

Stand-alone modification code for use in Queensland only.

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Modification Code S10 — Concessional Livestock Loading - Vehicle Rating

1. Scope

The purpose of this code is to ensure vehicles used to transport livestock in Queensland comply with the intent of the scheme under which they operate. The code requires an appropriately qualified and accredited approved vehicle examiner (AVE) to evaluate both the capacity and distribution of the load owing to fuels, water and livestock when subjected to specified loading conditions.

This document is to be read in conjunction with the current version of the relevant Heavy Vehicle National Law (HVNL), Class 3 Loading Exemption Notice as published in the Queensland Gazette. Refer to the <u>Heavy Vehicle National Law - Queensland Class 3 Livestock Loading Exemption Notice 2019</u> and associated <u>Operators Guide</u> (the Scheme).

Modifications covered under this code:

Covered

- Rating of prime movers or converter dolly trailers intended to be used for the transportation of livestock in Queensland, using the Scheme.
- Rating of rigid trucks, trailers or semitrailers fitted with single or multiple deck stock crates intended to be used for the transportation of livestock in Queensland, using the Scheme.

Not covered

- Rating of vehicles not used for the transportation of livestock.
- Rating of rigid trucks, trailers or semitrailers, not fitted with a single or multiple deck stock crate.

2. Related standards

Modified vehicles must comply with all relevant Australian Design Rules (ADRs), Australian Standards, acts and regulations. Below are some, but not all of the areas that may be affected by the modifications in this code and require certification, testing or evidence to demonstrate compliance.

The certifier must ensure that the vehicle continues to comply with all related ADRs.

ADR no.	Title
13/	Installation of Lighting
24, 24A, 24/	Tyre & Rim Selection
28/, 83/	External Noise of Motor Vehicles
30, 30/	Smoke Emission Control for Diesel Vehicles
35, 35A, 35/	Commercial Vehicle Brake Systems
38, 38/	Trailer Braking Systems
36,36A, 36/,	Emission Control for Heavy Vehicles
70/, 80/	
42/	General Safety Requirements
44/	Specific Purpose Vehicle Requirements
62/	Mechanical Connections between Vehicles
63/	Trailers Designed for Use in Road Trains
64/	Heavy Goods Vehicles Designed for Use in Road
	Trains & B-doubles
65/	Maximum Road Speed Limiting for Heavy
	Goods Vehicles and Heavy Omnibuses

3. Certification procedure

The compliance procedure for this modification code is as follows:

	JVV 3.	
1.	Owner /supplier	Determine if the vehicle's basic design, i.e. axle configuration, deck configurations, etc. meets the general requirements of the Scheme. • If yes, proceed to step 3. • If no, proceed to step 2.
2.	Owner /supplier	The vehicle is not eligible to operate under the Scheme.
3.	Owner /supplier	Contact an accredited S10 AVE and supply the vehicle specifications or organise the vehicle to be inspected by the AVE.
4.	S10 AVE	Perform a detailed inspection of the vehicle against all applicable requirements of this modification code. Complete the applicable S10 checklist and determine if compliance has been achieved. • If yes, proceed to step 5.
		• If no , do not proceed, advise owner/supplier of the non-compliance and if rework is required to ensure compliance. Return to step 3.
5.	S10 AVE	Issue modification certificate, affix S10 livestock loading modification plate and submit paperwork as required by the relevant AVE registration scheme.

AVEs must be satisfied that the vehicle modification requirements are being met. It is advised that before modifications are carried out they be discussed with the certifying AVE.

Advanced braking systems

Advanced braking systems are an important safety feature fitted to many new vehicles.

Advanced braking systems are programmed by the vehicle manufacturer and are specific to the vehicle to which they are fitted. Changes made to the vehicle, such as engine, tyre size, steering control, suspension characteristics, vehicle mass and its distribution, may impact the performance of the advanced braking system.

Exercise extra caution when modifying vehicles fitted with advanced braking systems. Electric braking systems may be known as:

- electronic stability control (ESC)
- electronic stability program (ESP)
- vehicle stability control (VSC)
- dynamic stability control (DSC)
- vehicle stability assist (VSA)
- roll stability control (RSC)
- roll control system (RCS)
- electronic braking system (EBS)
- trailer electronic braking system (TEBS).

Advanced braking systems and their components may be easily damaged by common modification, maintenance and servicing techniques, such as the use of rattle guns within one metre of the sensors. When undertaking any work on a vehicle fitted with an advanced braking system, ensure all modifiers are familiar with these systems and the precautions that must be taken.

Ensure that before undertaking any modification on a vehicle that is fitted with an advanced braking system, the modifier and approved vehicle examiner (AVE) consult with the vehicle manufacturer to determine the impact on the system.

4. Compliance requirements

When certifying a vehicle under this modification code, the load imposed on all components must remain within manufacturer's rated capacities. This includes the GVM/ATM and GCM ratings approved by the vehicle manufacturer. Where a vehicle's rating has been modified and certified in accordance with VSB6, apply the revised ratings.

Required:

- Check suspension, axle, drive train, chassis, brakes, steering, wheel (rim and tyre) capacities are not exceeded.
- Ensure all relevant checklists, along with the applicable declarations, have been completed and are retained for at least seven years after the certification of the vehicle.
- Retain records of analysis, work records, test results, evidence, sketches, vehicle data and calculation sheets for at least seven years after the certification of the vehicle.
- Ensure vehicles comply with additional conditions detailed in the Scheme.

Livestock loading S10 modification plate

Once certified, all vehicles must be affixed with an approved S10 modification plate.

Required:

- Ensure the modification plate includes the following details:
 - Date (at least month/year)
 - Accreditation (AVE/approved person) number
 - Certificate number
 - Vehicle identification number (VIN)
 - Vehicle S10 Laden Mass⁼
 - Front Axle Group/Kingpin S10 Laden Mass⁼
 - Rear Axle Group S10 Laden Mass⁼
 - Unladen Mass⁼.
 - [■] Refer to definitions in the Glossary.

Vehicle manufacturer's rating plate

For a vehicle to be eligible for certification under this modification code, a manufacturer's rating plate (or label) must be fitted by the original vehicle manufacturer. Alternatively, if the vehicle has been modified in accordance with VSB6, revised ratings as shown on the VSB6 Modification Plate may be used in addition to the vehicle manufacturer's ratings.

Required:

- For motor vehicles, the manufacturer's rating plate must include the following information:
 - Date (at least month/year)
 - Vehicle manufacturer's company name
 - Vehicle identification number (VIN)
 - Vehicle model
 - Gross vehicle mass (GVM) rating
 - Gross combination mass (GCM) rating
 - Maximum steer axle/axle group rating
 - Maximum rear axle group rating

- Tyre size steer axle(s) (size and total load rating)
- Tyre size rear axles (size and total load rating).

→ The fifth wheel/turntable rating must also be permanently marked on the fifth wheel/turntable and/or, the truck, in a prominent location.

- For trailers, the manufacturer's rating plate must include the following information:
 - Date (at least month/year)
 - Vehicle manufacturer's company name
 - Vehicle identification number (VIN)
 - Vehicle model
 - Aggregate trailer mass (ATM) rating
 - Gross trailer mass (GTM) rating.
- Trailers must be fitted with a supplemental plate that includes the following information:
 - Maximum front axle/axle group rating (if applicable)
 - Maximum rear axle group rating
 - Tyre size front axle(s) (size and total load rating) if applicable
 - Tyre size rear axles (size and total load rating).

▶ If using a supplemental label, the information is to be embossed, indented, etched or engraved on a durable label which is welded, riveted or otherwise permanently attached in a readily visible position. Lettering must not be less than 2.5mm in height. The supplemental label may contain additional information.

5. Design requirements

Dimension requirements

Required:

- Ensure that stock crate heights and loaded deck lengths do not exceed the conditional dimension requirements listed in the Scheme.
- Ensure vehicles continue to comply with all other regulatory dimension limits.

Deck number limits

Required:

- Ensure the number of decks used to transport livestock does not exceed:
 - 2 for cattle
 - 3 for pigs
 - 4 for sheep.

Tow coupling requirements

Required:

- Ensure that D value ratings meet the minimum requirements detailed in the Scheme.
- Ensure any modifications performed to tow couplings are performed in accordance with Section P of VSB6.

Tyre and rims

Required:

- Ensure manufacturer's load carrying capacity of all tyres and rims is not exceeded.
- Where a vehicle is required by an ADR to be fitted with a 'tyre placard', ensure that tyre and rims continue to conform to the specifications detailed on the tyre placard.

- Where an S10 imposed loading exceeds 6.5t on a vehicle fitted with a single front steer axle or 11t for a twin steer, ensure the tyre section width:
 - is in accordance with the vehicle manufacturer's specification, or an approved axle configuration and
 - complies with the requirements of the Scheme.
- Ensure, where non-standard wheels are fitted, the modification is performed and certified in accordance with the applicable sections of VSB6:
 - Modification code E3 Fitting of non-standard front wheel components
 - Modification code D3 Fitting of non-standard rear wheel components.

S10 Conditional mass requirements

Vehicles certified under this code must provide documentation that demonstrates the weight distribution in both laden and unladen states.

Required:

Follow the steps detailed in the relevant S10 vehicle Checklist. As an overview, those steps include the following:

- Weigh unoccupied vehicle at a registered public weighbridge.
- Record the mass on the steer and rear axle group(s) giving consideration to:
 - equipment fitted to vehicle when used in normal operation (e.g. toolboxes, fridges etc.)
 - fluid reservoirs filled to capacity (less ullage where appropriate).
- Ensure the total mass and weight distribution is calculated and documented, in the both the Unladen mass state and in the laden state with the Imposed livestock load applied. As an interim step, it may be necessary to complete weight distribution calculations for Unladen dry mass and for Additional equipment not fitted at the time of weighing the vehicle.
- Ensure that, when combined, the unladen mass and imposed load (Vehicle S10 laden mass) does not exceed manufacturer's ratings.
- Ensure the Vehicle S10 laden mass does not exceed the conditional mass limits listed in the Scheme.

Unladen mass

Unladen mass is the mass of the vehicle in running order where the vehicle is unoccupied and has:

- all fluid reservoirs filled to capacity
- all standard equipment fitted
- additional equipment used in normal operation fitted.

Recommended:

- Weigh unoccupied vehicle in its operational state (i.e. with all equipment installed all fluid reservoirs filled to operating capacity).
- Where the vehicle is weighed with fluid reservoirs partially full, note the fluid levels on board at the time the vehicle was weighed. Deduct the mass of these fluids to calculate the Unladen dry mass of the vehicle. The Unladen (wet) mass is then calculated by adding the mass of fluids using the method detailed under *Mass of fluids*.

Dry mass = weighbridge mass less the mass of fluids when weighed **Mass of fluids** = volume of each tank multiplied by nominal fluid density value

Unladen (wet) mass = Dry mass + Mass of fluids

Mass of fluids

It may not be reasonable, or practical, for the vehicle to be weighed with all fluid reservoirs filled.

Required:

- Calculate the mass of fuel/AdBlue/water in each tank by multiplying the nominal volume of each tank by:
 - 0.84kg/l for diesel
 - 1.1kg/l for AdBlue
 - 1.0kg/l for water.
- For diesel and AdBlue tanks, apply an ullage factor of 5% (multiply the nominal volume of each tank by 0.95). Where the 'Actual' or 'Rated' volumes of the diesel and/or AdBlue tanks are available, an ullage factor is not to be applied.
- Effluent tanks (if fitted) are assumed to be empty when livestock are first loaded onto the vehicle, hence no fluid mass is added for effluent for any of the S10 mass calculations.

Imposed load

Calculating the mass of livestock load imposed on the vehicle using the following method:

Required:

- For prime movers and converter dolly trailers apply 15,000kg vertically through the centre of the fifth wheel coupling to simulate loading from a laden semitrailer.
- To calculate the simulated maximum load limit for rigid trucks and trailers:
 - calculate the Total Deck Space (TDS) available for the carriage of livestock in square metres
 - identify the livestock to be carried and apply the simulated livestock weight (SLW) listed in table 1.
 - where the vehicle is fitted with multiple decks, ensure calculations include the TDS of all decks.
- Measure the average length, and width of each livestock section. In cases where the compartment is a non-regular shape, it may be easier to divide the compartment into smaller sections of regular shape (rectangular or square).
- Calculate the additional mass on the front and rear axle group(s) due to the imposed (S10) loading using the below method, for each stock deck.

Single deck

Imposed load $(kg) = SLW \times TDS$

Table 1: Simulated livestock weights

Livestock	Simulated Livestock Weight (SLW)
Cattle	420kg/m ²
Pig	280kg/m²
Sheep	210kg/m ²

→ Refer to the *Heavy Vehicle National Law - Queensland Class 3*<u>Livestock Loading Exemption Notice 2019</u> and associated
<u>Operators Guide</u> for more information on *conditional mass*requirements, including maximum axle mass limits.

Weight distribution calculations

Calculation of weight distribution for a vehicle requires determination of the Centre of Mass (CoM) for the various elements (i.e. fluid tanks/stock compartments) involved. These measurements are normally available from the vehicle and equipment manufacturer data sheets, or the body builder who completed work on the vehicle. Use an outline diagram, to approximate scale, to simplify the process and provide a useful aid to check body length and other critical dimensions.

Required:

- Complete the weight distribution calculations detailed in the relevant \$10 vehicle Checklist.
- A copy of all weight distribution calculations must be attached to the Checklist document/s.

Recommended:

- A suitable weight distribution program/software is used to perform all weight distribution calculations.
- Alternatively, if a suitable weight distribution program/software is not available, the following formulas can be used to calculate the distribution of mass imposed on axle groups.

A separate calculation using each of these formulas will be required for each reservoir, compartment, accessory, equipment, etc, on the vehicle.

Forward Axle Mass

$$FAM = \left(\frac{D}{WB}\right) x M$$

Rearward Axle Mass

$$RAM = \left(\frac{WB - D}{WB}\right) x M$$

¥ Note:

M = known, or calculated mass of the, reservoir, compartment, accessory, equipment, etc

WB = distance between front most axle and centre of rear axle group (wheelbase)

D = Distance from centre of mass of the, reservoir, compartment, accessory, equipment, etc to centre of rear axle group

S10 Checklist—Concessional livestock loading – Vehicle rating

S10 Checklist - Rigid Truck (example)

S10 Checklist—	Concessio	onal liv	estock loa	ading – V	ehicle rat	ing (ri	gid tr	uck)
Part A - Vehicle owner	's or supplier	's details							
Name:		Cor	mpany/business:						
Address:						F	ost code:		
Vehicle and modifier d	etails								
Vehicle make: Vehicle model: Month and year of manufacture:						:			
VIN (if applicable):		Vehicle ch	assis no. (if applic	able):	Engine no:				
Issued by (Approved Vehic	le Examiner (AV	E)):	Company (if app	plicable):			AVE no	u:	
Signed:			Telephone:				Date:		
Vehicle design								1	
Vehicle dimensions									
Overall vehicle length:		Wheelbase:			Rear overhau	ng:			
Vehicle rating (information	mm	d ab - a			mm	n			mm
Gross Vehicle Mass (GVM)		a on the tri			or vabo approva (GCM) rating:	11)			
or our vernice mass (or m)	aung.		kg		(Jenny ruemigr				k
Component specifications (the following in	formation :	should be based o	n the truck ma	nufacturer's spec	ifications o	r VSB6 ap	prova	I)
Component	Make:		Model:		Load rating (with	n S10 specif	ied tyres)	:	
Steering box and linkage(s)									kg
Suspension – Steer axle(s)									kg
Suspension – Rear axle group									kg
Axles	Make:		Model:		Load rating (with \$10 specified tyr		er Loads	haring	j:
Front axle group						kg	Y□N	N D N	/A 🗆
Rear axle group						kg			
Tyres	Size designati	on:	Load index:	Capacity per	tyre:	Total axle	group tyr	е сара	city:
Front axle group					kg				kg
Rear axle group					kg	:			kg
Coupling	Make:		Model:				D-valu	e:	
Fifth wheel/turntable									kΝ
Assessment									
Assessment	Contract of the last		es, No as applicat	ole: (If No, do n	ot proceed with t	the rating)		Yes	No
1 Are all drive axles fitted				and the same at the				-	
 Is the vehicle's steering Is the vehicle designed 		itner single	steer or twin-stee	r with load sha	ing suspension?				
 Is the vehicle designed one single deck stock 		steer, singl	e drive vehicle cor	nfigurations; or					
one or more deck sto	ck crates for all	other vehic	le configurations?						
4 Is the vehicle fitted with			auta au						
a single drive axle for								_	
at least tandem drive				1. 405.0					_
5 Is the overall length of 6 Is the overall width of t					aximum vehicle w	idth (for ex	ample,		
2.5m)?			-			·			_
Vehicle chassis no./VIN:		Date:			Signed:				

S10 Checklist—Concession	al livestock loading – Veh	icle rating (rigid t	truck	()
Assessment C	heck Yes, No as applicable: (If No, do not pr	nceed with the rating)	Yes	. No
7 Is the overall height of the vehicle less than		occu marare rading/		
4.3m for single deck crate; or				
4.6m for multiple deck crates?				
8 Is the rating of any fitted couplings greater t	han or equal to:			_
For Type 2 road train hauling units 172k	•			
• For other units 162k				
Advanced braking systems	N.F.			_
	Check Yes, No, N/A as applicable: (If No do n	of proceed with the rating)	Yes N	o N/A
1 Is the advanced braking system (where fitted)				
Compliance				
Modification	Check Yes, No as applicable: (If No, do n	ot proceed with the rating)	Yes No	1
1 Is the quality of the work to an accepted indus				
2 Does the modified vehicle continue to comply	with all affected ADRs?			
Part B - Unladen mass			1	
Weigh vehicle				
 Weigh vehicle at a registered public weighbrid 	ge and record quantities of fuel. AdBlue and	water at the time of weighing		
Ensure vehicle is weighed without driver.				
Attach a copy of the weighbridge ticket in the	space provided at the end of Part B.			
Front axle group mass (F1):				K
Rear axle group mass (R1):				Ke
Weighbridge ticketed mass (F1 + R1):				K
Fuel:				- 1
AdBlue:				ı
Water:				ı
List all standard equipment fitted to the truck toolbox(s). The stock crate/body, gates, efflue It is recommended that detailed photographs fitted.	nt tanks, etc. and OH&S equipment must be are taken of the vehicle at the time of weighi	included.		
Attach all photos in the space provided at the	end of Part B.			
Standard equipment list at time of weighing:				
7 10				
Additional aminos				
Additional equipment Plan of additional equipment (including fluid ta	nks)			
Vehicle chassis no./VIN: D	ate:	Signed:		

Modification Code S10: Concessional Livestock Loading - Vehicle Rating - Version 2.0

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S10 Checklist—Concessional livestock loading – Vehicle rating (rigid truck)

- Draw a plan of the chassis layout showing the position of all the additional equipment that has been, or is planned to be, fitted to the
 truck after the time of weighing, items could include, but are not limited to: builbar, fluid tanks, sleeper cab air conditioning, spare
 wheel/prejs, jotolbox(s), refigerator(s) etc.
- Add to the plan drawing the position of all fuel, Adblue and water tanks.
- Attach all photos in the space provided at the end of Part B.

Chassis layout of additional equipment (including fluid tanks):

Calculated dry mass with standard and additional equipment

- Subtract any mass imposed on the front and rear axle group(s) due to fuel, AdBlue and water.
- Add the mass on the front and rear axle group(s) due to any additional equipment fitted after the time of weighing.
- A copy of weight distribution calculations must be attached to the end of Part B.

, , , , , , , , , , , , , , , , , , , ,	
Front axle group dry mass (F2):	kg
Rear axle group dry mass (R2):	kg
Vehicle dry mass with standard equipment and additional equipment (F2+R2):	kg

Unladen mass (wet mass)

Calculate the unladen or wet mass (with full fuel/AdBlue/water tanks added to dry mass of the steer and rear axle groups(s))

Calculate the mass of fuel/AdBlue/water in each tank (taking into account ullage factor) by multiplying the nominal volume of each

Vehicle chassis no./VIN:	Date:	Signed:

Modification Code S10: Concessional Livestock Loading - Vehicle Rating - Version 2.0

S10 Checklist—Concessional livestock loading – Vehicle rating (rigid truck)

tank by the density of its fluid.	
A copy of weight distribution calculations must be attached to the end of Part B.	
Front axle group unladen (wet) mass (F3):	k
Rear axle group unladen (wet) mass (R3):	k
Vehicle's unladen (wet) mass with filled fluid reservoirs (less ullage), standard equipment and additional equipment (F3+R3):	k

Additional Information Photos of vehicle and standard equipment at time of weighing: Weighbridge certificate:

Dry mass weight distribution calculations. From mass imposed on the front and rear axle group(s) due to additional equipment (that has been, or is to be added after the time of weighing). Also subtract the weight of fuel, AdBlue and water at the time of weighing:

Vehicle chassis no./VIN:	Date:	Signed:

10 Checklist—Concessio	nal livestock loading – Vel	nicle rating (rigid truck)		S10 Checklist—Concessio	nal livestock loading – Ve	hicle rating (rigid truck)
			,	Colonia and additional front and according		
					oup(s) mass due to the imposed livestock load	1
				Stock body/crate plan	areas on the vehicle that is available for the ca	
				locations.	areas on the venicle that is available for the ca	rriage of livestock including the vehicle axie
				One plan is required for each stock deck.		
					and rear axle group(s) due to the imposed live	setack land include all stock docks
	on calculations. From mass imposed on the fro			Calculate the additional mass on the front	and rear axie group(s) due to the imposed live	estock road, include all stock decks.
Blue and water tanks:						
				Note: A copy of weight distribution calculat	ions must be attached to this document.	
				Total livestock area, all decks:		
				Additional mass on front axle group mass d		
				Additional mass on rear axle group mass du Part D - \$10 Gross combined mass (G		
				Calculated S10 GCM		
					hicle using the formula provided in the Append	dix 1. Section (4), (c) of the Scheme.
				S10 gross combination mass rating required		, , , , , , , , , , , , , , , , , , , ,
				Part E - Vehicle S10 laden mass (rigid	тииску	
				S10 Laden mass		
				(calculated above) and the imposed live	d rear axle group(s) of the rigid truck by addin estock load masses (calculated in Part C above)	
				Front axle group S10 laden mass (F5) such t		
				Rear axle group \$10 laden mass (R5) such the	nat (R3+R4=R5):	
				Vehicle S10 laden mass (R5 + F5):		
				S10 Conditional mass requirement		
					nts that apply to the vehicle as detailed in the	Scheme Notice.
				Maximum mass limit, front axle group:		
			l e	Maximum mass limit, laden mass:		
Imposed livestock load (rigid	truck)			Modification	Check Yes, No as applicable: (If No, o	do not proceed with the rating) Yes No
e chassis no./VIN:	Date:	Signed:]	Vehicle chassis no./VIN:	Date:	Signed:
			† I			
		1	_		l .	

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S10 Checklist—Concessi	onal liv	estock loading	– Veh	icle rating (rigid	truck	
Are the maximum calculated S10 lader	masses less	than or equal to the \$10 St	tatutory live	estock loading limits?		
Rigid truck manufacturer's ratings	IIIasses less	trial of equal to the 310 St	latutory live	Stock lodding illinits:		
			andria burah			
Record information from the vehicle ma						
 Where the vehicle has been assessed/m modification plate. 	odified/re-ra	ted and approved in accord	dance with	VSB6, use the information fro	om the	
Maximum front axle group rating:						kg
Front axle group tyre size:						
Front axle group tyre capacity:						kg
Maximum rear axle group rating:						kg
Rear axle group tyre size:						
Rear axle group tyre capacity:						kg
Gross Vehicle Mass (GVM) rating:						kg
Gross Combination Mass (GCM) rating: Modification	Charle Van	No se sumificables (16 No. 4)	a alabaa da		V	kg
				not proceed with the rating)		No
Are the S10 laden masses (calculated a Livestock loading S10 plate	bove) iess th	an or equal to the vehicle s	manuracu	irer's ratings?		
Duplicate the below information on the	livestock loa	ding S10 plate (maroon in d	colour).			
Affix the plate to the cabin of the truck.						
Ensure all other fields on the Livestock leading.	pading (S10)	Plate ARE blanked out with	three (3),	or more, 'X' (For example: 'XX	(X')	
Date:						
Approved Vehicle Examiner/ Approved Po	erson Accred	itation Number:				
Certificate Number:						
Vehicle Identification Number (VIN) / Cha	ssis Number	:				
Vehicle laden S10 mass (from Part E):						kg
S10 Gross combination mass (from Part D	•					kg
Front axle group S10 laden mass (from Pa						kg
Rear axle group S10 laden mass (from Par						kg
S10 front tyre size/load rating (from Part				/		kg
\$10 rear tyre size/load rating (from Part				/		kg
Part F - Vehicle details and declara	tions					
AVE authorisation						
Declaration by certifier (AVE)						
I am the Approved Person who completed	all the mass	calculations and declare t	that the inf	ormation in this form is true	and corre	ct.
Issued by:		Company (if applicable):		AVE	E no.:	
Signed:		Telephone:		Dat	e:	
Owner/vehicle supplier authorisati	on					
As the <u>owner</u> / <u>supplier</u> (select appl vehicle equipment detailed herein are rep the AVE mentioned above to complete th	resentative (of the vehicle as it will ento	er into serv	ice and that I have enlisted t		s of
Name:	2 210 approv	Company (if applicable):	ma state/C	amgarauon.		
ivairie.		company (ii applicable).				
• • • • • • • • • • • • • • • • • • • •						
Address						
Signed:		Telephone:		Dat	e:	
Vehicle chassis no./VIN:	Date:			Signed:		
VEHICLE CHASSIS HO./ VIIV:	Date:			orgaleu.		

S10 Checklist – Prime Mover (example)

S10 Checklist—C	Concessio	nal liv	estock loa	ding – V	/ehicle rat	ing (pri	me n	nover)
Part A - Vehicle owner's	s or supplier'	s details						
Name:		Con	npany/business:					
Address: Post co				t code:				
Vehicle and modifier details								
Vehicle make:		Vehicle mo	del:		Month and	year of manu	facture:	
VIN (if applicable):		Vehicle cha	ssis no. (if applica	ible):	Engine no:			
Issued by (Approved Vehicle	Examiner (AVI	E)):	Company (if app	licable):			AVE no.	:
Signed:			Telephone:				Date:	
Vehicle design								
Vehicle dimensions								
Overall vehicle length:		Vheelbase:			Rear overhan	g:		
	mm				mm			mm
Vehicle rating (information s Gross Vehicle Mass (GVM) ra		on the tru			s or VSB6 approva s (GCM) rating:	1)		
Gross verlice iviass (GVIVI) I	aung:		kg	ibination ivias	s (OCIVI) raung:			kg
Component specifications (t	he following int	formation s	_	n the truck ma	nufacturer's speci	fications or \	/SB6 app	
Component	Make:		Model:		Load rating (with	S10 specifie	d tyres):	
Steering box and linkage(s)								kg
Suspension – Steer axle(s)								kg
Suspension – Rear axle group								kg
Axles	Make:		Model:		Load rating (with \$10 specified tyre		Load sh	naring:
Front axle group						kg	Y 🗆 N	□ N/A □
Rear axle group						kg		
Tyres	Size designation	on:	Load index:	Capacity per	tyre:	Total axle gr	oup tyre	capacity:
Front axle group					kg			kg
Rear axle group Coupling	Make:		Model:		kg		D-value	kg
Fifth wheel/turntable	ividic:		iviodei:				D-value	e: kN
Assessment								KI
Assessment		Check Ye	es. No as applicat	le: (If No. do r	not proceed with t	he rating)	Yes	No
1 Is the vehicle fitted with ta	ndem or tri-axle		,					
2 Are drive axles fitted with	dual tyres?							
3 Is the vehicle's steering co	nfiguration eith	er single ste	er or twin-steer w	ith load sharin	ng suspension?			
4 Is the overall length of the	vehicle, includi	ng fittings, l	ess than or equal	to 12.5m?				
5 Is the overall width of the	vehicle within th	ne Australia	n Design Rule defi	nition for maxi	imum vehicle widt	h (e.g. 2.5m)	· 🗆	
6 Is the overall height less th	an or equal to 4	1.3m?						
7 Is the rating of any fitted fi				or equal to:				
For Type 2 road :	•							
For Type 1 road:	train hauling un							
For other units		1231	dN?					
Vehicle chassis no./VIN:		Date:			Signed:			
,								

\$10 Checklist—Concessional livestock loading – Vehicle rating (prime mover)

Advanced braking systems

Braking systems	Check Yes, No, N/A as applicable: (If No do not proceed with the rating)	Yes	No	N/A
1 Is the advanced braking system (where fitte	d) un-affected or re-certified after the vehicle modification?			

Compliance

Modification	Check Yes, No as applicable: (If No, do not proceed with the rating)	Yes	No
1 Is the quality of the work to an a	ccepted industry standard?		
2 Does the modified vehicle conti	nue to comply with all affected ADRs?		

Part B - Unladen mass

weign venicle	
 Weigh vehicle at a registered public weighbridge and record of Ensure vehicle is weighed without driver. 	quantities of fuel, AdBlue and water at the time of weighing.
 Attach a copy of the weighbridge ticket in the space provided 	at the end of Part B.
Front axle group mass (F1):	
Rear axle group mass (R1):	
Weighbridge ticketed mass (F1 + R1):	
Fuel:	
AdBlue:	
Water:	
Standard equipment	
 List all standard equipment fitted to the truck at the time of v toolbox(s). 	veighing (e.g. bullbar, sleeper, cab air conditioning, spare wheel/tyre(s),

Water:			
Standard equipment			
 List all standard equipment fitted to the tru toolbox(s). 	uck at the time of weig	hing (e.g. bullbar, sleeper	r, cab air conditioning, spare wheel/tyre
 It is recommended that detailed photograp fitted. 	ohs are taken of the ve	hicle at the time of weigh	ing that capture all the standard equipr
 Attach all photos in the space provided at t 	the end of Part B.		
Standard equipment list at time of weighing:	:		

Venicie chassis no./ vin: Date: Signed:

S10 Checklist—Concessional livestock loading – Vehicle rating (prime mover)

Additional equipment

Plan of additional equipment (including fluid tanks)

- Draw a plan of the chassis layout showing the position of all the additional equipment that has been, or is planned to be, fitted to the
 truck after the time of weighing, items could include, but are not limited to: builbar, fluid tanks, sleeper cab air conditioning, spare
 wheel/fyre(s), toolbox(s), refrigerator(s) etc.
- · Add to the plan drawing the position of all fuel, Adblue and water tanks.
- Attach all photos in the space provided at the end of Part B.

Chassis layout of additional equipment (including fluid tanks):

Calculated dry mass with standard and additional equipment

- . Subtract any mass imposed on the front and rear axle group(s) due to fuel, AdBlue and water.
- Add the mass on the front and rear axle group(s) due to any additional equipment fitted after the time of weighing.
- A copy of weight distribution calculations must be attached to the end of Part B.

Front axle group dry mass (F2): kg
Rear axle group dry mass (R2): kg
Vehicle dry mass with standard equipment and additional equipment (F2+R2): kg

Vehicle chassis no./VIN:	Date:	Signed:

Modification Code S10: Concessional Livestock Loading - Vehicle Rating - Version 2.0

S10 Checklist—Concessional livestock loading – Vehicle rating (prime mover)

Unladen mass (wet mass)

Calculate the unladen or wet mass (with full fuel/AdBlue/water tanks added to dry mass of the steer and rear axle groups(s))

- Calculate the mass of fuel/AdBlue/water in each tank (taking into account ullage factor) by multiplying the nominal volume of each
 tank by the density of its fluid.
- A copy of weight distribution calculations must be attached to the end of Part B.

Front axle group unladen (wet) mass (F3):	kg
Rear axle group unladen (wet) mass (R3):	kg
Vehicle's unladen (wet) mass with filled fluid reservoirs (less ullage), standard	kg
equipment and additional equipment (F3+R3):	

Additional Information

Photos of vehicle and standard equipment at time of weighing:
Weighbridge certificate:

Vehicle chassis no./VIN:	Date:	Signed:

Modification Code S10: Concessional Livestock Loading - Vehicle Rating - Version 2.0

S10 Checklist—Concessional livestock loading – Vehicle rating (prime mover)

Dry mass weight distribution calculations. From m	nass imposed on the front and rear axle group(s) due to additional equipment (that
	hing). Also subtract the weight of fuel, AdBlue and water at the time of weighing:
United advances (continues) contable distribution and	culations. From mass imposed on the front and rear axle group(s) due to full fuel,
	• • • • • • • • • • • • • • • • • • •
AdBlue and water tanks:	9

Vehicle chassis no./VIN: Date: Signed:

Modification Code S10: Concessional Livestock Loading - Vehicle Rating - Version 2.0

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S10 Checklist—Concessional livestock loading – Vehicle rating (prime mover)

Part C - Imposed load (prime mover)					
Calculated additional front and rear axle gro	oup(s) mass due to the imposed load	through the prin	ne mover's fifth wheel		
An imposed load of 15,000kg is to be appli trailer coupled to the prime mover (Check:				loaded	
Calculate the additional mass on the front prime mover.	and rear axle group(s) due to the imp	osed load throug	h the fifth wheel/turntable	of the	
Note: A copy of weight distribution calculati	ions must be attached to this docume	ent.			
Additional mass on front axle group mass du	ue to imposed load (F4):				k
Additional mass on rear axle group mass du	e to imposed load (R4):				k
Part D - S10 Gross combined mass (G	CM) (prime mover)				
Calculated S10 GCM					
Calculate the intended S10 GCM of the veh	nicle using the formula provided in the	Appendix 1, Sec	tion (4), (b) of the Scheme.		
S10 gross combination mass rating required	:				k
Part E - Vehicle S10 laden mass (prim	e mover)				
S10 Laden mass					
 Calculate the total mass on the front and mover (calculated above) and the impos 					
Front axle group \$10 laden mass (F5) such th	nat (F3+F4=F5):				k
Rear axle group S10 laden mass (R5) such th	at (R3+R4=R5):				k
Vehicle S10 laden mass (R5 + F5):					k
S10 Conditional mass requirement					
 Record the conditional mass requirement 	nts that apply to the vehicle as detaile	d in the Scheme	Notice.		
Maximum mass limit, front axle group:					k
Maximum mass limit, laden mass:					k
Modification	Check Yes, No as applicable		J.		
Are the maximum calculated S10 laden m	hasses less than or equal to the \$10 St	atutory livestock	loading limits?		
Prime mover manufacturer's ratings					
 Record information from the vehicle manu 	facturer's rating plate, affixed to the	cabin by the man	ufacturer.		
 Where the vehicle has been assessed/mod modification plate. 	lified/re-rated and approved in accord	dance with VSB6,	use the information from t	he	
Maximum front axle group rating:					k
Front axle group tyre size:					
Front axle group tyre capacity:					k
Maximum rear axle group rating:					k
Rear axle group tyre size:					
Rear axle group tyre capacity:					kį
Gross Vehicle Mass (GVM) rating:					k
Gross Combination Mass (GCM) rating:					kį
	Check Yes, No as applicable: (If No, to			Yes	
Are the S10 laden masses (calculated abo	ve) less than or equal to the vehicle's	manufacturer's r	atings?		
Livestock loading S10 plate					
Duplicate the below information on the liv	estock loading S10 plate (maroon in c	olour).			
Affix the plate to the cabin of the truck.					
Ensure all other fields on the Livestock load	ding (S10) Plate ARE blanked out with	three (3), or mor	e, 'X' (For example: 'XXX')		
Date:					
Approved Vehicle Examiner/ Approved Pers	on Accreditation Number:				
Certificate Number:					
Vehicle Identification Number (VIN) / Chassi	is Number:				
Vehicle laden \$10 mass (from Part E):					kį
S10 Gross combination mass (from Part D):					kį
Vehicle chassis no./VIN:	Date:	Signe	d:		

Modification Code S10: Concessional Livestock Loading - Vehicle Rating - Version 2.0

S10 Checklist—Concessional livestock loading – Vehicle rating (prime mover)

			<i>b</i> (1	
Front axle group \$10 lad	fen mass (from Part E):			kg
Rear axle group \$10 lade	en mass (from Part E):			kg
S10 front tyre size/load	rating (from Part A):		/	kg
S10 rear tyre size/load r	ating (from Part A):		1	kg
Part F - Vehicle detai	ils and declarations			
AVE authorisation				
Declaration by certifier ((AVE)			
am the Approved Perso	on who completed all the mass	calculations and declare t	hat the information in this form is	true and correct.
Issued by:		Company (if applicable):		AVE no.:
Signed:		Telephone:		Date:
Owner/vehicle supp	lier authorisation			
vehicle equipment detai		of the vehicle as it will ente	orm, I declare that the vehicle spec er into service and that I have enlis ild state/configuration.	
Name:		Company (if applicable):		
Address				
ci		Talambanas		Dates

Vehicle chassis no./VIN:	Date:	Signed:

S10 Checklist – Converter Dolly (example)

	vner's or supplie	's details								
Name:		Con	npany/busin	ess:						
Address:							Post co	ode:		
/ehicle and modif	ier details									
Vehicle make:		Vehicle mo	del:		Month and	year of ma	nufact	ture:		
VIN (if applicable):				Vehicle chassis no. (if applicable):					
Issued by (Approved	Vehicle Examiner (A\	/E)):	Company (i	if applicable):			AVE	no.:		
Signed:			Telephone:	:			Date	e:		
/ehicle design						_				
Vehicle dimensions Overall vehicle length	ı:		mn	Front overhang:						mı
Drawbar length:			mn	Loaded tray lengtl	1:					mı
Vehicle rating				•						
Aggregate Trailer Ma	ss (ATM) rating:		Gros	s Trailer Mass(GTM) rating:					
			kg							k
Component specificat Axles:	tions (the following in Make:	nformation s	Model:	sed on the truck ma	nufacturer's speci Load rating (with specified tyres):		Numbe	er of a	exles	:
Axle group						kg				
Tyres:	Size designat	ion:	Load inde	x: Capacity per	tyre:	Total axle	group	tyre	capa	acity
Axle group					kg					ŀ
Coupling:	Make:		Model:				D-v	value:		
Fifth wheel										k
										k
Towing eye										
Assessment		<u></u>								N//
Assessment Assessment		<u> </u>			heck Yes, No, N/A		able:	Yes	No	
Assessment Assessment 1 Is the distance froi 2 Is the overall width	m the centre of the d h of the vehicle within			ont axle line less tha	n or equal to 5.0m	1?	able:	Yes		
Assessment Assessment I Is the distance fro Is the overall width example 2.5m)?	h of the vehicle within	n the Austral		ont axle line less tha	n or equal to 5.0m	1?	able:			
Assessment 1 Is the distance from 2 Is the overall width example 2.5m)? 3 Is the trailer fitted	h of the vehicle within with a tandem axle g	n the Austral		ont axle line less tha	n or equal to 5.0m	1?	able:			
Assessment Assessment I Is the distance from Is the verall widt example 2.5m)? Is the trailer fitted Are all axles fitted Is the applicable to	h of the vehicle within with a tandem axle g with dual tyres? ow coupling rating eq	n the Austral	ian Design Ru	ont axle line less tha	n or equal to 5.0m	1?	able:	_ _		
Assessment I Is the distance fro Is the overall widt example 2.5m)? Is the trailer fitted Are all axles fitted Is the applicable to fifth wh	h of the vehicle within with a tandem axle g with dual tyres?	n the Austral	ian Design Ru	ont axle line less tha	n or equal to 5.0m	1?	able:			
Assessment 1 Is the distance fro 2 Is the overall widt example 2.5m)? 3 Is the trailer fitted 4 Are all axles fitted 5 Is the applicable te ififth wh turntab	with a tandem axle g with dual tyres? ow coupling rating eq eel rating 190 kN?	n the Austral	ian Design Ru	ont axle line less tha	n or equal to 5.0m	1?	able:			
Assessment 1 Is the distance fro 2 Is the overall widt example 2.5mj? 3 Is the trailer fitted 4 Are all axles fitted 5 Is the applicable te 6 fifth wh 1 turntab 1 tow eye	h of the vehicle within with a tandem axle g with dual tyres? ow coupling rating eq ceel rating 190 kN? le rating 190 kN? e rating 210kN?	n the Austral	ian Design Ru	ont axle line less tha	n or equal to 5.0m	1?	able:			
Assessment 1 Is the distance fro 2 Is the overall widt example 2.5mj? 3 Is the trailer fitted 4 Are all axles fitted 5 Is the applicable to fifth wh turntab tow eye Advanced braking Breaking systems	h of the vehicle within with a tandem axle g with dual tyres? ow coupling rating eq ceel rating 190 kN? le rating 190 kN? e rating 210kN?	n the Austral group? ual to or grea	ian Design Ru	ont axle line less tha ule definition for ma	n or equal to 5.0n ximum vehicle wid	n? htth (for				
2 Is the overall widtexample 2.5m)? 3 Is the trailer fitted 4 Are all axles fitted 5 Is the applicable to 6 fifth wh 1 turntab 1 tow eye Advanced braking Breaking systems	h of the vehicle within with a tandem axle g with dual tyres? ow coupling rating eq eel rating 190 kN? le rating 190 kN? systems raking system (where	n the Austral group? ual to or grea	ian Design Ru	ont axle line less tha ule definition for ma	n or equal to 5.0n ximum vehicle wid	n? htth (for		Yes		

S10 Checklist—Concession	nal livestock loading -	- Vehicle rating (Dolly)
Part B - Trailer mass		
Unladen dry mass		
Unladen dry trailer mass		
Unladen mass is taken directly from the w	eighbridge certificate.	
Unladen dry mass of trailer (identical to unl	aden mass for a dolly as no fluid tanks	can be fitted): kg
Additional Information		
Weighbridge certificate:		
Manufacturer's Specifications		
Make Year of manufacture Front and Rear axle manufacturers Front and Rear axle specification. Copy of the manufacturer's specifications:		
Vehicle chassis no./VIN:	Date:	Signed:
venicie chassis no./ viiv:	Date:	oikuea:
Modification Code S10: Concessional Livestock Loading - \	/ehicle Rating – Version 2.0	2 of 3

Part C - Vehicle S10 lade	en mass (Dolly)					
Vehicle S10 mass (Dolly)						
Calculate the vehicle S10 la	aden mass by adding the	unladen dry tr	ailer mass and t	the 15,000kg simulate	d mass.	
/ehicle S10 laden mass:						k
/lanufacturer's mass ratings						
Insert the following values	:					
xle group rating:						k
Aggregate trailer mass (ATM			C			
xle group tyre rating:	Size designation:	Load Index:	Speed Index:	Capacity per tyre:	Total axle group	tyre capacity:
Modification	C	heck Yes, No a	as applicable: (I	f No, do not proceed	with the rating)	Yes No
Is the vehicle S10 laden m						
art E - Vehicle details a VE authorisation	and declarations					
Declaration by certifier (AVE						
am the Approved Person w	ho completed all the ma			nat the information in		
ssued by:		Company (i	f applicable):		AVI	no.:
igned:		Telephone:			Dat	e:
s the \(\square \) Owner \(\square \) Supplice	<u>er</u> (select applicable) of t herein are representativ	e of the vehicle	e as it will ente	r into service and tha	t I have enlisted t	
As the \(\simega\) Owner \(/\simega\) Suppliventicle equipment detailed the AVE mentioned above to	<u>er</u> (select applicable) of t herein are representativ	e of the vehicle oval of this veh	e as it will ente	r into service and tha	t I have enlisted t	
As the Owner / Osupplicehicle equipment detailed line AVE mentioned above to lame:	<u>er</u> (select applicable) of t herein are representativ	e of the vehicle oval of this veh	e as it will ente nicle in this buil	r into service and tha	t I have enlisted t	
As the Owner / Supplice Suppli	<u>er</u> (select applicable) of t herein are representativ	e of the vehicle oval of this veh Company (i	e as it will ente nicle in this buil f applicable):	r into service and tha	t I have enlisted t	the services of
Owner/supplier authori As the \(\text{\tinit}}\text{\texit{\text{\texi}\text{\texit{\text{\text{\text{\texit{\text{\texi{\text{\text{\ti	<u>er</u> (select applicable) of t herein are representativ	e of the vehicle oval of this veh	e as it will ente nicle in this buil f applicable):	r into service and tha	t I have enlisted t	the services of
As the Owner / Supplice whicle equipment detailed the AVE mentioned above to Name:	<u>er</u> (select applicable) of t herein are representativ	e of the vehicle oval of this veh Company (i	e as it will ente nicle in this buil f applicable):	r into service and tha	t I have enlisted t	the services of

S10 Checklist – Dog Trailer (example)

Part A - Vehicle ow	vner's or supplier	's details								
Name:	тег зог заррпег		pany/business:							
Address:							Post	code:		
/ehicle and modifi	er details									
Vehicle make:		Vehicle mo	del:		Month and	d year of	manu	facture	e:	
VIN (if applicable):			Vel	hicle chassis no.	(if applicable):					
Issued by (Approved V	Johisla Evaminar (AV	F11.	Company (if a	nnlicable\:				AVE no		
Issued by (Approved V	renicie Examiner (AVI	E)):	Company (if a	pplicable):			=	AVE no).:	
C! d.			T-1					0-4		
Signed:			Telephone:					Date:		
ehicle design										
/ehicle dimensions										
Overall vehicle length:	· V	Vheelbase:			Loaded deck	length:				
_	mm			,	mm	-				n
ront overhang:			Rear o	verhang:						
			mm							n
ehicle rating	mm			ailer Mass (GTM	l) rating:					
Orawbar length: Vehicle rating Aggregate Trailer Mass Component specificati	s (ATM) rating: ons (the following in	formation sh	kg ould be based o	on the vehicle m	anufacturer's spe			han af		
Vehicle rating Aggregate Trailer Mass Component specificati Axles	s (ATM) rating:	formation sh	kg	on the vehicle m		S10	Num	ber of	axles	
Vehicle rating Aggregate Trailer Mass Component specificati Axles Front axle group	s (ATM) rating: ons (the following in	formation sh	kg ould be based o	on the vehicle m	anufacturer's spe Load rating (with	s 510 kg	Num	ber of	axles	
/ehicle rating Aggregate Trailer Mass Component specificati Axles Front axle group Rear axle group	s (ATM) rating: ons (the following in Make:		kg ould be based o Model:	on the vehicle m	nanufacturer's spe Load rating (with specified tyres):	S10 kg kg	Num			
rehicle rating ggregate Trailer Mass component specificati takes ront axle group tear axle group yres	s (ATM) rating: ons (the following in		kg ould be based o	on the vehicle m	lanufacturer's spe Load rating (with specified tyres): tyre:	s 510 kg	Num			
/ehicle rating gggregate Trailer Mass Component specificati Axles Front axle group Rear axle group Tyres Front Axle Group	s (ATM) rating: ons (the following in Make:		kg ould be based o Model:	on the vehicle m	nanufacturer's spe Load rating (with specified tyres): tyre:	kg kg Total axl	Num			
rehicle rating ggregate Trailer Mass component specificati uxles root axle group tear axle group tyres root Axle Group tear axle group	s (ATM) rating: ons (the following in Make: Size designation		kg ould be based o Model: Load index:	on the vehicle m	lanufacturer's spe Load rating (with specified tyres): tyre:	kg kg Total axl	Num	up tyre	e capa	
Jehicle rating Aggregate Trailer Mass Component specificati taxles Front axle group Rear axle group Tyres Tront Axle Group Rear axle group Rear axle group Rear axle group	s (ATM) rating: ons (the following in Make:		kg ould be based o Model:	on the vehicle m	nanufacturer's spe Load rating (with specified tyres): tyre:	kg kg Total axl	Num		e capa	acity
rehicle rating Aggregate Trailer Mass Component specificati Lades ront axle group Lear axle group Lyres ront Axle Group Lear axle group Loupling Tow coupling	s (ATM) rating: ons (the following in Make: Size designation		kg ould be based o Model: Load index:	on the vehicle m	nanufacturer's spe Load rating (with specified tyres): tyre:	kg kg Total axl	Num	up tyre	e capa	
Aggregate Trailer Mass Component specificati tables Front axle group Gear axle group Tyres Front Axle Group Gear axle group Coupling Tow coupling Turntable	s (ATM) rating: ons (the following in Make: Size designation		kg ould be based o Model: Load index:	on the vehicle m	nanufacturer's spe Load rating (with specified tyres): tyre:	kg kg Total axl	Num	up tyre	e capa	city
Aggregate Trailer Mass Component specificati taxles Front axle group Rear axle group Tyres Front Axle Group Rear axle group Coupling Courtable Lassessment	s (ATM) rating: ons (the following in Make: Size designation		kg ould be based o Model: Load index:	Capacity per	nanufacturer's spe Load rating (with specified tyres): tyre: kg	kg kg Total axl	Num	up tyre O-value	e capa	acit
dehicle rating suggregate Trailer Mass suggregate Trailer Mass suggregate Trailer Mass suggregate Trailer Mass suggregate suggroup suggregate s	ons (the following in Make: Size designation	on:	kg ould be based of Model: Load index: Model:	Capacity per	nanufacturer's spe Load rating (with specified tyres): tyre:	kg kg Total axl	Num	up tyre O-value	e capa	n,
omponent specificati uxles component specificati uxles cont axle group ear axle group yres cont Axle Group ear axle group oupling ow coupling urntable urntable urntable ussessment us the overall deck is	ons (the following in Make: Size designation	ess than or e	kg ould be based of Model: Load index: Model:	Capacity per	anufacturer's spe Load rating (with specified tyres): tyre: kg kg	kg kg Total axl	Num	up tyre D-value : Yes	e capa	N,
rehicle rating "ggregate Trailer Mass component specificati uxles ront axle group wear axle group yres ront Axle Group ear axle group oupling ow coupling urntable .ssessment ls the overall deck I s the distance fron ls the overall width	ons (the following in Make: Size designation Make:	ess than or e	kg ould be based of Model: Load index: Model: qual to 12.5m? ng to the front a	Capacity per	anufacturer's spe Load rating (with specified tyres): kyre: kg kg	kg kg Total axl	Num	up tyre D-value : Yes	e capa	N,
rehicle rating ggregate Trailer Mass component specificati uxles ront axle group rear axle group rear axle group oupling ow coupling urntable ssessment ssessment ls the overall deck ls the distance fron I sthe overall width example, 2.5m)?	s (ATM) rating: ons (the following in Make: Size designation Make:	ess than or e awbar coupling the Australia	kg ould be based of Model: Load index: Model: qual to 12.5m? ng to the front a	Capacity per	anufacturer's spe Load rating (with specified tyres): kyre: kg kg	kg kg Total axl	Num	D-value	No	N,
Assessment L Is the overall deck le vample, 2.5m)? List he overall width example, 2.5m? List he overall width example, 2.5m)? List he overall width example, 2.5m)?	ons (the following in Make: Size designation Make: Make: length of the vehicle In the centre of the dr. of the vehicle within	ess than or e awbar coupling the Australia	kg ould be based of Model: Load index: Model: qual to 12.5m? ng to the front a	Capacity per	anufacturer's spe Load rating (with specified tyres): kyre: kg kg	kg kg Total axl	Num	D-value	No	N,
Aggregate Trailer Mass Component specification Lakes Front axle group Rear axl	ons (the following in Make: Size designation Make: Make: In the centre of the droof the vehicle within the session of the vehicle within the session of the vehicle within the sess than or equal to	ess than or e awbar coupling the Australia	kg ould be based of Model: Load index: Model: qual to 12.5m? ng to the front a	Capacity per	anufacturer's spe Load rating (with specified tyres): kyre: kg kg	kg kg Total axl	Num	D-value: Yes	No	N,
component specifications and specifications are specifications and specifications are specifications and specifications are specifications. The specification are specifications are spe	s (ATM) rating: ons (the following in Make: Size designation Make: Make: length of the vehicle in the centre of the driven of the vehicle within the standard register of the vehicle within the vehicle within the standard register of the vehicle within	ess than or e awbar coupli the Australia	kg ould be based of Model: Load index: Model: qual to 12.5m? ng to the front a	Capacity per	anufacturer's spe Load rating (with specified tyres): kyre: kg kg	kg kg Total axl	Num	Property of the second of the	No	N,
component specifications and specifications are specifications and specifications are spe	ons (the following in Make: Size designation Make: Make: In the centre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the sentre of the drawn of the vehicle within the	ess than or e awbar coupling the Australia or:	kg ould be based of Model: Load index: Model: qual to 12.5m? ng to the front a in Design Rule d	Capacity per	anufacturer's spe Load rating (with specified tyres): kyre: kg kg	kg kg Total axl	Num	Yes	No	
component specifications and specifications are specifications and specifications are spe	ons (the following in Make: Size designation Make: Make: In the centre of the driven of the vehicle within the sentre of the driven of the driven of the driven of the vehicle within the sentre of the driven of the vehicle within the sentre of the driven of the vehicle within the sentre of the driven of the vehicle within the sentre of the driven of the vehicle within the sentre of the driven of the vehicle within the sentre of the driven of the vehicle within the sentre of the driven of the vehicle within the sentre of the vehicle of th	ess than or e awbar coupling the Australia or:	kg ould be based of Model: Load index: Model: qual to 12.5m? ng to the front a in Design Rule d	Capacity per	anufacturer's spe Load rating (with specified tyres): kyre: kg kg	kg kg Total axl	Num	Yes	No	N,

		_				
Assessment		Check Y	'es, No, N/A as applicable:	Yes	No	N/
Are all axles fitted with dual tyres?						
Is the king pin rating equal to or grea	ter than the following:					
 dog trailers with a rear cou 	pling 162kN?					
 dog trailers without a rear 	coupling 135kN?					
Is the fifth wheel rating equal to or g	reater than the followir	ng:				
 dog trailers with a rear cou 	pling 162k?					
 dog trailers without a rear 	coupling 135kN?					
10 Is the tow eye rating equal to or grea	ter than the following:					
 dog trailers with a rear cou 	pling 162kN?					
 dog trailers without a rear 	coupling 135kN?					
11 Is the rear tow coupling rating equal	to or greater than 162k	kN?				
dvanced braking systems						
Breaking systems		Check \	es, No, N/A as applicable:	Yes	No	N/
Is the advanced braking system (whe	re fitted) un-affected o	or re-certified after the vehicle r	nodification?			
art B - Unladen mass						
Veigh vehicle						
Weigh vehicle at a registered public w	eighbridge and record	guantities of fuel. AdBlue and v	vater at the time of weighin	g.		
Ensure vehicle is weighed without driv		, , , , , , , , , , , , , , , , , , , ,		0.		
Attach a copy of the weighbridge ticke		d at the end of Part B.				
Weighbridge ticketed mass:						-
uel:						
AdBlue:						
Water:						
AdBlue: Water: Standard equipment • List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S e • It is recommended that detailed phote	quipment must be inclu	uded.				
Water: Standard equipment • List all standard equipment fitted to th gates, effluent tanks, etc. and OH&S e	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S e It is recommended that detailed photo weighing	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
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Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: itandard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S e It is recommended that detailed phote weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: itandard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S e It is recommended that detailed phote weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: itandard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S e It is recommended that detailed phote weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: itandard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S e It is recommended that detailed phote weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
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Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded.				
Water: Standard equipment List all standard equipment fitted to the gates, effluent tanks, etc. and OH&S element of the gates, effluent tanks, etc. and Oh&S element of the gates weighing Attach all photos in the space provide	quipment must be inclu ographs of the vehicle (uded. (that capture all the standard e				

l equipment that has been, or is planned to be, fitted after all the standard equipment fitted) are taken at the time of
all the standard equipment fitted) are taken at the time of
l, AdBlue and water.
al equipment fitted after the time of weighing.
Part B.
nent
mass of the steer and rear axle groups(s))
: the ullage factor) by multiplying the nominal volume of each
Part B.

10 Checklist—Conc	essional livestock loa	ding – Vehicle rating (Dog trailers)
Veighbridge certificate:		
veignbridge certificate.		
Veight distribution calculations fro	om mass imposed on the forward and	rear axle group(s) due to fuel, AdBlue and water:
notographs of the vehicle at the t	time of weighing capturing all the stan	dard equipment fitted:
	AII.	
	$A \cap A \cap A$	
Veight distribution calculations of	the mass on the forward and rear axl	e group(s) due to any additional equipment fitted after the
ime of weighing:		
Vehicle chassis no./VIN:	Date:	Signed:

S10 Checklist—C	Concession	nal livestock	loading – Veh	icle rating (Dog t	railers)
	<i>(</i>				
Part C – S10 Laden Mas	s (Dog trailer)				
Stock body/crate plan					
 Draw a plan of the stock be locations. 	oody/crate deck a	reas on the vehicle th	at are available for the ca	rriage of livestock including th	e vehicle axle
 In the plan, mark in the po axle. 	osition of the rear	axle line and the dist	ance between the centre	of each livestock carrying area	and the rear
One plan is required for each	ach stock deck.				
Calculate imposed (S10) loa • A copy of weight distribut	ion calculations m	nust be attached to th			
 Where a converter dolly is loading from a laden semi 		railer, apply 15,000kg	vertically through the ce	ntre of the fifth wheel coupling	g to simulate
Total Livestock area (all dec	ks):				m²
Front axle group S10 laden i					kg
Rear axle group S10 laden n	nass (R5):				kg
Vehicle S10 laden mass (F5	+R5):				kg
Modification				not proceed with the rating)	Yes No
1 Are the calculated S10 la	den masses less t	han or equal to the ve	ehicle manufacturer's rati	ngs?	
Vehicle chassis no./VIN:		Date:		Signed:	
Modification Code S10: Concessional	Livestock Loading - Vel	nicle Rating – Version 2.0		1	5 of 7

S10 Checklist—Concession	al livestock loading – Vehi	cle rating (Dog trailers)	S10 Checklist—Conce
Additional Information			Part D - Vehicle details and de
Weight distribution calculations: Vehicle chassis no./VIN:	Date:	Signed:	AVE authorisation Declaration by certifier (AVE) I am the Approved Person who com Issued by: Signed: Owner/supplier authorisation As the Owner Osupplier (selevehicle equipment detailed herein at the AVE mentioned above to compl Name: Address Signed:
venice chassis no./ viiv:	rate.	orgineu.	
Modification Code S10: Concessional Livestock Loading - Vehic	cle Rating – Version 2.0	6 of 7	Modification Code S10: Concessional Livestock L

10 Checklist—Conces	ssional livestock loading – Vehicle	rating (Dog trailers)
art D - Vehicle details and decl	arations	
/E authorisation		
eclaration by certifier (AVE)		
	eted all the mass calculations and declare that the information	
sued by:	Company (if applicable):	AVE no.:
igned:	Telephone:	Date:
wner/supplier authorisation		
ehicle equipment detailed herein are	applicable) of the vehicle described in this form, I declare that representative of the vehicle as it will enter into service and	that I have enlisted the services of
he AVE mentioned above to completo lame:	e the S10 approval of this vehicle in this build state/configura Company (if applicable):	tion.
idine.	company (n applicable).	
Address		
igned:	Telephone:	Date:

S10 Checklist – Semitrailer including B-double and B-triple (example)

Part A - Vehicle owner	s or supplier's											
Name:		Com	npany/busin	ess:								
Address:									Pos	stcode:		
ehicle and modifier de	etails											
Vehicle make:		Vehicle mo	del:				Month a	and y	ear of manu	ufacture:		
VIN (if applicable):				Vahiala a	bassis	no. (if ap	nlicable):		_			
vin (іт арріісавіе):				venicie c	nassis	по. (п ар	piicabiej					
Issued by (Approved Vehicle	e Examiner (AVE	:)):	Company (i	if applica	ble):					AVE no.	:	
Signed:			Telephone:							Date:		
ehicle design												
/ehicle dimensions												
Overall vehicle length:			Dis	stance fr	om Kin	gpin to R	OH Line:					
												r
			mm									
Stock crate length:			mm g pin to fron	t corner	of trail		Rear ov	/erha	ng:			
Stock crate length:		King		t corner (of trail	er: mr		/erha	ng:			n
√ehicle rating	Λ) rating:		g pin to from				n	verha	ng:			n
√ehicle rating	Л) rating:		g pin to from			mr	n	verha	ng:			n
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (t	he following inf	mm	g pin to fron	Gross Tra	iler Ma	mr ass (GTM)	rating:	speci	fications)			
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (t		mm	g pin to fron	Gross Tra	iler Ma	mr ass (GTM)	rating:	speci	fications) rating (wit	h S10 sp	ecifie	
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (t Axles:	he following inf	mm	g pin to fron	Gross Tra sed on th Model:	iler Ma	mr ass (GTM)	rating:	speci [·] Load	fications) rating (wit	h S10 sp	ecifie	
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group	he following inf	mm ormation sh	g pin to fron	sed on th Model:	iler Ma	mr ass (GTM)	rating:	speci [·] Load	fications) rating (wit			d
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group Tyres	he following info	mm ormation sh	g pin to fron	Gross Tra sed on th Model:	iler Ma	mr ass (GTM) er manufa	rating:	speci [·] Load	fications) rating (wit			d
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group Cyres Rear axle group	he following info	mm ormation sh	g pin to fron	sed on th Model:	iler Ma	mr ass (GTM) er manufa	rating:	speci Load tyres	fications) rating (wit		re cap	d
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group Tyres Rear axle group Coupling King pin	he following info Make: Size designatio	mm ormation sh	g pin to fron	sed on the Model: Load index	iler Ma	mr ass (GTM) er manufa	rating:	speci Load tyres	fications) rating (wit	group ty	re cap	d
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group Fyres Rear axle group Coupling King pin Rear tow coupling (if fitted)	he following info Make: Size designatio	mm ormation sh	g pin to fron	sed on the Model: Load index	iler Ma	mr ass (GTM) er manufa	rating:	speci Load tyres	fications) rating (wit	group ty	re cap	d
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group Tyres Rear axle group Coupling King pin Rear tow coupling (if fitted) Fifth wheel (for B-Double &	he following info Make: Size designatio	mm ormation sh	g pin to fron	sed on the Model: Load index	iler Ma	mr ass (GTM) er manufa	rating:	speci Load tyres	fications) rating (wit	group ty	re cap	d
Jehicle rating ggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group Coupling Ging pin Rear tow coupling (if fitted) ifth wheel (for B-Double & 3-Triple lead trailers only)	he following info Make: Size designatio	mm ormation sh	g pin to fron	sed on the Model: Load index	iler Ma	mr ass (GTM) er manufa	rating:	speci Load tyres	fications) rating (wit	group ty	re cap	d
Aggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group Cryres Rear axle group Coupling Ging pin Rear tow coupling (if fitted) -ifth wheel (for 8-Double & 8-Triple lead trailers only) Assessment	he following info Make: Size designatio	mm ormation sh	g pin to fron	sed on the Model: Load index	iler Ma	mr. ass (GTM) er manufa	n rating: acturer's	speci Load tyres kg	fications) rating (wit): Total axle	group ty	re cap	d
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (taxles: Rear axle group Fyres Rear axle group Coupling Ging pin Girlight wheel (for 8-Double & 3-Triple lead trailers only) Assessment Assessment	he following info Make: Size designatio	mm st	g pin to from	Gross Tra sed on th Model: Load index Model	iler Ma	mr. ass (GTM) er manufa	n rating: acturer's	speci Load tyres kg	fications) rating (wit	group ty	re cap	d
Aggregate Trailer Mass (ATM Component specifications (t txles: Rear axle group Coupling Ging pin Gifter (if tted) Gift wheel (for B-Double & B-Triple lead trailers only) USSESSMENT Assessment	he following info Make: Size designatio	mm st	g pin to from	Gross Tra sed on th Model: Load index Model	iler Ma	mr. ass (GTM) er manufa	n rating: acturer's	speci Load tyres kg	fications) rating (wit): Total axle	group ty	re cap	d N
Aggregate Trailer Mass (ATN Component specifications (t kales: Rear axle group Coupling Ging pin Rear tow coupling (if fitted) iffth wheel (for B-Double & B-Triple lead trailers only) ASSESSMENT Assessment L Is the total internal deck let	he following info Make: Size designatio Make	mm st	g pin to from	Gross Tra sed on th Model: Load index Model	iler Ma	mr. ass (GTM) er manufa	n rating: acturer's	speci Load tyres kg	fications) rating (wit): Total axle	D-valu e: Yes	e No	d N,
Aggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group Coupling Gring pin Rear tow coupling (if fitted) ifth wheel (for 8-Double & 8-Triple lead trailers only) Assessment L is the total internal deck le Semi-trailer - 12 B-double trailers B-double trailers	he following info Make: Size designation Make ength of the com5m; or 18.8m; or 25.1m?	mm standard	g pin to from	sed on the Model: Load index Model	e trail	mr er manufa city per t	n rating: rating: vyre	speci Load tyres kg	fications) rating (wit): Total axle	D-valu e: Yes	e No	N [
Aggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group Coupling Gring pin Rear tow coupling (if fitted) ifth wheel (for 8-Double & 8-Triple lead trailers only) Assessment L is the total internal deck le Semi-trailer - 12 B-double trailers B-double trailers	he following info Make: Size designation Make ength of the com5m; or 18.8m; or 25.1m?	mm standard	g pin to from	sed on the Model: Load index Model	e trail	mr er manufa city per t	n rating: rating: vyre	speci Load tyres kg	fications) rating (wit): Total axle	D-valu	e No	N,
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group Fyres Rear axle group Coupling King pin Rear tow coupling (if fitted) Eifth wheel (for 8-Double & 3-Triple lead trailers only) Assessment L Is the total internal deck le Semi-trailer - 12 B-double trailers B-double trailers B-triple trailers L Is the overall width of the example, 2.5m)?	Make: Size designatio Make Make ength of the com .5m; or18.8m; or25.1m? vehicle within th	mm ormation st	g pin to from G kg hould be base more than:	sed on the Model: Load index Model	e trail	mr er manufa city per t	n rating: rating: vyre	speci Load tyres kg	fications) rating (wit): Total axle	D-valu e: Yes	e No	N,
Vehicle rating Aggregate Trailer Mass (ATM Component specifications (t Axles: Rear axle group Fyres Rear axle group Coupling King pin Rear tow coupling (if fitted) Eifth wheel (for 8-Double & 3-Triple lead trailers only) Assessment L Is the total internal deck le Semi-trailer - 12 B-double trailers B-double trailers B-triple trailers L Is the overall width of the example, 2.5m)?	Make: Size designatio Make In the company of the	mm ormation st	g pin to from G kg hould be base more than:	sed on the Model: Load index Model	e trail	mr er manufa city per t	n rating: rating: vyre	speci Load tyres kg	fications) rating (wit): Total axle	D-valu e: Yes	e No	N C C C C C C
Assessment 1 Is the total internal deck le Semi-trailer - 12 Bedouble trailers only Assessment 1 Is the total internal deck le Semi-trailer - 12 Bedouble trailers Briple le with the left of the example, 2.5 m)? 3 Is the overall height of the	he following info Make: Size designation Make ength of the com .5m; or -18.8m; or -25.1m? vehicle within the vehicle less than leck crate; or	mm ormation st	g pin to from G kg hould be base more than:	sed on the Model: Load index Model	e trail	mr er manufa city per t	n rating: rating: vyre	speci Load tyres kg	fications) rating (wit): Total axle	D-valu e: Yes	e No	

S10 Checklist—Concessi	ional livesto	ck loading – Veh	icle rating (Sem	itra	ile	r
including B-double and	B-triple Trail	ler)				
•						
Assessment		Check	Yes, No, N/A as applicable:	Yes	No	N/A
4 Is the vehicle fitted with a triaxle group?	•					
5 Are all axles fitted with dual tyres?						
6 Are the load ratings, for fitted couplings		nan the following:				
Rear tow coupling	210kN					
B-double lead trailer coupling	135kN					
B-triple lead trailer coupling	162kN					
B-triple second trailer coupling	3 135kN?					
Advanced braking systems						
Breaking systems			Yes, No, N/A as applicable:		No	N/A
1 Is the advanced braking system (where	e fitted) un-affected or	re-certified after the vehicle	modification?			
Part B - Unladen mass						
Weigh vehicle						
Weigh vehicle at a registered public weight		uantities of fuel, AdBlue and	water at the time of weighin	g.		
Ensure vehicle is weighed without drive						
 Attach a copy of the weighbridge ticket 	in the space provided	at the end of Part B.				
Weighbridge ticketed mass:						Kg
Fuel:						L
AdBlue:						L
Water: Standard equipment						L
 Attach all photos in the space provided Standard equipment list 	at the end of Part B.					
Standard Oquipment list						
Vehicle chassis no./VIN:	Date:		Signed:			
Modification Code S10: Concessional Livestock Loading	- Vehicle Rating – Version 2.	0				2 of 7

S10 Checklist—Concessional livestock loading – Vehicle rating (Semitrailer including B-double and B-triple Trailer) **Additional equipment** Plan of additional equipment • Draw a plan of the chassis layout showing the position of all the additional equipment that has been, or is planned to be, fitted to the trailer after the time of weighing. It is recommended that detailed photographs are taken of the vehicle at the time of weighing that capture all the standard equipment Attach all photos in the space provided at the end of Part B. Chassis layout of additional equipment Calculated dry mass with standard and additional equipment Subtract any mass imposed on the kingpin and rear axle group(s) due to fuel. AdBlue and water. Calculate the mass on the kingpin and rear axle group(s) due to any additional equipment fitted after the time of weighing. A copy of weight distribution calculations must be attached to the end of Part B. Kingpin unladen dry mass (F2) kg Rear axle group unladen dry mass (R2) kg Trailer's unladen dry mass with standard equipment and additional equipment (F2+R2) Vehicle chassis no./VIN: Modification Code S10: Concessional Livestock Loading - Vehicle Rating - Version 2.0

S10 Checklist—Concessional livestock loading – Vehicle rating (Semitrailer including B-double and B-triple Trailer) Trailer unladen mass Calculate the unladen or wet mass (with fuel/AdBlue/water added to dry mass of the steer and rear axle groups(s)) Calculate the mass of fuel/AdBlue/water in each tank (taking into account ullage factor) by multiplying the nominal volume of each tank by the mass of fluid. A copy of weight distribution calculations must be attached to the end of Part B. Kingpin unladen mass (KP3) Rear axle unladen mass (R3) kg Trailer's unladen mass with filled fluid reservoirs (less ullage), standard equipment and additional equipment (KP3+R3) **Additional Information** Photos of standard equipment Weighbridge certificate Vehicle chassis no./VIN: Modification Code S10: Concessional Livestock Loading - Vehicle Rating - Version 2.0

icidaling D dodbic all	d B-triple Trailer)	
Neight distribution calculations from	mass imposed on the steer and rear ax	le group(s) due to fuel, AdBlue and water
Photographs of the vehicle at the time	e of weighing capturing all the standard	d equipment fitted
Veight distribution calculations of the	e mass on the steer and rear axle group	(s) due to any additional equipment fitted after the time
of weighing		
Vehicle chassis no./VIN:	Date:	Signed:

S10 Checklist—Concessional livestock loading – Vehicle rating (Semitrailer including B-double and B-triple Trailer) Part C - S10 laden mass (Semitrailer) Deck area(s) on trailer • Draw a plan of the stock body/crate deck areas on the vehicle that is available for the carriage of livestock including the vehicle axle • Mark in the position of the rear axle line and the distance between the centre of each livestock carrying area and the rear axle. One plan is required for each stock deck. Drawing of deck(s) Calculate S10 laden mass A copy of weight distribution calculations must be attached to the end of Part C Apply 15,000kg vertically through the centre of the fifth wheel coupling to simulate loading from a laden semitrailer (if trailer is fitted with a fifth wheel coupling i.e. lead b-double trailer, etc) Total Livestock area (all Decks) Kingpin S10 laden mass (F5) Rear axle group S10 laden mass (R5) Vehicle S10 laden mass (F5+R5) Vehicle chassis no./VIN: Date: Signed: Modification Code S10: Concessional Livestock Loading - Vehicle Rating - Version 2.0

	nd B-triple Trailer)	
A Differential		Vac Na
Modification Is the applicable vehicle S10 mass	Check Yes, No as applicable: (If No do not proceed with the rating) less than or equal to the values recorded above in the manufacturer's mass ratings?	Yes No
2 Is the maximum kingpin load less		
	than of equal to 25,000 kg.	
dditional Information Veight distribution calculations		
art D - Vehicle details and dec	clarations	
	clarations	
VE Authorisation Declaration by certifier (AVE)		
NE Authorisation Declaration by certifier (AVE) am the Approved Person who comp	pleted all the mass calculations and declare that the information in this form is true	
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Appendix 1 — Glossary

General terms

Additional equipment	Any equipment that has been, or is planned to be, fitted to the truck after the time of weighing. Items could include, but are not limited to, bullbar, sleeper cab air conditioning, spare wheel/tyre(s)toolbox(s), refrigerator(s), etc.			
Fluid tank	A tank used to store a fluid. This may include (but not be exclusively restricted to) auxiliary fuel, AdBlue tanks, water and/or effluent tanks that are fitted to the truck and/or trailer.			
Front axle group/Kin pin S10 Laden Mass	The total simulated mass as calculated according to the Livestock Loading (S10) code on: the front steer axle group of a truck, or the front axle group of a dog trailer, or the axle group of a dolly, or the kingpin of a semitrailer.			
Length	Length is to be calculated to the nearest 5 mm.			
Mass	Mass is to be calculated to the nearest kilogram.			
Rear axle group S10 laden mass	The total simulated mass as calculated according to the Livestock Loading (S10) code on: the rear axle group of a truck, or the rear axle group of a dog trailer, or the axle group of a semitrailer.			
Standard equipment	Includes bullbar, sleeper cab air conditioning, spare wheel/tyre(s) toolbox(s), etc. The stock crate/body, gates, effluent tanks, etc. and OH&S equipment etc.			
Stock crate length	The overall internal length of the livestock trailer/body.			
Ullage	The air space in the top of a tank to allow for liquid expansion. Nominal tank capacity = Rated, or actual, tank capacity + ullage.			
Unladen dry mass	The mass of the empty vehicle (truck/trailer) when all standard equipment, plus all the additional equipment used in normal operation is fitted and all fluid tanks are empty (fuel, AdBlue, water, effluent). For a semitrailer, this is the UTM (unladen trailer mass) plus the mass at the kingpin.			
Vehicle S10 laden mass	The total simulated mass as calculated according to the Livestock Loading (S10) code. For a semitrailer this will be kingpin S10 Mass + rear axle S10 Mass.			
Volume	Volume is to be calculated to the nearest litre.			

Truck terms

Steer axle group rating

- The truck manufacturer's original load rating for the front axle group system, or
- Rating certified under VSB6.

In their absence, the minimum rating of any component that makes up the steer axle group and includes, the entire steering system, axle beam, knuckles, hubs, bearings and the suspension.

Unladen (wet) mass

The mass of the truck in running order unoccupied and unladen with all fluid reservoirs filled to nominal capacity including fuel, AdBlue and water, and with all equipment used in normal operation fitted.

Note: Unladen wet mass is equivalent to the unladen mass detailed in the *Heavy Vehicle* National Law - Queensland Class 3 Livestock Loading Exemption Notice.

Trailer terms

Trailer unladen mass

The mass of the trailer in running order and unladen, with all fluid reservoirs filled to nominal capacity including auxiliary fuel, AdBlue and water tanks. All equipment used in normal operation fitted. The unladen trailer mass includes mass at the kingpin plus mass at axle group.

Note: Trailer unladen mass is equivalent to the unladen mass detailed in the Heavy Vehicle National Law - Queensland Class 3 Livestock Loading Exemption Notice.