

# CVIU Perspective on HPMV's

Presentation to IRTENZ Conference  
2015

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H

FREIGHTLINER

JANS  
TRANSPORT LTD.

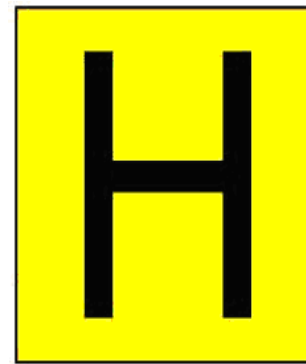
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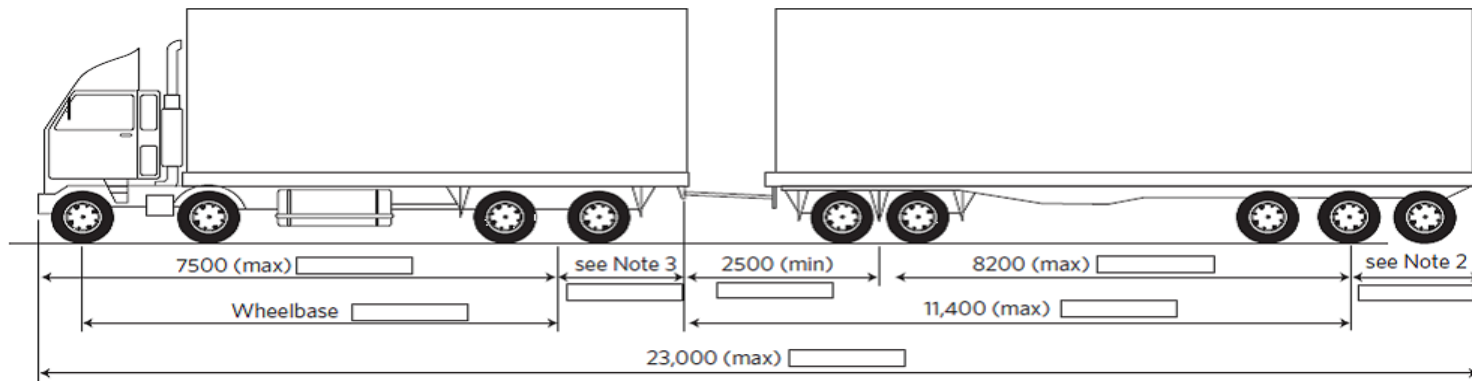
# What is HPMV?



- **An HPMV:**
- **carries a divisible load, and**
- **exceeds a mass of 44,000kg. and/or the maximum length dimensions allowed for standard vehicles.**
- **operates under a route specific HPMV permit issued by a road controlling authority (RCA) on roads and bridges that have been determined to be able to accommodate the additional mass and/or length, and displays an 'H' sign on the front and rear.**



# Types of Permits



**Note 1** Axle groups can be replaced with alternate groups at the same axis points

**Note 2** Max. is lesser of 4300 or 50% of wheelbase

**Note 3** Minimum of 2000mm or maximum of 45% of wheelbase

The two main types of HPMV permit are over-length and higher mass

# Vehicle Condition Permit Requirements

- **Mass vehicles must have an 'H' sign at front and rear of the vehicle combination.**
- **May not to operate on any road with a prescribed length restriction if the vehicle exceeds that restriction**
- **Must have roll stability control (RSC) – all trailers must have RSC fitted and active.**

# Impact of HPMV

- **Increased payloads means more efficient freight movements – potentially affords economic benefits to producers, customers and our communities.**
- **However these vehicle are subject to route restrictions by the permit issuing road controlling authorities.**
- **Gross mass may have an impact on infrastructure such as bridges and culverts .**
- **For 50max vehicles, there is the book of maps on the NZTA website**

# Annual Compliance Survey

	2012	2013	2014	2015
Combinations stopped	2152	2163	2171	2238
HPMV's	12	41	38	123
HPMV's with no offences	2	19	18	76
COF offences	6	7	4	15
RUC offences	6	7	8	16
Limits offences	3	10	8	10
Other offences	6	11	11	35





# Enforcement Checks

Each stop is subject to checks that may include-

- Drivers licence
- Logbook
- HPMV permit
- Vehicle/s labels
- Certificate of fitness
- Driver sobriety
- Load security
- Vehicle/s condition
- Dangerous Goods



# HPMV Permit Enforcement

To reduce unnecessary delays at the roadside the driver needs to;

- Know what route he/she is permitted to be on
- Know where the permit is
- Produce the correct permit
- Load the vehicle correctly
- Ensure the permit relates to the combination they are operating

# HPMV permit condition RSC

## Roll Stability Control (RSC)

- This applies to trailers that have ABS/EBS brakes fitted to them.
- Roadside stops have detected HPMV's moving where drivers have not connected or deliberately disabled EBS/ABS brake cables.
- Trailers are pink stickered or remain parked up until a cable is fitted and EBS working.



# HMPV common defects detected

- Lighting
- Turntable fasteners loose
- Windscreen damaged
- EBS/ABS not operative
- Brakes/slack adjuster angle insufficient
- Tyres- tread insufficient
- Fluid leaks
- Load anchorage damaged/not securely fastened



# Changes to VDAM

- **The Rule amendment changes the overweight vehicle and high-productivity motor vehicle permit systems.**
- **It splits permit conditions into critical and additional categories;**
- **provides weighing tolerances for vehicles being operated under permits; and**
- **clarifies other conditions under which vehicles being operated under permits may operate.**

# Changes to VDAM Contd.

- The amendment Rule sets out circumstances where the permit would be made invalid (such as operating off a route described in the permit). The permit form has also been revised.
- The previous practice of ‘voiding’ a permit for ANY breach of a condition is discontinued, however, the power to void or revoke a permit remains.



# Changes to offence penalties

The regulations now differentiate between vehicles that are operated under a permit and those that aren't. The new regulations now provide:

- graduated offences, with appropriate penalties, for breaches by permit holders; and
- increased fine levels for overweight vehicles being operated without a permit.



# Weighing tolerances

- Enforcement weighing tolerances for vehicles operating without a permit are essentially unchanged. The tolerances for standard vehicles (44 tonnes) remain the same.
- The changes for all permitted vehicle have changed to:
  - 500 kg for steering axles, individual axles and gross mass
  - 1000 kg for other sets and groups of axles.

# HPMV offences detected

From February 2015 until July 2015, 143 HPMV permit weight offences were detected by CVIU.

- 71 for failing to comply with permit,
- 22 for exceeded gross mass
- 13 for failing to comply with permit conditions

# HPMV offences detected Cont.

Since the changes to VDAM on 8<sup>th</sup> July 2015 more than 12 Breaches of Critical Condition have been detected.

These carry an instant penalty of \$2000.

# HMV crashes within the last 12 months

- There were 109 fatal and serious truck crashes reported in the CVIU crash database for the last 12 months.
- 10 of them involved HPMVs.



# Ensuring Compliance

In order for the driver to proceed through a check it is important that the permit is;

- Produced on demand
- Displays the correct vehicle registration numbers
- For the correct location
- The weight limits are not exceeded
- The permit general conditions are met
- Bridge requirements are not breached
- Route restrictions are not breached





# Thank You

Questions?

