

VIRM In-service certification (WoF and CoF) Heavy vehicles

8-1 Service brake, parking brake and heavy vehicle emergency brake

Reason for Rejection 52

52. A modification that affects the brake system has not been inspected and certified by a heavy vehicle specialist certifier unless the vehicle:

- a) is exempted from the requirement for heavy vehicle specialist certification ([Table 8-1-7](#)), and
- b) has been inspected in accordance with the requirements in this manual, including those for equipment, condition and performance.

Table 8-1-6. Heavy vehicle brakes: certification requirements for class NB and NC vehicles

Conditions applying	Requirements
<p>Operated in a combination with a $GM^{2>39} \leq 44$ t, and</p> <ul style="list-style-type: none"> • first registered in New Zealand before 1 March 2007, and • not modified on or after 1 March 2007 (includes vehicles modified before 1 March 2007) 	<p>Existing applicable certification:</p> <ul style="list-style-type: none"> • IHVBS(1) Interim Performance Specification for Heavy Vehicle Braking, or • IHVBS(2) Heavy vehicle braking specification of 6 December 1998, or • HVBC(1) Heavy Vehicle Brake Code, First Edition 1991, or • HVBC(2) Heavy vehicle brake code, second edition
<p>Modified³ in New Zealand 1 March 2007–30 June 2008, and</p> <ul style="list-style-type: none"> • operated in a combination with a $GM^{2>39} \leq 44$ t. 	<p>Applicable certification:</p> <ul style="list-style-type: none"> • IHVBS(2) Heavy vehicle braking specification of 6 December 1998, or • HVBC(2) Heavy vehicle brake code, second edition, or • HVBNZ New Zealand heavy vehicle brake specification¹
<p>Modified³ in New Zealand 1 March 2007–30 June 2008</p>	<p>Heavy vehicle specialist certification</p>

Conditions applying	Requirements
Modified ³ in New Zealand on or after 1 July 2008, and without a towing connection for towing a heavy trailer.	Applicable certification: <ul style="list-style-type: none"> • HVBNZ New Zealand heavy vehicle brake specification¹, or • 6.1(2)(b) of Heavy Vehicle Brake Rule (stopping tests)¹
Modified ³ in New Zealand on or after 1 July 2008, and with a towing connection for towing a heavy trailer When an alteration or modification requires brake certification, the lead HVSC for a project must ensure that brake certification is carried out and that an HVEK LT400 is issued prior to HVSC certification for the finished project. The responsibility for obtaining brake certification cannot be delegated to another certifier or the vehicle owner or any other entity.	Applicable requirements: <ul style="list-style-type: none"> • Brake modification LT400, or • Towing connection LT400, or • Chassis modification LT400

¹ Except where a vehicle originally complied with one of the approved vehicle standards for brakes continues to meet the technical and performance requirements of the standard with which it originally complied.

²**GM** means gross mass (see definitions in the [Introduction](#)).

³**Modified** in this case means to change the vehicle or its braking system since the last brake certification or in-service inspection by altering, substituting, adding or removing any structure, system, component or equipment that may affect the brakes and includes, but is not limited to:

- altering a vehicle's wheelbase, except where a new standards compliant vehicle of NB or NC class is undergoing entry certification (Chassis LT400 is required)
- fitting a towing connection to tow another heavy vehicle, except where a new standards compliant vehicle of NB or NC class is undergoing entry certification (Towing connection LT400 is required)
- adding or removing an axle, (e.g. 4X2 to 6X2 or any other axle configuration)
- changing the vehicles duty (e.g. rigid to tractor/tractor to rigid or non-towing to towing)
- where the vehicle's original manufactured axle rating or GVM is changed, except where an axle rating or GVM decrease is applied to a standards compliant NB or NC class vehicle (Chassis LT400 is required)

VIRM In-service certification (WoF and CoF) Heavy trailers

5-1 Service brake, parking brake, emergency brake and breakaway brake

Reason for Rejection 41

41. A modification that affects the brake system has not been inspected and certified by a heavy vehicle specialist certifier unless the vehicle:

- a) is exempted from the requirement for heavy vehicle specialist certification ([Table 5-1-4](#)), and
- b) has been inspected in accordance with the requirements in this manual, including those for equipment, condition and performance.

Table 5-1-3. Heavy vehicle brakes: certification requirements for class TC and TD vehicles

Conditions applying	Requirements
Operated in a combination with a GM ¹ >39 ≤44 t, and <ul style="list-style-type: none"> • first registered in New Zealand before 1 March 2007, and • not modified on or after 1 March 2007 (includes vehicles modified before 1 March 2007) 	Existing applicable certification: <ul style="list-style-type: none"> • IHVBS(1) Interim Performance Specification for Heavy Vehicle Braking • IHVBS(2) Heavy vehicle braking specification of 6 December 1998 • HVBC(1) Heavy Vehicle Brake Code, First Edition 1991 • HVBC(2) Heavy vehicle brake code, second edition
Operated in a combination with a GM ¹ >39 ≤44 t, and <ul style="list-style-type: none"> • first registered or modified² in NZ 1 March 2007–30 June 2008 	Applicable certification: <ul style="list-style-type: none"> • IHVBS(2) Heavy vehicle braking specification of 6 December 1998, or • HVBC(2) Heavy vehicle brake code, second edition, or • HVBNZ New Zealand heavy vehicle brake specification
Modified ² in NZ 1 March 2007–30 June 2008	Heavy vehicle specialist certification
First registered or modified ² on or after 1 July 2008	Applicable certification: <ul style="list-style-type: none"> • HVBNZ New Zealand heavy vehicle brake specification

¹ **GM** means gross mass (see definitions in the Introduction)

² **Modified** in this case means to change the vehicle or its braking system from its since the last brake certification or in-service inspection by altering, substituting, adding or removing any

structure, system, component or equipment that may affect the brakes and includes, but is not limited to:

- altering a vehicle's wheelbase
- fitting a tow connection to tow another heavy vehicle
- adding or removing an axle (e.g. 3-axle to 4-axle full trailer or tri-axle to quad axle semi-trailer)
- changing the vehicles duty (e.g. simple trailer to full trailer or semi-trailer, or any other duty)
- changing an axle rating, or GVM