

**Correct as at 26th April 2026. It may be superseded at any time.**

**Extract taken from:** PRS & QMS > PRS: Low volume vehicle certification > Technical part

## **Technical part**

# 1 1A Modified production – limited

## Requirements

	What NZTA expects of you	How NZTA will assess your performance
	<b>Correct technical decisions</b>	
1.1	You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements, taking into account technical information provided by NZTA and the LVVTA such as Low Volume Vehicle Code, Standards, Survey Sheets, Information Sheets, and LVVTA Member Association Technical Manuals.	NZTA will: <ul style="list-style-type: none"><li>• talk to you</li><li>• observe you at work</li><li>• inspect the modifications on vehicles while you are certifying the vehicles, or after you have certified the vehicles</li><li>• inspect inspection and certification documents you use and complete.</li></ul>
1.2	<b>Technical competence</b>	

	What NZTA expects of you	How NZTA will assess your performance
<p>You are competent in all technical aspects relating to <i>Category 1A Modified production – limited modifications</i>. This means you are competent in:</p> <ul style="list-style-type: none"> <li>the a</li> <li>of</li> <li><i>Cate</i></li> <li><i>1A</i></li> <li><i>Mod</i></li> <li>–</li> <li><i>limite</i></li> <li>mod</li> <li>inclu</li> </ul>	<p>NZTA will:</p> <ul style="list-style-type: none"> <li>talk to you</li> <li>ask questions to check your competence relating to any of the modifications, and your assessment of the modifications</li> <li>observe you at work</li> <li>inspect inspection and certification documents you use and complete</li> <li>inspect your <a href="#">Training record</a>.</li> </ul> <p>NZTA may administer a short test on <i>Category 1A Modified production – limited modifications</i>, and the assessment of <i>Category 1A Modified production – limited modifications</i>.</p>	

	What NZTA expects of you	How NZTA will assess your performance
1.3	<p><b>Technical equipment</b></p>	
	<p>You have, or have access to:</p> <ul style="list-style-type: none"> <li>• a graduated lightboard or commercial quality beamsetter</li> <li>• a 35% VLT tint sample or a light transmission measuring device</li> <li>• a stop-watch or other device capable of measuring average deceleration</li> <li>• a jack or other suitable equipment to lift wheels off the ground</li> <li>• an industrial quality hand-held inspection lamp</li> <li>• a steel test bar for steering and suspension</li> <li>• graduated tyre tread depth gauge</li> <li>• a steel ruler and tape measure</li> <li>• an H-point indicator (eg LVVTA h-frame or h-point template)</li> <li>• an inspection mirror</li> <li>• a protractor or other device used to measure angles</li> <li>• head sphere ball</li> <li>• duct o similar adhesive tape</li> <li>• a string-line</li> <li>• a vernier calliper</li> <li>• a selection of hand tools, including those required for anchorage bolt and trim removal, steering wheel and universal joint attachment, as applicable.</li> </ul> <p>The equipment is in good condition and working order.</p>	<p>NZTA will inspect your technical equipment.</p>

# Scores

Score				
	0	1	2	3
1.1	Correct technical decisions			

Score				
	0	1	2	3
<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>likely</b> to compromise the safety of the vehicle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a non-OE engine mount is poorly designed or manufactured, but failure of the mount would not cause the engine to contact or bind against a steering component, or</li> <li>• a non-OE accelerator system is well designed and manufactured, but is fitted with a single accelerator return spring, or</li> <li>• a drive-shaft's universal joints are incorrectly phased or misaligned, or</li> <li>• a braking system in a vehicle that has undergone an engine conversion meets the specified requirements for one-off brake performance, but is unable to meet the specified brake fade-resistance requirements, or</li> <li>• an aftermarket steering wheel is</li> </ul>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• an engine mount rubber is worn or damaged, or</li> <li>• a non-OE accelerator system is well designed and manufactured, and is fitted with dual accelerator return springs, but is unusually stiff to depress, or</li> <li>• a drive-shaft universal joint has minor wear, or a drive-shaft is slightly out of balance, or</li> <li>• a non-OE park-brake system is attached without the use of vibration-proof fasteners, or</li> <li>• a modified or non-OE steering system operates safely, but the geometry is causing excessive tyre wear, or</li> <li>• non-critical components such as a chassis or sub-frame section extends slightly below the specified scrub-line requirements, or</li> <li>• a non-OE wheel and tyre fitment has</li> </ul>	<p>You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements.</p>		

Score				
	0	1	2	3
1.2	Technical competence			

Score				
	0	1	2	3
<p>You demonstrate</p> <ul style="list-style-type: none"> <li>• <b>some competence</b> in the technical aspects relating to <i>Category 1A Modified production – limited modifications</i>, or</li> <li>• a level of competence that <b>may</b> compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>some</b> gaps in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of Category 1A Modified production – limited modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and</li> </ul> </li> </ul> <p>This means there are <b>sign</b> gaps in your</p>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>adequate competence</b> in the technical aspects relating to <i>Category 1A Modified production – limited modifications</i>; or</li> <li>• a level of competence that is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>minor</b> gaps in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1A Modified production – limited modifications</i>, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> <li>◦ the assessment of the suitability of the modifications and their effect</li> </ul> </li> </ul>	<p>You demonstrate <b>comprehensive competence</b> in all technical aspects relating to <i>Category 1A Modified production – limited modifications</i>.</p> <p>This means you demonstrate <b>comprehensive knowledge</b> of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of Category 1A Modified production – limited modifications, including:</li> <li>• the assessment of Category 1A Modified production – limited modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining</li> </ul> </li> </ul>		

Score				
	0	1	2	3
	<b>Technical equipment</b>			
<b>1.3</b>	Not all of the specified equipment is available. Where equipment is available, some or all of it is not in working order.	All of the specified equipment is available and in working order, but some or all of it is in poor condition.	All specified equipment is available, in working order, and in at least adequate condition.	All specified equipment is available and in good condition and working order.

## 2 1B Modified production – extended

### Requirements

What NZTA expects of you	How NZTA will assess your performance	
2.1	<b>Correct technical decisions</b>	
	<p>You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements, taking into account technical information provided by NZTA and the LVVTA such as Low Volume Vehicle Code, Standards, Survey Sheets, Information Sheets, and LVVTA Member Association Technical Manuals.</p>	<p>NZTA will:</p> <ul style="list-style-type: none"> <li>• talk to you</li> <li>• observe you at work</li> <li>• inspect the modifications on vehicles while you are certifying the vehicles, or after you have certified the vehicles</li> <li>• inspect inspection and certification documents you use and complete.</li> </ul>
2.2	<b>Technical competence</b>	

What NZTA expects of you	How NZTA will assess your performance
<p>You are competent in all technical aspects relating to <i>Category 1B Modified production – extended modifications</i>. This means you are competent in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1B Modified production – extended modifications</i>, including:</li> <li>• the identification of any modifications such as non-OE components and systems</li> <li>• the identification of the source of any non-OE components and systems</li> <li>• the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> <li>• the assessment of the suitability of the modifications and their effect on other components and systems</li> <li>• legal requirements (including NZTA requirements) relating to <i>Category 1B Modified production – extended modifications</i></li> <li>• NZTA and LVVTA guidelines relating to <i>Category 1B Modified production – extended modifications</i></li> <li>• the operation of the equipment you use for <i>Category 1B Modified production – extended modifications</i>.</li> </ul>	<p>NZTA will:</p> <ul style="list-style-type: none"> <li>• talk to you</li> <li>• ask questions to check your competence relating to any of the modifications, and your assessment of the modifications</li> <li>• observe you at work</li> <li>• inspect inspection and certification documents you use and complete</li> <li>• inspect your <a href="#">Training record</a>.</li> </ul> <p>NZTA may administer a short test on <i>Category 1B Modified production – extended modifications</i>, and the assessment of <i>Category 1B Modified production – extended modifications</i>.</p>

What NZTA expects of you	How NZTA will assess your performance	
<b>2.3</b>	<b>Technical equipment</b>	
<p>You have, or have access to:</p> <ul style="list-style-type: none"> <li>• a graduated lightboard or commercial quality beamsetter</li> <li>• a 35% VLT tint sample or a light transmission measuring device</li> <li>• a stop-watch or other device capable of measuring average deceleration</li> <li>• a jack or other suitable equipment to lift wheels off the ground</li> <li>• an industrial quality hand-held inspection lamp</li> <li>• a steel test bar for steering and suspension</li> <li>• graduated tyre tread depth gauge</li> <li>• a steel ruler and tape measure</li> <li>• an H-point indicator (eg LVVTA h-frame or h-point template)</li> <li>• an inspection mirror</li> <li>• a protractor or other device used to measure angles</li> <li>• head sphere ball</li> <li>• duct or similar adhesive tape</li> <li>• a string-line</li> <li>• a vernier calliper</li> <li>• a selection of hand tools, including those required for anchorage bolt and trim removal, steering wheel and universal joint attachment, as applicable.</li> </ul> <p>The equipment is in good condition and working order.</p>	<p>NZTA will inspect your technical equipment.</p>	

# Scores

	Score			
	0	1	2	3
2.1	Correct technical decisions			

Score				
	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>likely</b> to compromise the safety of the vehicle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a retro-fitted seatbelt buckle is not in working order, or the seatbelt webbing is excessively ripped, frayed, or faded, or</li> <li>• a retro-fitted seatbelt anchorage is not attached to a structural part of the vehicle, or is not attached in accordance with the specified requirements, or</li> <li>• a seat designed as a forward-facing seat has been retro-fitted in a rearward-facing position without any bracing or support provided for the seatback, or</li> <li>• a hand control system is poorly designed or incompatible with the vehicle to which it is fitted, resulting in, due to interference or flexing, inability to achieve full braking efficiency, or</li> <li>• a wheelchair restraint system</li> </ul>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance <b>may</b> compromise the safety of the vehicle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a retro-fitted seatbelt is in good working order and condition, but does not meet one of the specified approved standards, or</li> <li>• a retro-fitted seatbelt anchorage is positioned outside the permitted area specified for seatbelt anchorages, or</li> <li>• a retro-fitted seat that has a seatbelt anchorage attached directly to its structure has not been designed or tested as stressed seat, or</li> <li>• a hand control system is well designed and constructed, but incorporates welded components that are relied upon to transmit braking effort, for which no welding approval or NDT evidence exists, or</li> <li>• a wheelchair restraint system is</li> </ul>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a retro-fitted seatbelt is in good working order and condition, and meets one of the specified approved standards, but does not retract easily, or</li> <li>• a doubler plate assembly is not attached by using the specified rivets, or the rivets are not aligned in the direction of pull, or</li> <li>• a retro-fitted seat is of the correct type for its application, and is securely attached, but is not sufficiently padded, or</li> <li>• a hand control system is well designed and constructed, but a fastener that is relied upon for accelerator application does not meet the specified requirements, or</li> <li>• a wheelchair restraint system is well designed and installed, but does not meet the</li> </ul>	<p>You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements.</p>

	Score
2.2	Technical competence

Score				
	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>little or no competence</b> in the technical aspects relating to <i>Category 1B Modified production – extended modifications</i>, or</li> <li>• a level of competence that is <b>likely</b> to compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>significant</b> gaps in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1B Modified production – extended modifications</i>, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types, manufacturing and machining</li> </ul> </li> </ul>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>some competence</b> in the technical aspects relating to <i>Category 1B Modified production – extended modifications</i>, or</li> <li>• a level of competence that <b>may</b> compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>some</b> gaps in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1B Modified production – extended modifications</i>, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types, manufacturing and machining processes (where</li> </ul> </li> </ul>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>adequate competence</b> in the technical aspects relating to <i>Category 1B Modified production – extended modifications</i>, or</li> <li>• a level of competence that is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>minor</b> gaps in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1B Modified production – extended modifications</i>, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types, manufacturing and machining</li> </ul> </li> </ul>	<p>You demonstrate <b>comprehensive competence</b> in all technical aspects relating to <i>Category 1B Modified production – extended modifications</i>.</p> <p>This means you demonstrate <b>comprehensive knowledge</b> of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1B Modified production – extended modifications</i>, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> <li>○ the assessment of the suitability of the modifications</li> </ul> </li> </ul>

	<b>Score</b>			
<b>2.3</b>	<b>Technical equipment</b>			
	Not all of the specified equipment is available. Where equipment is available, some or all of it is not in working order.	All of the specified equipment is available and in working order, but some or all of it is in poor condition.	All specified equipment is available, in working order, and in at least adequate condition.	All specified equipment is available and in good condition and working order.

## 3 1C Modified production – structures

### Requirements

	What NZTA expects of you	How NZTA will assess your performance
3.1	<b>Correct technical decisions</b>	
	You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements, taking into account technical information provided by NZTA and the LVVTA such as Low Volume Vehicle Code, Standards, Survey Sheets, Information Sheets, and LVVTA Member Association Technical Manuals.	NZTA will: <ul style="list-style-type: none"><li>• talk to you</li><li>• observe you at work</li><li>• inspect the modifications on vehicles while you are certifying the vehicles, or after you have certified the vehicles</li><li>• inspect inspection and certification documents you use and complete.</li></ul>
3.2	<b>Technical competence</b>	

	What NZTA expects of you	How NZTA will assess your performance
<p>You are competent in all technical aspects relating to <i>Category 1C Modified production – structures modifications</i>. This means you are competent in:</p> <ul style="list-style-type: none"> <li>the assessment of <i>Category 1C Modified production – structures modifications</i> including</li> </ul>	<p>NZTA will:</p> <ul style="list-style-type: none"> <li>talk to you</li> <li>ask questions to check your competence relating to any of the modifications, and your assessment of the modifications</li> <li>observe you at work</li> <li>inspect inspection and certification documents you use and complete</li> <li>inspect your <i>Training Record</i>.</li> </ul> <p>NZTA may administer a short test on <i>Category 1C Modified production – structures modifications</i>, and the assessment of <i>Category 1C Modified production – structures modifications</i>.</p>	

	What NZTA expects of you	How NZTA will assess your performance
3.3	<p><b>Technical equipment</b></p>	
	<p>You have, or have access to:</p> <ul style="list-style-type: none"> <li>• a graduated lightboard or commercial quality beamsetter</li> <li>• a 35% VLT tint sample or a light transmission measuring device</li> <li>• a stop-watch or other device capable of measuring average deceleration</li> <li>• a jack or other suitable equipment to lift wheels off the ground</li> <li>• an industrial quality hand-held inspection lamp</li> <li>• a steel test bar for steering and suspension</li> <li>• graduated tyre tread depth gauge</li> <li>• a steel ruler and tape measure</li> <li>• an H-point indicator (eg LVVTA h-frame or h-point template)</li> <li>• an inspection mirror</li> <li>• a protractor or other device used to measure angles</li> <li>• head sphere ball</li> <li>• duct or similar adhesive tape</li> <li>• a string-line</li> <li>• a vernier calliper</li> <li>• a selection of hand tools, including those required for anchorage bolt and trim removal, steering wheel and universal joint attachment, as applicable</li> <li>• containers or objects to simulate occupant weight.</li> </ul> <p>The equipment is in good condition and working order.</p>	<p>NZTA will inspect your technical equipment.</p>

# Scores

	Score			
	0	1	2	3
3.1	Correct technical decisions			

	<b>Score</b>		
<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>likely</b> to compromise the safety of the vehicle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a chassis or sub-frame section has not been welded in accordance with the specified requirements, or the join is not supported by a suitable reinforcement plate, or</li> <li>• a vehicle has undergone a significant body re-structure which is likely to have reduced the rigidity of the vehicle, and although some chassis, sub-frame, or floor reinforcement has been carried out, the vehicle is weaker in bending and torsion than the vehicle was in its original condition, or</li> <li>• a van has undergone a raised roof conversion, and the side-walls and roof section to the rear of the cab have been weakened as a result, and have not</li> </ul>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a chassis or sub-frame section has not been welded in accordance with the specified requirements, or the join is not supported by a suitable reinforcement plate, or</li> <li>• a vehicle has undergone a significant body re-structure which is likely to have reduced the rigidity of the vehicle, and although the chassis, sub-frame, or floor has been adequately reinforced, fuel lines or brake pipes have not been re-fastened at the required specified intervals, or</li> <li>• a van has been converted to a camper, and although the conversion results in a structurally sound vehicle, some interior camper equipment is not adequately secured, or</li> <li>• a second-hand steering box has documented</li> </ul>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a chassis or sub-frame section has not been welded in accordance with the specified requirements, or the join is not supported by a suitable reinforcement plate, or</li> <li>• a vehicle has undergone a significant body re-structure which is likely to have reduced the rigidity of the vehicle, and although the chassis, sub-frame, or floor has been adequately reinforced, fuel lines or brake pipes have not been re-fastened at the required specified intervals, or</li> <li>• a van has been converted to a camper, and although the conversion results in a structurally sound vehicle, some interior camper equipment is not adequately secured, or</li> <li>• a second-hand steering box has documented</li> </ul>	<p>You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements.</p>

	Score
3.2	<b>Technical competence</b>

Score			
<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>some competence</b> in the technical aspects relating to <i>Category 1C Modified production – structures</i> modifications, or</li> <li>• a level of competence that <b>may</b> compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>some gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1C Modified production – structures</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> </ul> </li> </ul> <p>This means there are <b>significant gaps</b> in your knowledge of, and skills in:</p>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>adequate competence</b> in the technical aspects relating to <i>Category 1C Modified production – structures</i> modifications, or</li> <li>• a level of competence that is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>minor gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1C Modified production – structures</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> </ul> </li> </ul>	<p>You demonstrate <b>comprehensive competence</b> in all technical aspects relating to <i>Category 1C Modified production – structures</i> modifications.</p> <p>This means you demonstrate <b>comprehensive knowledge</b> of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1C Modified production – structures</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> <li>◦ the assessment of the suitability of the modifications</li> </ul> </li> </ul>	

	<b>Score</b>			
	<b>Technical equipment</b>			
<b>3.3</b>	Not all of the specified equipment is available. Where equipment is available, some or all of it is not in working order.	All of the specified equipment is available and in working order, but some or all of it is in poor condition.	All specified equipment is available, in working order, and in at least adequate condition.	All specified equipment is available and in good condition and working order.

## 4 1D Modified production – advanced and scratch built

### Requirements

	What NZTA expects of you	How NZTA will assess your performance
	<b>Correct technical decisions</b>	
<b>4.1</b>	You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements, taking into account technical information provided by NZTA and the LVVTA such as Low Volume Vehicle Code, Standards, Survey Sheets, Information Sheets, and LVVTA Member Association Technical Manuals.	NZTA will: <ul style="list-style-type: none"><li>• talk to you</li><li>• observe you at work</li><li>• inspect the modifications on vehicles while you are certifying the vehicles, or after you have certified the vehicles</li><li>• inspect inspection and certification documents you use and complete.</li></ul>
<b>4.2</b>	<b>Technical competence</b>	

	What NZTA expects of you	How NZTA will assess your performance
<p>You are competent in all technical aspects relating to <i>Category 1D Modified production – advanced and scratch-built modifications</i>. This means you are competent in the assessment of <i>Category 1C Modified production – advanced and scratch-built modifications</i> including:</p> <ul style="list-style-type: none"> <li>the identification of any modifications such as non-OE components and systems</li> <li>the identification of the</li> </ul>	<p>NZTA will:</p> <ul style="list-style-type: none"> <li>talk to you</li> <li>ask questions to check your competence relating to any of the modifications, and your assessment of the modifications</li> <li>observe you at work</li> <li>inspect inspection and certification documents you use and complete</li> <li>inspect your <a href="#">Training record</a>.</li> </ul> <p>NZTA may administer a short test on <i>Category 1D Modified production – advanced and scratch-built modifications</i>, and the assessment of <i>Category 1D Modified production – advanced and scratch-built modifications</i>.</p>	

	What NZTA expects of you	How NZTA will assess your performance
4.3	<p><b>Technical equipment</b></p>	
	<p>You have, or have access to:</p> <ul style="list-style-type: none"> <li>• a graduated lightboard or commercial quality beamsetter</li> <li>• a 35% VLT tint sample or a light transmission measuring device</li> <li>• a stop-watch or other device capable of measuring average deceleration</li> <li>• a jack or other suitable equipment to lift wheels off the ground</li> <li>• an industrial quality hand-held inspection lamp</li> <li>• a steel test bar for steering and suspension</li> <li>• graduated tyre tread depth gauge</li> <li>• a steel ruler and tape measure</li> <li>• an h-point indicator (eg LVVTA h-frame or h-point template)</li> <li>• an inspection mirror</li> <li>• a protractor or other device used to measure angles</li> <li>• head sphere ball</li> <li>• duct or similar adhesive tape</li> <li>• a string-line</li> <li>• a vernier calliper</li> <li>• a selection of hand tools, including those required for anchorage bolt and trim removal, steering wheel and universal joint attachment, as applicable</li> <li>• containers or objects to simulate occupant weight.</li> </ul> <p>The equipment is in good condition and working order.</p>	<p>NZTA will inspect your technical equipment.</p>

# Scores

	Score			
	0	1	2	3
4.1	Correct technical decisions			

Score				
	0	1	2	3
	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>likely</b> to compromise the safety of the vehicle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• the design of a tubular space-frame chassis neither follows time-proven design and construction methods and materials, nor has been approved by an LVVTA-recognised build approval process, or</li> <li>• the door retention system of a scratch-built body does not incorporate door latches of a burst-proof design, or</li> <li>• the conversion or installation of an engine positioned in a mid-engine location incorporates an engine mount design that does not provide adequate resistance against potential forward movement, or</li> <li>• the adjustment mechanism of a custom-</li> </ul>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance <b>may</b> compromise the safety of the vehicle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a tubular space-frame chassis meets the design or build approval requirements, but critical or load-applying components are attached to areas of the chassis that are not multi-tube intersection points, or</li> <li>• the door retention system of a scratch-built body incorporates door latches of a burst-proof design, but the attachment points of the latching or hinging mechanisms do not meet the specified requirements, or</li> <li>• a north-south engine conversion results in a significant power increase, and no up-rated drive-shaft universals or drive-shaft safety loop is incorporated, or</li> <li>• the leverage ratio of a custom-</li> </ul>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a tubular space-frame chassis meets the design or build approval requirements, and the details of the chassis construction are sound, but the welding process has caused corrosion sites, or</li> <li>• the door retention system of a scratch-built body incorporates door latches of a burst-proof design, and the attachment points of the latching and hinging mechanisms meet the specified requirements, but the latches are not of a type that have been tested or approved, or</li> <li>• a differential conversion uses a differential centre and axle assembly from a vehicle of less power output than the vehicle</li> </ul>	<p>You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements.</p>

	Score			
	0	1	2	3
4.2	Technical competence			

		Score			
		0	1	2	3
<p>You demonstrate</p> <p>This means there are <b>signi</b> gaps</p>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>some competence</b> in the technical aspects relating to <i>Category 1D Modified production – advanced and scratch-built</i> modifications, or</li> <li>• a level of competence that <b>may</b> compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>some gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1D Modified production – advanced and scratch-built</i> modifications, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types,</li> </ul> </li> </ul>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>adequate competence</b> in the technical aspects relating to <i>Category 1D Modified production – advanced and scratch-built</i> modifications, or</li> <li>• a level of competence that is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>minor gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1D Modified production – advanced and scratch-built</i> modifications, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types,</li> </ul> </li> </ul>	<p>You demonstrate <b>comprehensive competence</b> in all technical aspects relating to <i>Category 1D Modified production – advanced and scratch-built</i> modifications.</p> <p>This means you demonstrate <b>comprehensive knowledge</b> of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 1D Modified production – advanced and scratch-built</i> modifications, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> <li>○ the</li> </ul> </li> </ul>		

	<b>Score</b>			
	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
	<b>Technical equipment</b>			
<b>4.3</b>	Not all of the specified equipment is available. Where equipment is available, some or all of it is not in working order.	All of the specified equipment is available and in working order, but some or all of it is in poor condition.	All specified equipment is available, in working order, and in at least adequate condition.	All specified equipment is available and in good condition and working order.

## 5 2A Motorcycles – modified production

### Requirements

	What NZTA expects of you	How NZTA will assess your performance
5.1	<b>Correct technical decisions</b>	
	You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements, taking into account technical information provided by NZTA and the LVVTA such as Low Volume Vehicle Code, Standards, Survey Sheets, Information Sheets, and LVVTA Member Association Technical Manuals.	NZTA will: <ul style="list-style-type: none"><li>• talk to you</li><li>• observe you at work</li><li>• inspect the modifications on vehicles while you are certifying the vehicles, or after you have certified the vehicles</li><li>• inspect inspection and certification documents you use and complete.</li></ul>
5.2	<b>Technical competence</b>	

	What NZTA expects of you	How NZTA will assess your performance
<p>You are competent in all technical aspects relating to <i>Category 2A Motorcycles</i> – <i>Modified production modifications</i>. This means you are competent in:</p> <ul style="list-style-type: none"> <li>the assessment of <i>Category 2A Motorcycles</i> – <i>modified production modifications</i> including</li> </ul>	<p>NZTA will:</p> <ul style="list-style-type: none"> <li>talk to you</li> <li>ask questions to check your competence relating to any of the modifications, and your assessment of the modifications</li> <li>observe you at work</li> <li>inspect inspection and certification documents you use and complete</li> <li>inspect your <i>Training Record</i>.</li> </ul> <p>NZTA may administer a short test on <i>Category 2A Motorcycles</i> – <i>Modified production modifications</i>, and the assessment of <i>Category 2A Motorcycles</i> – <i>Modified production modifications</i>.</p>	

	What NZTA expects of you	How NZTA will assess your performance
5.3	<b>Technical equipment</b>	
	<p>You have, or have access to:</p> <ul style="list-style-type: none"> <li>• a graduated lightboard or commercial quality beamsetter</li> <li>• a stop-watch, wrist-watch with a second hand or other device capable of measuring average deceleration</li> <li>• motorcycle inspection stand or lift and safety straps to lift wheels off the ground</li> <li>• an industrial quality hand-held inspection lamp</li> <li>• graduated tyre tread depth gauge</li> <li>• a steel ruler and tape measure</li> <li>• an inspection mirror</li> <li>• a protractor or other device used to measure angles</li> <li>• duct or similar adhesive tape</li> <li>• a string-line</li> <li>• a vernier calliper</li> </ul> <p>The equipment is in good condition and working order.</p>	<p>NZTA will inspect your technical equipment.</p>

# Scores

	Score			
	0	1	2	3
5.1	Correct technical decisions			

	Score			
	0	1	2	3
<p>You do not thoroughly inspect all modifications or correct them if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>likely</b> to compromise the safety of the motorcycle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a fastener attaching a critical component passes through a hollow tubular frame section that does not incorporate an anti-crush tube, or</li> <li>• a fuel hose or pipe is not made from an appropriate material, or is not securely attached, or</li> <li>• a brake hose is of such a length, or attached in such a way that the hose is under stretch tension at full suspension extension, or</li> <li>• a steering head does not incorporate either an internal or external positive stop to limit steering travel, or</li> <li>• a suspension coil spring is not sufficiently contained, and could dislodge at full suspension</li> </ul>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>unlikely</b> to compromise the safety of the motorcycle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a mudguard does not fully cover the tread-width of the tyre, or</li> <li>• a fastener attaching an engine or transmission unit does not meet the specified size, grade, or vibration-proof locking system requirements, or</li> <li>• a brake line is correctly fitted and securely attached, but the attachment intervals are slightly greater than the specified requirements, or</li> <li>• a steering tie-rod has sufficient thread engagement, but no thread depth inspection hole or indicator is present, or</li> <li>• a non-critical component or part of the motorcycle structure can contact the ground during normal</li> </ul>	<p>You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements.</p>		

	Score			
	0	1	2	3
5.2	Technical competence			

		<b>Score</b>			
		<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
You demonstrate	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>some competence</b> in the technical aspects relating to <i>Category 2A Motorcycles - Modified production</i> modifications, or</li> <li>• a level of competence that <b>may</b> compromise the safety of the motorcycle occupants or other road users.</li> </ul> <p>This means there are <b>some gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 2A Motorcycles - modified production</i> modifications, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types, manufacturing</li> </ul> </li> </ul>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>adequate competence</b> in the technical aspects relating to <i>Category 2A Motorcycles - Modified production</i> modifications, or</li> <li>• a level of competence that is <b>unlikely</b> to compromise the safety of the motorcycle occupants or other road users.</li> </ul> <p>This means there are <b>minor gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 2A Motorcycles - modified production</i> modifications, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types,</li> </ul> </li> </ul>	<p>You demonstrate <b>comprehensive competence</b> in all technical aspects relating to <i>Category 2A Motorcycles - Modified production</i> modifications.</p> <p>This means you demonstrate <b>comprehensive knowledge</b> of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 2A Motorcycles - modified production</i> modifications, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> <li>○ the assessment of the</li> </ul> </li> </ul>		
This means there are <b>significant gaps</b> in your know					

	<b>Score</b>			
	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
	<b>Technical equipment</b>			
<b>5.3</b>	Not all of the specified equipment is available. Where equipment is available, some or all of it is not in working order.	All of the specified equipment is available and in working order, but some or all of it is in poor condition.	All specified equipment is available, in working order, and in at least adequate condition.	All specified equipment is available and in good condition and working order.

## 6 2B Motorcycles – scratch-built

### Requirements

	What NZTA expects of you	How NZTA will assess your performance
	<b>Correct technical decisions</b>	
6.1	You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements, taking into account technical information provided by NZTA and the LVVTA such as Low Volume Vehicle Code, Standards, Survey Sheets, Information Sheets, and LVVTA Member Association Technical Manuals.	NZTA will: <ul style="list-style-type: none"><li>• talk to you</li><li>• observe you at work</li><li>• inspect the modifications on vehicles while you are certifying the vehicles, or after you have certified the vehicles</li><li>• inspect inspection and certification documents you use and complete.</li></ul>
6.2	<b>Technical competence</b>	

	What NZTA expects of you	How NZTA will assess your performance
<p>You are competent in all technical aspects relating to <i>Category 2B Motorcycles</i> – <i>scratch-built</i> modifications. This means you are competent in the assessment of <i>Category 2B Motorcycles</i> – <i>scratch-built</i> modifications including:</p> <ul style="list-style-type: none"> <li>the identification of any modifications such as non-OE components and systems</li> <li>the identification of the source of any non-OE components</li> </ul>	<p>NZTA will:</p> <ul style="list-style-type: none"> <li>talk to you</li> <li>ask questions to check your competence relating to any of the modifications, and your assessment of the modifications</li> <li>observe you at work</li> <li>inspect inspection and certification documents you use and complete</li> <li>inspect your <a href="#">Training record</a>.</li> </ul> <p>NZTA may administer a short test on <i>Category 2B Motorcycles</i> – <i>scratch-built</i> modifications, and the assessment of <i>Category 2B Motorcycles</i> – <i>scratch-built</i> modifications.</p>	

	What NZTA expects of you	How NZTA will assess your performance
6.3	<p><b>Technical equipment</b></p>	
	<p>You have, or have access to:</p> <ul style="list-style-type: none"> <li>• a graduated lightboard or commercial quality beamsetter</li> <li>• a stop-watch, wrist-watch with a second hand or other device capable of measuring average deceleration</li> <li>• motorcycle inspection stand or lift and safety straps to lift wheels off the ground</li> <li>• an industrial quality hand-held inspection lamp</li> <li>• graduated tyre tread depth gauge</li> <li>• a steel ruler and tape measure</li> <li>• an inspection mirror</li> <li>• a protractor or other device used to measure angles</li> <li>• duct or similar adhesive tape</li> <li>• a string-line</li> <li>• a vernier calliper.</li> </ul> <p>The equipment is in good condition and working order.</p>	<p>NZTA will inspect your technical equipment.</p>

**Scores**

	<b>Score</b>			
	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>6.1</b>	<b>Correct technical decisions</b>			

Score			
<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance <b>may</b> compromise the safety of the motorcycle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a custom-built frame meets the design or build approval requirements, but critical or load-applying components are attached to areas of the frame that are not multi-tube intersection points, or</li> <li>• a brake system that incorporates welded components, which are relied upon to transmit braking effort, do not have welding approval or NDT evidence, or</li> <li>• a steering head is a custom-manufactured mild steel unit, but does not use tapered roller bearings, or</li> <li>• a suspension coil spring is not sufficiently contained, and could dislodge at full suspension extension, or</li> <li>• a fuel hose or pipe is not made from</li> </ul>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>unlikely</b> to compromise the safety of the motorcycle occupants or other road users.</p> <p>For example:</p> <ul style="list-style-type: none"> <li>• a custom-built frame meets the design or build approval requirements, and the details of the frame construction are sound, but the welding process has caused corrosion sites, or</li> <li>• a brake line is correctly fitted and securely attached, but the attachment intervals are slightly greater than the specified requirements, or</li> <li>• a handlebar is not fitted with end plugs or hand grips with end caps, or a steering head is not fitted with dust seals, or</li> <li>• a non-critical component or part of the motorcycle structure can contact the ground during normal cornering or braking operation, or a fuel hose or pipe is correctly fitted and securely</li> </ul>	<p>You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements.</p>	

	Score
6.2	<b>Technical competence</b>

Score			
<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>some competence</b> in the technical aspects relating to <i>Category 2B Motorcycles - scratch-built</i> modifications, or</li> <li>• a level of competence that <b>may</b> compromise the safety of the motorcycle occupants or other road users.</li> </ul> <p>This means there are <b>some gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 2B Motorcycles – scratch-built</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining processes</li> </ul> </li> </ul> <p>This means there are <b>significant gaps</b> in your knowledge of, and skills</p>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>adequate competence</b> in the technical aspects relating to <i>Category 2B Motorcycles - scratch-built</i> modifications, or</li> <li>• a level of competence that is <b>unlikely</b> to compromise the safety of the motorcycle occupants or other road users.</li> </ul> <p>This means there are <b>minor gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 2B Motorcycles – scratch-built</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining</li> </ul> </li> </ul>	<p>You demonstrate <b>comprehensive competence</b> in all technical aspects relating to <i>Category 2B Motorcycles - scratch-built</i> modifications.</p> <p>This means you demonstrate <b>comprehensive knowledge</b> of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 2B Motorcycles – scratch-built</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> <li>◦ the assessment of the suitability of the modifications</li> </ul> </li> </ul>	

	<b>Score</b>			
	<b>Technical equipment</b>			
<b>6.3</b>	Not all of the specified equipment is available. Where equipment is available, some or all of it is not in working order.	All of the specified equipment is available and in working order, but some or all of it is in poor condition.	All specified equipment is available, in working order, and in at least adequate condition.	All specified equipment is available and in good condition and working order.

## 7 3A Disability adaptation

### Requirements

	What NZTA expects of you	How NZTA will assess your performance
	<b>Correct technical decisions</b>	
7.1	You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements, taking into account technical information provided by NZTA and the LVVTA such as Low Volume Vehicle Code, Standards, Survey Sheets, Information Sheets, and LVVTA Member Association Technical Manuals.	NZTA will: <ul style="list-style-type: none"><li>• talk to you</li><li>• observe you at work</li><li>• inspect the modifications on vehicles while you are certifying the vehicles, or after you have certified the vehicles</li><li>• inspect inspection and certification documents you use and complete.</li></ul>
7.2	<b>Technical competence</b>	

	What NZTA expects of you	How NZTA will assess your performance
<p>You are competent in all technical aspects relating to <i>Category 3A Disability adaptation</i> modifications. This means you are competent in:</p> <ul style="list-style-type: none"> <li>the assessment of <i>Category 3A Disability adaptation</i> modifications including</li> </ul>	<p>NZTA will:</p> <ul style="list-style-type: none"> <li>talk to you</li> <li>ask questions to check your competence relating to any of the modifications, and your assessment of the modifications</li> <li>observe you at work</li> <li>inspect inspection and certification documents you use and complete</li> <li>inspect your <a href="#">Training record</a>.</li> </ul> <p>NZTA may administer a short test on <i>Category 3A Disability adaptation</i> modifications, and the assessment of <i>Category 3A Disability adaptation</i> modifications.</p>	

	What NZTA expects of you	How NZTA will assess your performance
7.3	<b>Technical equipment</b>	
	<ul style="list-style-type: none"> <li>• You have, or have access to:</li> <li>• a stop-watch or other device capable of measuring average deceleration</li> <li>• an LVVTA h-frame or h-point template</li> <li>• a steel ruler and a tape measure</li> <li>• a hand-held inspection lamp</li> <li>• a mirror</li> <li>• a hand-tool selection.</li> </ul> <p>The equipment is in good condition and working order.</p>	<p>NZTA will inspect your technical equipment.</p>

## Scores

	Score			
	0	1	2	3
	<b>Correct technical decisions</b>			
7.1	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>likely</b> to compromise the safety of the vehicle occupants or other road users.</p>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance <b>may</b> compromise the safety of the vehicle occupants or other road users.</p>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</p>	<p>You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements.</p>
7.2	<b>Technical competence</b>			

Score			
<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>some competence</b> in the technical aspects relating to <i>Category 3A Disability adaptation</i> modifications, or</li> <li>• a level of competence that <b>may</b> compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>some gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 3A Disability adaptation</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining processes</li> </ul> </li> </ul> <p>This means there are <b>signi gaps</b> in your know of, and skills in:</p>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>adequate competence</b> in the technical aspects relating to <i>Category 3A Disability adaptation</i> modifications, or</li> <li>• a level of competence that is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>minor gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 3A Disability adaptation</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining processes</li> </ul> </li> </ul>	<p>You demonstrate <b>comprehensive competence</b> in all technical aspects relating to <i>Category 3A Disability adaptation</i> modifications.</p> <p>This means you demonstrate <b>comprehensive knowledge</b> of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 3A Disability adaptation</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> <li>◦ the assessment of the suitability of the modifications and their</li> </ul> </li> </ul>	

	<b>Score</b>			
	<b>Technical equipment</b>			
<b>7.3</b>	Not all of the specified equipment is available. Where equipment is available, some or all of it is not in working order.	All of the specified equipment is available and in working order, but some or all of it is in poor condition.	All specified equipment is available, in working order, and in at least adequate condition.	All specified equipment is available and in good condition and working order.

## 8 3B Disability adaptation - structures

### Requirements

	What NZTA expects of you	How NZTA will assess your performance
	<b>Correct technical decisions</b>	
8.1	You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements, taking into account technical information provided by NZTA and the LVVTA such as Low Volume Vehicle Code, Standards, Survey Sheets, Information Sheets, and LVVTA Member Association Technical Manuals.	NZTA will: <ul style="list-style-type: none"><li>• talk to you</li><li>• observe you at work</li><li>• inspect the modifications on vehicles while you are certifying the vehicles, or after you have certified the vehicles</li><li>• inspect inspection and certification documents you use and complete.</li></ul>
8.2	<b>Technical competence</b>	

	What NZTA expects of you	How NZTA will assess your performance
<p>You are competent in all technical aspects relating to <i>Category 3B Disability adaptation - structures modifications</i>. This means you are competent in:</p> <ul style="list-style-type: none"> <li>the assessment of <i>Category 3B Disability adaptation - structures modifications</i> including</li> </ul>	<p>NZTA will:</p> <ul style="list-style-type: none"> <li>talk to you</li> <li>ask questions to check your competence relating to any of the modifications, and your assessment of the modifications</li> <li>observe you at work</li> <li>inspect inspection and certification documents you use and complete</li> <li>inspect your <a href="#">Training record</a>.</li> </ul> <p>NZTA may administer a short test on <i>Category 3B Disability adaptation - structures modifications</i>, and the assessment of <i>Category 3B Disability adaptation - structures modifications</i>.</p>	

	What NZTA expects of you	How NZTA will assess your performance
8.3	<b>Technical equipment</b>	
	<p>You have, or have access to:</p> <ul style="list-style-type: none"> <li>• a stop-watch or other device capable of measuring average deceleration</li> <li>• an LVVTA h-frame or h-point template</li> <li>• a steel ruler and a tape measure</li> <li>• a hand-held inspection lamp</li> <li>• a mirror</li> <li>• a hand-tool selection.</li> </ul> <p>The equipment is in good condition and working order.</p>	<p>NZTA will inspect your technical equipment.</p>

## Scores

Score				
	0	1	2	3
8.1	<b>Correct technical decisions</b>			
	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>likely</b> to compromise the safety of the vehicle occupants or other road users.</p>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance <b>may</b> compromise the safety of the vehicle occupants or other road users.</p>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</p>	<p>You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements.</p>
8.2	<b>Technical competence</b>			

<b>Score</b>			
<p>You demonstrate</p>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>some competence</b> in the technical aspects relating to <i>Category 3B Disability adaptation - structures</i> modifications, or</li> <li>• a level of competence that <b>may</b> compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>some gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 3B Disability adaptations – structures</i> modifications, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types, manufacturing and machining</li> </ul> </li> </ul>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>adequate competence</b> in the technical aspects relating to <i>Category 3B Disability adaptation - structures</i> modifications, or</li> <li>• a level of competence that is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>minor gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 3B Disability adaptations – structures</i> modifications, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types, manufacturing and</li> </ul> </li> </ul>	<p>You demonstrate <b>comprehensive competence</b> in all technical aspects relating to <i>Category 3B Disability adaptation - structures</i> modifications.</p> <p>This means you demonstrate <b>comprehensive knowledge</b> of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 3B Disability adaptations – structures</i> modifications, including: <ul style="list-style-type: none"> <li>○ the identification of any modifications such as non-OE components and systems</li> <li>○ the identification of the source of any non-OE components and systems</li> <li>○ the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> <li>○ the assessment of the suitability of the</li> </ul> </li> </ul>
<p>This means there are <b>significant gaps</b> in your knowledge of, and skills</p>			

**Score**

**Technical equipment**

**8.3**

Not all of the specified equipment is available. Where equipment is available, some or all of it is not in working order.

All of the specified equipment is available and in working order, but some or all of it is in poor condition.

All specified equipment is available, in working order, and in at least adequate condition.

All specified equipment is available and in good condition and working order.

## 9 4 Electric vehicles

### Requirements

	What NZTA expects of you	How NZTA will assess your performance
	<b>Correct technical decisions</b>	
<b>9.1</b>	You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements, taking into account technical information provided by NZTA and the LVVTA such as Low Volume Vehicle Code, Standards, Survey Sheets, Information Sheets, and LVVTA Member Association Technical Manuals.	NZTA will: <ul style="list-style-type: none"><li>• talk to you</li><li>• observe you at work</li><li>• inspect the modifications on vehicles while you are certifying the vehicles, or after you have certified the vehicles</li><li>• inspect inspection and certification documents you use and complete.</li></ul>
<b>9.2</b>	<b>Technical competence</b>	

	What NZTA expects of you	How NZTA will assess your performance
<p>You are competent in all technical aspects relating to <i>Category 4 Electric vehicles</i> modifications. This means you are competent in:</p> <ul style="list-style-type: none"> <li>the assessment of <i>Category 4 Electric vehicles</i> modifications including</li> </ul>	<p>NZTA will:</p> <ul style="list-style-type: none"> <li>talk to you</li> <li>ask questions to check your competence relating to any of the modifications, and your assessment of the modifications</li> <li>observe you at work</li> <li>inspect inspection and certification documents you use and complete</li> <li>inspect your <a href="#">Training record</a>.</li> </ul> <p>NZTA may administer a short test on <i>Category 4 Electric vehicles</i> modifications, and the assessment of <i>Category 4 Electric vehicles</i> modifications.</p>	

	What NZTA expects of you	How NZTA will assess your performance
9.3	<b>Technical equipment</b>	
	<p>You have, or have access to:</p> <ul style="list-style-type: none"> <li>• an appropriate road for conducting brake testing</li> <li>• a stop-watch or other device capable of measuring average deceleration</li> <li>• an LVVTA h-frame or h-point template</li> <li>• a steel ruler and a tape measure</li> <li>• a hand-held inspection lamp</li> <li>• a mirror</li> <li>• duct or similar adhesive tape</li> <li>• a string-line</li> <li>• a 35% VLT tint sample or a light transmission meter</li> <li>• a hand-tool selection.</li> </ul> <p>The equipment is in good condition and working order.</p>	<p>NZTA will inspect your technical equipment.</p>

## Scores

	Score			
	0	1	2	3
	<b>Correct technical decisions</b>			
9.1	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>likely</b> to compromise the safety of the vehicle occupants or other road users.</p>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance <b>may</b> compromise the safety of the vehicle occupants or other road users.</p>	<p>You do not thoroughly inspect all modifications or correctly determine if the modifications comply with all legal requirements.</p> <p>The area of non-compliance is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</p>	<p>You thoroughly inspect all modifications and correctly determine if the modifications comply with all legal requirements.</p>
9.2	<b>Technical competence</b>			

		<b>Score</b>			
		<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
You demonstrate	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>some competence</b> in the technical aspects relating to <i>Category 4 Electric vehicles</i> modifications, or</li> <li>• a level of competence that <b>may</b> compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>some gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 4 Electric vehicles</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining processes</li> </ul> </li> </ul>	<p>You demonstrate:</p> <ul style="list-style-type: none"> <li>• <b>adequate competence</b> in the technical aspects relating to <i>Category 4 Electric vehicles</i> modifications, or</li> <li>• a level of competence that is <b>unlikely</b> to compromise the safety of the vehicle occupants or other road users.</li> </ul> <p>This means there are <b>minor gaps</b> in your knowledge of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 4 Electric vehicles</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining</li> </ul> </li> </ul>	<p>You demonstrate <b>comprehensive competence</b> in all technical aspects relating to <i>Category 4 Electric vehicles</i> modifications.</p> <p>This means you demonstrate <b>comprehensive knowledge</b> of, and skills in:</p> <ul style="list-style-type: none"> <li>• the assessment of <i>Category 4 Electric vehicles</i> modifications, including: <ul style="list-style-type: none"> <li>◦ the identification of any modifications such as non-OE components and systems</li> <li>◦ the identification of the source of any non-OE components and systems</li> <li>◦ the identification and assessment of material types, manufacturing and machining processes (where applicable)</li> <li>◦ the assessment of the suitability of the</li> </ul> </li> </ul>		
This means there are <b>significant gaps</b> in your knowledge of, and					

	<b>Score</b>			
	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
	<b>Technical equipment</b>			
<b>9.3</b>	Not all of the specified equipment is available. Where equipment is available, some or all of it is not in working order.	All of the specified equipment is available and in working order, but some or all of it is in poor condition.	All specified equipment is available, in working order, and in at least adequate condition.	All specified equipment is available and in good condition and working order.