

The logo is a red shield with a white border, centered on a grey diamond plate background. The shield contains the text 'TMC' in large white letters, 'TECHNICAL & MAINTENANCE CONFERENCE' in smaller white letters with a horizontal line below it, and 'PACCAR & DEALER' in white letters with a small truck icon above the word 'PACCAR'.

TMC

TECHNICAL & MAINTENANCE
CONFERENCE

PACCAR & DEALER

2017



VEHICLE STANDARDS BULLETIN 6

VSB 6



TODAY'S PANEL

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WHAT IS VSB 6

**MODIFIED TRUCKS AND TRAILERS
ARE REQUIRED TO COMPLY WITH
VSB 6 UNDER THE HEAVY VEHICLE
NATIONAL LAW.**

**VSB 6 PROVIDES GUIDANCE FOR
APPROVED VEHICLE EXAMINERS
(AVES) WHEN CERTIFYING MODIFIED
HEAVY TRUCKS AND TRAILERS.**



INSPECTION CHECKLISTS ARE PROVIDED FOR COMPLETION BY THE AVE AS PART OF THEIR EVIDENCE OF COMPLIANCE.

THE INFORMATION ALSO ASSISTS MODIFIERS TO ENSURE VEHICLES PRESENTED TO AVES MEET THE RULES.

DON'T WAIT UNTIL THE ALTERATION IS COMPLETED TO CONSULT WITH THE AVE.



SECTION A – ENGINES
**REPLACEMENT ENGINES, AIR
CLEANERS, TURBO CHARGERS, ROAD
SPEED LIMITERS**

SECTION B- TRANSMISSIONS

SECTION C – TAILSHAFT

SECTION D – REAR AXLES
INSTALLATION, SUBSTITUTION



SECTION E – FRONT AXLES, STEERING, WHEELS AND TYRES

SECTION F - SUSPENSION

SECTION G – BRAKES

SECTION H – CHASSIS FRAME



SECTION J – BODY MOUNTING

SECTION K -CABIN

SECTION M – FUEL SYSTEMS

SECTION P – TOW COUPLINGS/FIFTH WHEELS



SECTION R – VEHICLE MOUNTED LIFTING SYSTEMS

SECTION S – VEHICLE RATINGS

SECTION T – TOW TRUCKS



Matthew Fletcher
National Heavy Vehicle Regulator

Heavy Vehicle Modifications



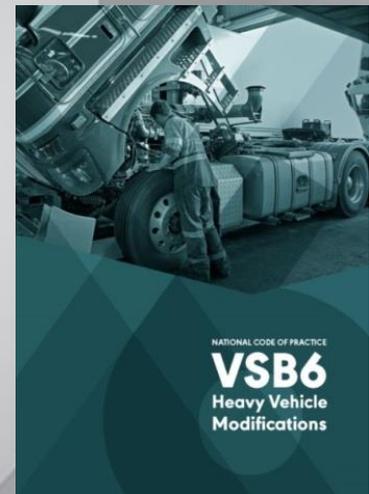
Background

- VSB6 sets the standards for heavy vehicle modification.
- OEM guidelines are to be applied in the first instance.
- Where OEM guidelines are not available (do not cover the modification or are not available) VSB6 is to be used.
- Modifications outside of VSB6 require specific approval.
- NHVR started a comprehensive review of VSB6 in July 2015
- NHVR published VSB6 Version 3 in July 2017, commenced use September 2017.



VSB6 Project review

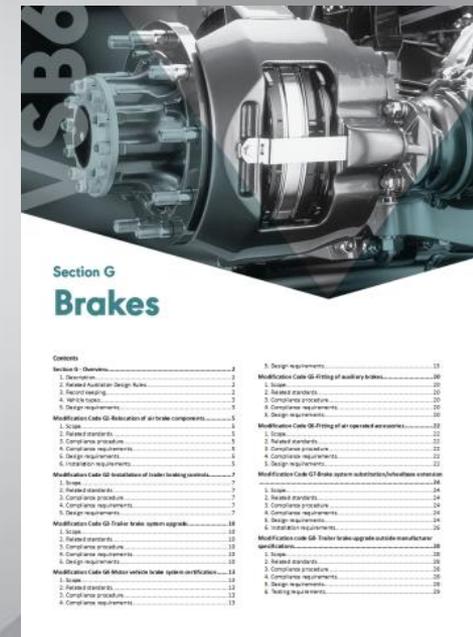
- NHVR review, in consultation with states, territories and industry:
 - ensured code content matches qualification of certifying AVEs
 - consolidated two-stage approach - design and installation
 - where possible, consolidated codes where requirements are aligned
 - ensured modifications are significant enough to require certification
 - ensured the code reflects and is aligned (where applicable) to International Standards, the HVNL Vehicle Standards and other Standards such as Australian Standards





VSB6 Review Project

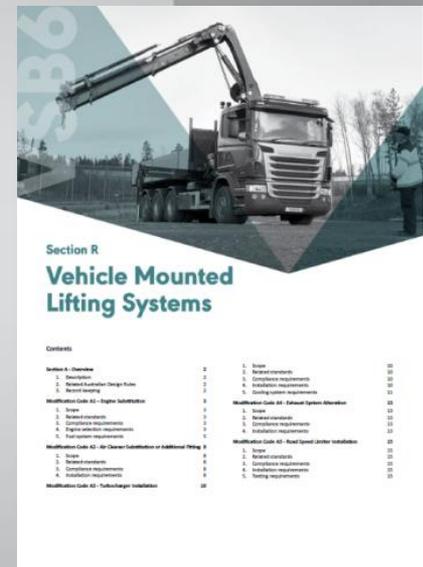
- Notable changes:
 - new look, structure and redrawn diagrams/images
 - simplified requirements for air-operated accessories (G6)
 - revision of FUPD/FUPS requirements (revised H6, new H7 code) (delayed)





VSB6 Review Project

- Notable changes:
 - New requirement for tippers to meet the requirements of AS 1418.8 (delayed)
 - new code for installation of roll-over and falling object protection systems (J3)
 - new code for Child Restraint Anchorage installation (K6)
 - simplified certification of vehicle-based lifting systems (remove Q, expand R)





VSB6 Promotion

- Pod casts
 - Heavy vehicle modifications
 - Installation of bodies
 - Tow couplings
- Vehicle Standards Guides (VSG)
 - 50mm ball couplings
 - Delay in AS1418.8 requirements for tippers
 - Delay in H6/H7 requirements for bullbars
- Who owns education? Everyone
- How do we get VSB6 to be used



National AVE Project

- Proposed project that will consider development of a national approved vehicle examiner (AVE) scheme.
- Project will consider some 'hot' topics, such as:
 - a national modification plate and certificate
 - monitoring and auditing regime
 - a national inspection system (IT solution)
 - will existing AVEs be transitioned
 - insurance requirements



Hot topics

- When is a mod plate required for 5th wheel changes?
- Bull bars and modification Codes H6 & H7
- J1 tipper requirements of AS1418.8
- Safety chain attachment points
- 50mm ball couplings
- Tow trucks
- Rear wheel changes