

Specification of Competency Standards for the Automotive Industry
Unit of Competency

1. Title	Vehicle body welding				
2. Code	AUSDCN211A				
3. Range	This unit of competency is applicable in vehicle body repair workshops and body assembly workshops. Practitioners should be capable to employ welding techniques (including Oxyacetylene Welding/ cutting and MIG) to perform general vehicle body welding process.				
4. Level	2				
5. Credits	3(for reference only)				
6. Competency	<p style="text-align: right;"><u>Performance Requirements</u></p> <table> <tr> <td>6.1 Understand vehicle body welding process</td><td> <ul style="list-style-type: none"> ◆ Understand the standard requirement of the work-piece set by the vehicle manufacturer ◆ Understand welding process ◆ Know about flaws commonly found in welding seams, such as: <ul style="list-style-type: none"> • Burning through • Slag inclusion • Air hole, etc. </td></tr> <tr> <td>6.2 Vehicle body welding</td><td> <ul style="list-style-type: none"> ◆ Select suitable welding equipment according to the requirement of work-piece; establish welding procedure and safety measures ◆ Prepare work-piece, such as align mating parts and protect other portions of the vehicle being affected by welding, etc. ◆ Carry out welding process ◆ Check welding seams and rectify the flaws ◆ Grind welding seams </td></tr> </table>	6.1 Understand vehicle body welding process	<ul style="list-style-type: none"> ◆ Understand the standard requirement of the work-piece set by the vehicle manufacturer ◆ Understand welding process ◆ Know about flaws commonly found in welding seams, such as: <ul style="list-style-type: none"> • Burning through • Slag inclusion • Air hole, etc. 	6.2 Vehicle body welding	<ul style="list-style-type: none"> ◆ Select suitable welding equipment according to the requirement of work-piece; establish welding procedure and safety measures ◆ Prepare work-piece, such as align mating parts and protect other portions of the vehicle being affected by welding, etc. ◆ Carry out welding process ◆ Check welding seams and rectify the flaws ◆ Grind welding seams
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to know about the hazards caused by the welding process and relevant rules of safety; (ii) Capable to select suitable welding equipment to carry out welding process; and (iii) Capable to check welding seams and rectify the flaws upon completion of work.
8. Remarks	<ul style="list-style-type: none"> (i) The credits value of this unit of competency is set on the presumption that the people concerned already possess the skills of using general welding equipment and the basic knowledge of vehicle body structure. (ii) The relevant ordinances/rules involved in this unit of competency are as follows: <ul style="list-style-type: none"> 1. Factories and Industrial Undertakings (Gas Welding and Flame Cutting) Regulations 2. Code of Practice - Safety and Health at Work for Gas Welding and Flame Cutting 3. Code of Practice - Safety and Health at Work for Manual Electric Arc Welding