

Date	State	Category of stakeholder	Organisation	Method of communication	Industry	Product Type	Product Code	Section	Action	Description of Issues raised	ISA/TC Response
12-January-2024	Tasmania	Registered Training Organisations (RTOs)	AMC	email	Education		MAR31222 Certificate III in Autonomous Maritime Systems	Q - Packaging Rules	Rework	Seeking to remove the pre-requisite requirements for the following AMS Units of Competency. Our reasoning is as follows: <ul style="list-style-type: none">• The pre-requisite units need to be completed before we can sign off any assessment tools mapped to the parent unit. This mandates a sequential approach to the delivery of the units which we believe is not ideal.• Significant cross-over of Knowledge & Performance criteria exist between all four units in both the ASV Operator and AUV Operator groups. As such, the courses are best designed to deliver units concurrently as opposed to sequentially.• Having to deliver the units sequentially has consequences on the final product, notably:<ul style="list-style-type: none">◦ Extending the course length considerably and therefore increasing overall course costs◦ Longer course lengths will impact the industry's/trainee's availability to attend the course◦ Negatively impacting the learning experience and outcomes for trainees	DEWR Activity Submission drafted and submitted May 2024 to undertake the Maritime AMS project.
12-January-2024	Tasmania	Registered Training Organisations (RTOs)	AMC	email	Education		MAR31222 Certificate III in Autonomous Maritime Systems	Q - Packaging Rules	Rework	Other useful information: <ul style="list-style-type: none">• AMC has not formally commenced an application to add these units to our Scope of Registration. This is being held up by the pre-requisite issue highlighted above.• Should the pre-requisites be removed AMC has all training and other supporting materials ready to apply to add the units to our Scope of Registration and commence delivering them.• According to Training.gov no RTOs have these units on their Scope of Registration.• To the best of our knowledge there are no current enrolments in these units. <p>The proposed changes will In no way alter unit outcomes, they will only allow a more flexible and efficient approach to their delivery. So hopefully the removal of the pre-requisite requirements is easily achievable?</p>	DEWR Activity Submission drafted and submitted May 2024 to undertake the Maritime AMS project.
12-January-2024	Tasmania	Registered Training Organisations (RTOs)	AMC	email	Education	Unit	MARH030 Apply knowledge of core Autonomous Underwater Vehicles (AUV) operations		Delete	As requested and to recap, we are seeking to remove the pre-requisite requirements for the following AMS Units of Competency: <ul style="list-style-type: none">• MARH035 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS)• MARH034 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations	DEWR Activity Submission drafted and submitted May 2024 to undertake the Maritime AMS project.
12-January-2024	Tasmania	Registered Training Organisations (RTOs)	AMC	email	Education	Unit	MARH031 Apply knowledge of core Autonomous Surface Vessels (ASV) operations		Delete	As requested and to recap, we are seeking to remove the pre-requisite requirements for the following AMS Units of Competency: <ul style="list-style-type: none">• MARH035 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS)• MARH034 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations	DEWR Activity Submission drafted and submitted May 2024 to undertake the Maritime AMS project.
12-January-2024	Tasmania	Registered Training Organisations (RTOs)	AMC	email	Education	Unit	MARH032 Conduct advanced Autonomous Underwater Vehicles (AUV) operations		Delete	As requested and to recap, we are seeking to remove the pre-requisite requirements for the following AMS Units of Competency: <ul style="list-style-type: none">• MARH035 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS)• MARH034 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations• MARH030 Apply knowledge of core Autonomous Underwater Vehicles (AUV) operations	DEWR Activity Submission drafted and submitted May 2024 to undertake the Maritime AMS project.
12-January-2024	Tasmania	Registered Training Organisations (RTOs)	AMC	email	Education	Unit	MARH033 Conduct advanced Autonomous Surface Vessels (ASV) operations		Delete	As requested and to recap, we are seeking to remove the pre-requisite requirements for the following AMS Units of Competency: <ul style="list-style-type: none">• MARH035 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS)• MARH034 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations• MARH031 Apply knowledge of core Autonomous Surface (ASV) operations	DEWR Activity Submission drafted and submitted May 2024 to undertake the Maritime AMS project.
12-January-2024	Tasmania	Registered Training Organisations (RTOs)	AMC	email	Education	Unit				We are not seeking any changes to the pre-requisite requirements for either MARF058 or MARF059, ie the Technical Management units of competency.	No action taken.
15-August-2024	National	State and Territory Training Authorities (STAs)		email					Add	We currently have some projects where we don't have a State or Territory representative. I have listed the projects below and if any of you would like to provide someone for these Technical Committees, please feel free to send me their details. The TC's needing your support are: 1.TLI – Furniture Removal Project 2.MAR - Autonomous Maritime Systems Project 3.AVI – Diploma of Flight instructor Project	ISA sent an email to STA seeking State or Territory representative. As no nominees were received AMSA will be the State or Territory representative for this project.

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14-October-2024	Victoria	State and Territory Training Authorities (STAs)	Victorian University	Public consultation Feedback	Education	Qualification	MAR31222 Certificate III in Autonomous Maritime Systems	U - Prerequisite Unit	Rework	<p>Have just been looking at the Maritime Training Package – Autonomous Maritime Systems and see the project is about removing the prerequisites. I believe the prerequisites issue was identified at the time of the previous release.</p> <p>Back in 2022 an issue was raised by the department about the number of units that sit within this qualification, and it being identified as a Certificate III.</p> <p>Can you explain how this updated qualification is a Certificate III, as its as big as some skill sets.</p>	<p>The Technical Committee (TC) has been asked to review and remove pre-requisites from four units of competency from MAR31222 Certificate III in Autonomous Maritime Systems and associated products:</p> <ul style="list-style-type: none">• MARH030 (recoded to MARH040) Apply knowledge of core Autonomous Underwater Vehicles (AUV) operations• MARH031 (recoded to MARH041) Apply knowledge of core Autonomous Surface Vessels (ASV) operations• MARH032 (recoded to MARH042) Conduct advanced Autonomous Underwater Vehicles (AUV) operations• MARH033 (recoded to MARH043) Conduct advanced Autonomous Surface Vessels (ASV) operations <p>Industry stakeholders have reported these pre-requisite units create barriers for training providers, and this project involves the removal of these barriers to support streamlining delivery of this product. The TC determined these removals won't change the number of MAR unit required to complete MAR31225Y, nor the qualification entry requirement for Certificate III in Autonomous Maritime Systems. The vocational outcome for MAR31225 and the maritime regulator (AMSA regulates operators of autonomous vessels in Australia) Certificate of Competency won't change for the following job roles:</p> <ul style="list-style-type: none">• Autonomous Underwater Vehicles (AUV) Operator• Autonomous Surface Vessels (ASV) Operator• AUV Technician• ASV Technician
<p>The issues raised back in 2022, related to Skill Set construction and volume of learning for the draft qualification MAR3122Y Certificate III in Autonomous Underwater Vehicles. Reportedly these issues were address by restructuring two Skill Sets and formalising the entry requirement to MAR31222 Certificate III in Autonomous Maritime Systems. The draft MAR31225Y qualification will still require AMSA Coxswain Grade 1 certificate of competency (MAR20324), or equivalent or higher level of achievement in the command, navigation, or operation of vessels equal to or greater than 12 metres in length in Near Coastal waters. The Coxswain Grade 1 NC MAR20324 qualification requires 13 units to be achieved. As a result of these changes (2022), to obtain MAR31222 Certificate III in Autonomous Maritime Systems, learners need to complete 17 to 18 units (depending on AMS job role). These 17 to 18 units fulfill the AQF 3 criteria to apply knowledge and skills to demonstrate autonomy and judgement and to take limited responsibility in known and stable contexts within established parameters. Estimated nominal hours for MAR31225 will be between 608 and 683 hours depending on job role (including Coxswain Grade 1 (MAR20324)).</p> <p>Replied to Stakeholder 14 October 2024.</p> <p>Discussed at TC meeting 7 November 2024 - TC agreed that the current qualification structure with entry requirements is correct.</p>											
31-October-2024	Victoria	State and Territory Training Authorities (STAs)	Victorian University	Public consultation Feedback	Education	Qualification	MAR31222 Certificate III in Autonomous Maritime Systems	U - Prerequisite Unit	Rework	<p>I see what you are saying but do not agree.</p> <p>Regarding the comments re the qualification MAR31225Y Certificate III in Autonomous Maritime Systems the academic transcript for this qualification will only list 4, or up to 5 units.</p> <p>There may be an entry requirement, but this does not reflect the AQF level and the volume of learning of a certificate III, but this should be identified by the quality assurance process.</p> <p>Your statement regarding the nominal hours is inaccurate as nominal hours for the MAR31225 will only reflect the units that sit within this qualification and currently it sits between 170 – 220 and will not differ significantly with changes made.</p> <p>We seem to be at cross purposes here. I believe this qualification may be used in other states and territories but at present no uptake is identified from Victorian local providers .</p>	<p>Stakeholder was replied to 31 Oct 2024:</p> <p>Thank you for your feedback. Your feedback will be presented to the Technical Committee and quality assurance auditors for review and feedback.</p> <p>Currently we have interest from training providers in WA, NSW and Tasmania for this qualification. We acknowledge your comment regarding funding nominal hours for this qualification. The anticipated student cohort for this MAR AMS qualification will be fee-for service participants requiring a combination of: MAR20321 Certificate II in Maritime Operations (Coxswain Grade 1 Near Coastal) and MAR31225Y Certificate III in Autonomous Maritime Systems to achieve the vocational outcome required for these mapping, study of marine wildlife, search and/or recovery job roles.</p> <p>Thank you for your feedback and information.</p> <p>Discussed at TC meeting 7 November 2024 - TC agreed that the current qualification structure with entry requirements is correct.</p>