Rowe	Chief Operating Officer	JKR Training	RTO	NSW / Dolphin Point
Athol Carter	Central Qld Manager	Frasers Livestock Transport	Employer	QLD / Gracemere
Alison Hollands	CMM	VU Polytechnic	RTO	VIC / Melbourne
Cam Dumesny	CEO	Western Roads Federation	Peak body	WA / Bassendean
Patricia Sincock	CEO	Flexible Training Solutions	RTO	VIC / Melbourne
Mark Mckenzie	CEO	ACAPMA	Peak body	NSW / Sydney
Michael Ryan	BDM	Into Training Australia	RTO	NSW / Cardiff South

Name of stakeholder	Title	Organisation	Organisation type (e.g. Employer, peak body, union, RTO, regulator)	Jurisdiction/town/city (e.g. NSW/Sydney)
Adam Di Pasqua	Asset Operations Coodrinator	Transurban	Other	NSW / Sydney
Cathi Payne				
Daryl Osborne	director	DW Osborne Consulting Pty Ltd	Employer	NSW / Eastwood
Lynda Green	Training Package Content Officer	AATIS	Other	VIC / Melbourne
Deanne-Lee Wilkie	Training Manager NSW - Certificate III	Transit Systems NSW	Employer	NSW / Region 3 And 6

Active participation has included stakeholders from many organisations across all States and territories within Australia who utilised crane operations

- Industry Reference Committee
- Employers (Non-IRC)
- The Crane Industry Council of Australia (CICA)
- Crane Enterprises
- State and Territory Regulators (SWA)
- RTO's

Attachment D: Issues Raised by Stakeholders during consultation on the development of the Case for Change

Stakeholder Type	Issues Raised	IRC's Response to Issues Raised
Industry Reference Committee (IRC) Representatives	Nil	N/A
Peak Industry Bodies	CICA raised that the revised qualifications should be suitable for traineeships.	We will ensure that they are suitable for Traineeships
Employers (Non-IRC)	Nil	N/A
Regulators	Nil	N/A
Registered Training Organisations (RTOs)	Will it be made equivalent?	That will depend on the changes to the Qualification and Units.
Training Boards/Other	Nil	N/A
State and Territory Training Authorities (STAs)	WA STA - project is separate from the High Risk Licence project. High risk units not being reviewed as part of this project. No issues identified.	The IRC thanks WA STA for their support.
	Tasmanian STA - Providing any issues raised by Tasmanian stakeholders have been addressed, Skills Tasmania supports this TLI Training Package Case for Change.	The IRC thanks Tasmanian STA for their support.
		The IRC thanks NT STA for their support.
Unions	Nil	N/A

Attachment E: List of stakeholders to be contacted as part of the development of the Case for Endorsement

Relevant Stakeholders identified in attachment C and the following:

Name of Stakeholder	Title	Organisation	Organisation type (e.g. Employer, peak body, union, RTO, regulator)	Jurisdiction/town/city (e.g. NSW/Sydney)
State Training Authorities		State Training Authorities	State Training Authorities	All States and Territories
Mark Williams	National Compliance & Assurance, Heavy Vehicles	BORAL	Employer	National
Greg Lipscombe	National Training Manager	Linfox Logistics	Employer	National
Jack Boutros	Organiser	Transport Workers Union	Union	National
Justin Timmins	National Safety & Training Officer	Maritime Union of Australia (MUA)	Union	National
Julie Russell	Director Russell Transport Pty Ltd	Australian Trucking Association (ATA)	Peak body	National
Karen Bow	Director Safety	Australian Logistics Council (ALC)	Peak body	National

Name of Stakeholder	Title	Organisation	Organisation type (e.g. Employer, peak body, union, RTO, regulator)	Jurisdiction/town/city (e.g. NSW/Sydney)
Lynda Douglas	AD National Skills Framework, Directorate of Learning Capability Development	Department of Defence	Employer	National
Mark McKenzie	Chief Executive Officer	Australasian Convenience and Petroleum Marketers Association (ACAPMA)	Employer	National
Peter Anderson	Chief Executive Officer	Victorian Transport Association (VTA)	Peak body	Victoria
Transport & Logistics IRC	Various	Various	Employers, Associations, Unions, Regulators	National

The Case for Endorsement development will involve contacting relevant stakeholders from the following organisations across all States and territories within Australia.

- Industry Reference Committees
- Transport and Logistics crane specialists
- Crane enterprises
- Crane Industry Council of Australia (CICA)
- Stakeholders who provided feedback