

# Ag Chemical Handling Project



## Summary of Feedback, Responses and Actions

**18 January 2018**

This project included the redesign of two skills set and 12 units of competency, to supersede the current Chemical (CHM) training package components.

The following new and redesigned components have been developed. These will be included in the *AHC Agriculture, Horticulture and Conservation and Land Management Training Package*.

### **Skill Sets**

1. AHCSSXXXXX Advanced Chemical Spray Application (which supersedes AHCSS00026 Advanced Chemical Spray Application)
2. AHCSSXXXXX Agricultural Chemical Skill Set (which supersedes AHCSS00027 Agricultural Chemical Skill Set)

### **Units**

1. AHCCHM101 Follow basic chemical safety rules
2. AHCCHM201 Apply chemicals under supervision
3. AHCCHM301 Use application equipment to apply fumigant in confined spaces
4. AHCCHM302 Fumigate soil
5. AHCCHM303 Prepare and apply chemicals
6. AHCCHM304 Transport and store chemicals
7. AHCCHM305 Conduct manual fumigation of vertebrate and invertebrate pests
8. AHCCHM306 Prepare and apply chemicals for hand held application equipment
9. AHCCHM401 Develop procedures to minimise risks in the use of chemicals
10. AHCCHM402 Plan and implement a chemical use program
11. AHCCHM403 Prepare safe operating procedures for calibration of equipment
12. AHCCHM501 Develop and manage a chemical use strategy

The draft skill sets and units of competency above were available for broader stakeholder consultation and feedback between 9 November and 10 December 2017. Twenty two feedback responses were received during the feedback period, representing the stakeholders listed in the table below.

Industry Sector	States Represented	Total Number
Industry Association (Ind Assoc)	National, NT, Qld	4
Registered Training Organisation (RTO)	NSW (4) Vic (3) Qld (5) SA (3)	15
Government Agency (Gov't)	WA, Vic, NT	3
Total		22

Below is a summary of the issues raised and how these issues have been dealt with. This involves a consideration of the information provided, views of industry stakeholders where known, and views provided by the people who are part of the Subject Matter Expert Working Group process. Resolutions are constructed to take into account the needs and views of stakeholders to the extent possible, and to comply with the *Standards for Training Package 2012*. The resolutions may represent a compromise on one or more stakeholder views with the aim of a workable outcome for industry, Government agencies and Training Providers.

#### Skill Sets

Stakeholder sector	Comments and Identified Issues	Consideration and Proposed Resolution
<b>AHCSS00026 Advanced chemical spray application skill set</b>		
1. RTO Qld	RTO Qld supported the skills set as presented. Commented on the need for inclusion of chemical spill management in the unit AHCCHM401 attached to this skill set.	Management of spills is embedded in the knowledge evidence component and as such should be a consideration when developing procedures to minimise risks. See unit in list below for additional edits
<b>AHCSS00028 Agricultural chemical skill set</b>		
2. RTO Qld	RTO Qld supported the skills set as presented.	Revised skill set to progress to validation stage in its current format.

## Units of Competency

Stakeholder sector	Comments and Identified Issues	Consideration and Proposed Resolution
<b>Nineteen (12) redesigned units</b>		
<p>1. RTO NSW (2), RTO Vic, Gov't Vic, Ind Assoc.</p>	<p>AHCCHM101 Follow basic chemical safety rules</p> <p>RTO NSW. Supports the unit</p> <p>RTO NSW. Provided editing changes to Application, Foundation Skills, Performance Evidence and Assessment Conditions. Also commented on lack of Range of Conditions</p> <p>Gov't Vic and RTO Vic. Provided editing changes to Application, sequencing of Performance Criteria in Elements 1 and 2 , editing advice on Performance Criteria 2.3, 2.5, 2.6 Performance evidence Knowledge Evidence and Assessment Conditions. A question of equivalence was also raised due to the changes made.</p> <p>Ind Assoc. Comment raised regarding the implications for off-target damage and the inclusion of a risk analysis. General request for clarification of terminology in the application and a recommendation for assessment of stop/go points with changes in risk.</p>	<p>Revisions have been made to the Application, Performance Criteria, Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions.</p> <p>Unit has been deemed equivalent as the changes have been within the scope of the original unit.</p> <p>The unit is at AQF level 1 designed for individuals who are under direct supervision and who are directed to the work to follow.</p> <p>Element 2 addresses risks but stop/go points would be a decision of the supervisor at this level. Comment has been noted to ensure it is covered in higher level application units.</p> <p>Equivalency has been established based on the changes in the revised units. Where the changes have not altered the outcomes of the unit of competency the unit has been deemed equivalent.</p>
<p>2. RTO Qld (2), RTO NSW (2), RTO Vic, Gov't Vic.</p>	<p>AHCCHM201 Apply chemicals under supervision</p> <p>RTO Qld. Provided editing advice for Performance Criteria 4.4 and Assessment Conditions seeking clarification on chemical store.</p> <p>RTO NSW. Provided editing changes to sequencing of Performance Criteria in Element 5. Rename Element 3, Editing changes to Performance Criteria 4.2 and 4.3.</p> <p>RTO NSW. Provided editing advice for Performance Criteria 3.1, 3.5, 5.2, addition of a Range of Conditions, Performance Evidence and Assessment Conditions.</p>	<p>Revisions have been made to the Application, Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment Conditions.</p> <p>Range of conditions is not required in this unit of competency.</p> <p>Equivalency has been established based on the changes in the revised units. Where the changes have not altered the outcomes of the unit of competency the unit has been deemed equivalent.</p>

Stakeholder sector	Comments and Identified Issues	Consideration and Proposed Resolution
	<p>Gov't Vic and RTO Vic. Provided editing advice for Application, Element 3, Performance Criteria 1.3, 1.4, 4.1, 4.2. Equivalency, Knowledge Evidence and Assessment Conditions.</p> <p>RTO Qld. Supported the unit with no changes recommended.</p>	
<p>3. RTO NSW, RTO Vic Gov't Vic (2).</p>	<p>AHCCHM301 Use application equipment to apply fumigant in confined spaces</p> <p>RTO NSW. Commented on retaining the prerequisite units sighting these as a prerequisite requirement in some states for the purchase and use of fumigants. Provided editing advice for Performance Criteria 2.1. Recommended addition of Range of Conditions.</p> <p>Gov't Vic, RTO Vic. Provided editing advice for Performance criteria 1.1, 1.4, 3.1, 4.1, 6.1 Performance Evidence and Knowledge Evidence.</p> <p>Gov't Vic Comment supporting removal of prerequisite units sighting unnecessary duplication.</p> <p>RTO Vic Comment retaining prerequisites sighting most of the products used for fumigation are schedule 7 chemicals and every jurisdiction requires the prerequisites to legally use them.</p>	<p>Revisions have been made to the Application, Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment Conditions.</p> <p>Range of conditions is not required in this unit of competency.</p> <p>Pre-requisites have been removed. Training Packages and their components specify job outcomes. Gov'ternment regulators specify the licencing and certification arrangements required to acquire, handle or use particular materials. Those units, where these arrangements are known are identified with a statement in the Units Application e.g. "State or Territory licensing, legislative or certification requirements apply in some jurisdictions". It is up to the users of the units to ensure they meet these regulatory requirements. It is not the role of the Training Package components to pre-empt regulatory requirements as they may change over time.</p>
<p>4. Nil</p>	<p>AHCCHM302 Fumigate soil</p> <p>No review comments received</p>	<p>Minor revisions have been made to standardise terminology and for further clarity to the Application, Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment Conditions.</p> <p>See comment section 3 above</p>
<p>5. RTO SA, RTO NSW (3), RTO Qld, RTO Vic, Gov't WA, Gov't Vic, Ind Assoc.</p>	<p>AHCCHM303 Prepare and apply chemicals</p> <p>RTO SA. Provided editing advice for Performance Evidence and Knowledge Evidence.</p> <p>RTO Qld. Provided editing advice for Performance Evidence</p>	<p>Revisions have been made to the Application, Performance Criteria, Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions. Pre-requisites have been removed.</p> <p>Range of conditions is not required in this unit of competency.</p> <p>Equivalency has been established based on the changes in the revised units. Where the changes have not altered the outcomes of the unit of competency the unit has been deemed equivalent.</p>

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	<p>RTO NSW Provided requested clarification on Performance Criteria 2.7 and 4.5, and editing changes to Performance Evidence.</p> <p>Gov't WA. Provided editing advice for Performance Criteria 2.5, 2.8, 3.4, and Performance Evidence and Knowledge Evidence.</p> <p>RTO NSW commented on the use of "crop" in the unit and provided editing advice for Application, Performance Criteria 2.1, 2.4, 2.5, 2.8, 3.1, 4.2, 5.2, Performance Evidence and Knowledge Evidence.</p> <p>Ind/Assoc. Provided editing advice for Performance criteria 2.8 and 5.4 Performance Evidence and Knowledge Evidence.</p> <p>RTO NSW. Provided editing advice on Licencing statement in Application, Performance Criteria 1.5, 2.8, 3.1, 3.2, 4.1, 4.3, Foundation Skills, Performance Evidence, Knowledge Evidence, Assessment conditions and requested a Range of Conditions</p> <p>Gov't Vic, RTO Vic. Provided editing advice for Application, Element 1, Element 2, Performance criteria 1.2, 1.5, 1.6, 2.1, 2.2, 2.3, 2.8, 4.1, 5.1, 5.2, 5.3, 5.4, 5.5 Performance Evidence. Commented on Equivalency of unit.</p>	
<p>6. RTO SA (2), RTO Vic (2), RTO NSW (2), RTO Qld (2), Gov't WA, Gov't Vic,</p>	<p>AHCCHM304 Transport and store chemicals</p> <p>RTO SA. Provided editing advice for Performance Criteria 1.7, 2.1 4.1, Foundation Skills, Performance Evidence and Knowledge Evidence and Assessment Conditions.</p>	<p>Revisions have been made to the Application, Performance Criteria, Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions.</p> <p>Skills Impact are not able to provide advice to RTO's in setting assessments. This unit is about the trainee transporting chemicals not that of a delivery service.</p> <p>Range of conditions is not required in this unit of competency.</p>

Stakeholder sector	Comments and Identified Issues	Consideration and Proposed Resolution
	<p>RTO Vic. Commented on the difficulties of assessing the Performance Evidence for transport of chemicals delivered by another service.</p> <p>RTO NSW. Provided editing advice for Element 1 and 2, Performance Criteria 2.2 and Performance Evidence</p> <p>Gov't WA. Provided editing advice for Element 1, and Performance Criteria 3.1, 3.3, 3.4, 4.1 and Performance Evidence.</p> <p>RTO Qld. Provided editing advice for Application, Performance Evidence 1.3, 1.5, 1.7, 2.2, 3.1, 3.5, 3.6 and Performance Evidence.</p> <p>RTO NSW. Provided editing advice for Application, Performance Criteria 2.1, Foundation Skills, Performance Evidence and Knowledge Evidence also requested a Range of Conditions.</p> <p>Gov't Vic, RTO Vic. Suggested title change to include "Handle". Provided editing advice for Application, Element 2, Performance Criteria 1.1, 1.2, 3.2, 3.3, 3.4, 3.6, 3.6, 4.2, Foundation Skills, Performance Evidence and Knowledge Evidence</p> <p>RTO SA. Provided editing advice for Performance Evidence 1.2, 1.3, 2.2, 2.3, 3.1, Performance Evidence and Knowledge Evidence.</p> <p>RTO Qld. Supported the unit as developed. No further action</p>	
7. RTO NSW, RTO Vic, Gov't Vic.	<p>AHCCHM305 Conduct manual fumigation of vertebrate and invertebrate pests</p> <p>RTO NSW. Commented on retaining the prerequisite units sighting these as a prerequisite requirement in some states for the purchase and use of fumigants. Provided editing advice for Performance Criteria 2.3, 2.5, 3.5, Foundation Skills and</p>	<p>Revisions have been made to the Application, Performance Criteria, Performance Evidence and Knowledge Evidence.</p> <p>Pre-requisites have been removed. See comment section 3 above.</p>

Stakeholder sector	Comments and Identified Issues	Consideration and Proposed Resolution
	<p>Assessment Conditions. Recommended addition of Range of Conditions.</p> <p>Gov't Vic, RTO Vic. Provided editing advice for Elements 2 and 3, Performance criteria 1.5, 1.6, 2.2, 2.3, 2.4, 2.5, 3.1, 3.2, 4.1, 6.1, 7.1, Foundation Skills, and Knowledge Evidence.</p>	
<p>8. RTO NSW, RTO Vic, Gov't Vic.</p>	<p>AHCCHM306 Prepare and apply chemicals for hand held application equipment</p> <p>RTO NSW. Suggested the outcomes of this unit are covered in AHCCHM303 Prepare and apply chemicals. Recommend deleting.</p> <p>Gov't Vic, RTO Vic. Provided editing advice for Application, Elements 1 Performance criteria 1.1, 1.3, 1.4, 2.2, 4.1, 5.1, Foundation Skills, and Knowledge Evidence.</p>	<p>Revisions have been made to the Application, Performance Criteria, Foundation Skills and Knowledge Evidence.</p>
<p>9. RTO NSW, Gov't Vic.</p>	<p>AHCCHM401 Develop procedures to minimise risks in the use of chemicals</p> <p>RTO NSW Suggests that this unit is very similar to AHCCHM402 and questions its need.</p> <p>Gov't Vic. Provided editing advice for Application, Performance Criteria 1.3, 2.3, Knowledge Evidence and Assessment Conditions</p>	<p>Revisions have been made to the Application, Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment Conditions.</p> <p>Multiple enrolments in this and AHCCHM402 indicate that both are used and supported.</p>
<p>10. RTO NSW, Gov't Vic.</p>	<p>AHCCHM402 Plan and implement a chemical use program</p> <p>RTO NSW Suggests that this unit is fine. No further action required.</p>	<p>Revisions have been made to the Performance Criteria</p>

Stakeholder sector	Comments and Identified Issues	Consideration and Proposed Resolution
	Gov't Vic. Provided editing advice for Performance Criteria 2.5, 3.2, 3.3, 4.1, 4.5 Knowledge	
11. RTO NSW	<p>AHCCHM403 Prepare safe operating procedures for calibration of equipment</p> <p>RTO NSW Suggests that this unit is very similar to AHCCHM402 and questions its need.</p>	<p>No Revisions made from first draft.</p> <p>A very small number of enrolments over 3 states does suggest it is being used. SME suggested its removal but this unit is used within three qualifications: <i>Certificate IV in Seed Production</i>, <i>Certificate IV in Parks and Gardens</i> and <i>Certificate IV in Horticulture</i> as an elective unit.</p>
12. RTO NSW, RTO Qld, Ind Assoc.	<p>AHCCHM501 Develop and manage a chemical use strategy</p> <p>RTO NSW. Provided editing advice for Knowledge evidence.</p> <p>Ind Assoc National. Provided editing advice for Knowledge evidence and Assessment Conditions.</p> <p>RTO Qld. Supported the unit with no revisions.</p>	<p>Revisions have been made to the Knowledge Evidence and Assessment Conditions</p>