

Specification of Competency Standards for the Automotive Industry
Unit of Competency

1. Title	Check and repair vehicle electronic control systems and devices		
2. Code	AUSDST216A		
3. Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be capable to check, repair and adjust various kinds of vehicle electronic/data control systems and devices safely according to the instructions in the vehicle manufacturer's servicing manual. They should also be capable to conduct basic adjustments and tests of components upon completion of work.		
4. Level	2		
5. Credits	3(for reference only)		
6. Competency	<p style="text-align: right;"><u>Performance Requirements</u></p> <div> <div>6.1 Understand the structure and basic operating principles of various types of vehicle electronic control systems and devices</div> <div> <ul style="list-style-type: none"> ◆ Understand the structure and basic operating principles of various types of vehicle electronic control systems and devices ◆ Understand vehicle electronic/data control principles ◆ With reference to the requirements in the servicing manual provided by the vehicle manufacturer or parts supplier, understand the general checking and repairing procedure for various types of vehicle electronic/data control systems and devices </div> </div> <div> <div>6.2 Check and repair various types of vehicle electronic control systems and devices</div> <div> <ul style="list-style-type: none"> ◆ According to the instructions in the servicing manual provided by vehicle manufacturer or parts supplier and the requirements of occupational safety and health as well as that of environmental protection, safely check, repair and adjust various types of vehicle electronic control systems and devices, including: </div> </div>		

	<ul style="list-style-type: none"> • Capable to identify the common faults in various types of vehicle electronic control systems and devices by visual inspection • Use general tools and instruments to check and measure various types of vehicle electronic control systems and devices as well as rectify typical system fault • According to inspection result, repair the parts of various types of vehicle electronic control systems and devices as well as circuit/data systems, including dismantle, replace, re-assemble and adjust relevant system components and accessories • According to instructions, measure and adjust the operation and effectiveness of various types of vehicle electronic/data control systems
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to check, repair and adjust general vehicle electronic/data control systems and devices safely according to the instructions in the servicing manual provided by vehicle manufacturer or parts supplier; and</p> <p>(ii) Capable to conduct basic adjustments and tests of components upon completion of work.</p>
8. Remarks	<p>The credits value of this unit of competency is set on the presumption that the people concerned already possess basic knowledge of vehicle electronic and electrical system servicing.</p>