

# 'Maintaining the Edge' Government Initiatives

## The New Zealand Approach : Vehicle Inspections as a Road Safety Tool

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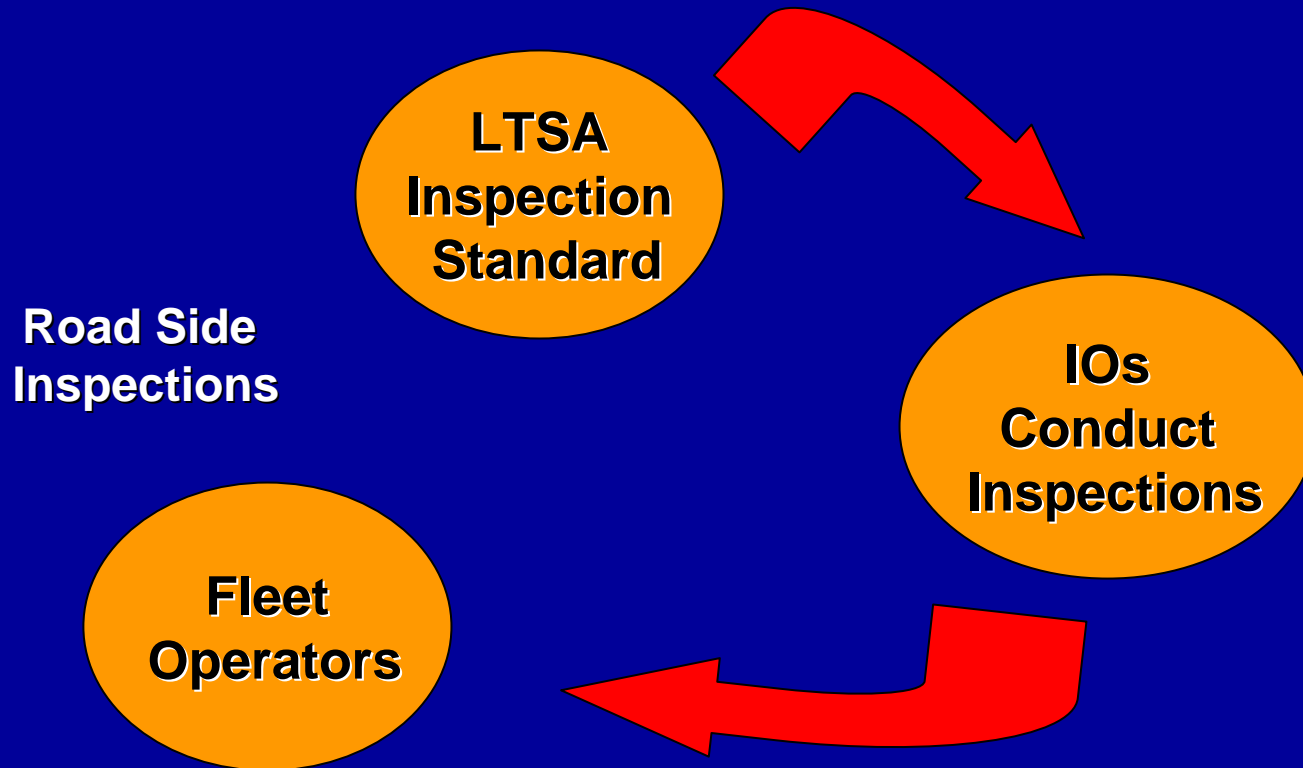
# WHY ARE HEAVY VEHICLES BUCKING THE TREND?

- Increase in overall traffic volume
- More trucks on the road, carrying more freight over greater distances
- No significant improvements to the roading network

# ECONOMIC PRESSURES

*“Commercial success in a competitive environment implies operating at the fringes of usually accepted practice. Closing in on and exploring the boundaries of normal and established practice necessarily implies the risk of crossing safety boundaries”*

# INSPECTING REGIME



# PRINCIPLES OF THE INSPECTION REGIME

- **Clear definitions**
- **Performance measures**
- **Incentives**
- **Disincentives**
- **Targeted enforcement**

# MANAGING THE INSPECTING ORGANISATIONS

- **Inspection Standard**
  - **Vehicle Inspection Requirement Manual**
- **Inspecting Organisation**
  - **Performance Review System**

# The Performance Review System

- sets out the requirements clearly and openly – used by certifiers and reviewers
- measures performance using a scoring system
- identifies strengths as well as weaknesses
- encourages improvement by letting you know how to do better
- provides a level playing field – it applies equally to garages testing stations and specialist certifiers

# COF REVIEWS

**BELOW AVERAGE  
SCORE OF  
1.0 TO 1.9**

**6 REVIEWS**

**7 REVIEWS**

**TOTAL REVIEWS  
48**

**AVERAGE  
SCORE OF  
2.0 TO 2.5**

**35 REVIEWS**

**ABOVE AVERAGE  
SCORE OF  
2.6 TO 3.0**



# COF OFFSITE REVIEWS

**BELOW AVERAGE  
SCORE OF  
1.0 TO 1.9**

**7 REVIEWS**

**30 REVIEWS**

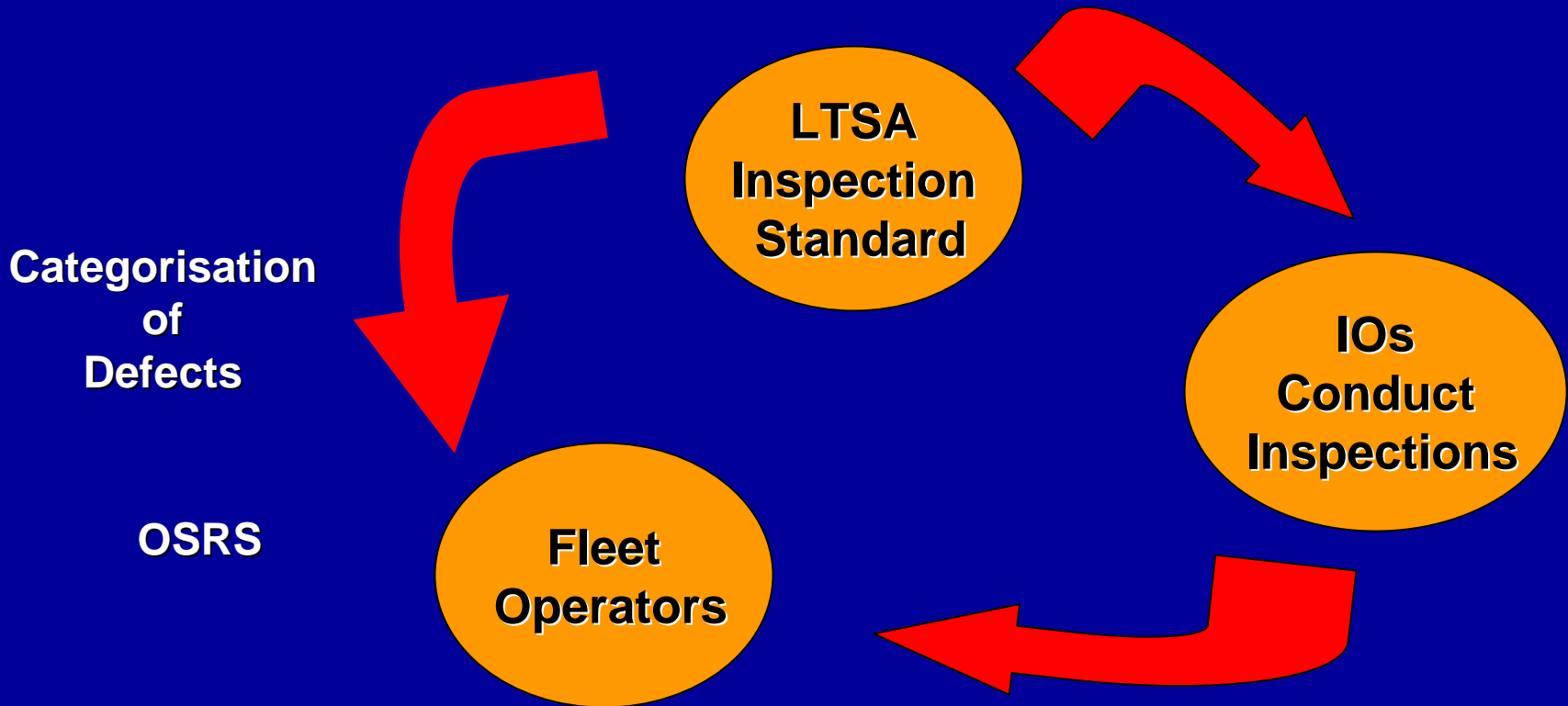
**TOTAL REVIEWS  
82**

**AVERAGE  
SCORE OF  
2.0 TO 2.5**

**ABOVE AVERAGE  
SCORE OF  
2.6 TO 3.0**

**45 REVIEWS**

# COMPLIANCE AND ENFORCEMENT



# SUMMARY

## Systems approach

- Dominant focus on infrastructure, systems and environment

## Dynamic interventions

- Economics
- Ethics
- Emotion

# **SUMMARY - CONTINUED INSPECTIONS**

- **Identify vehicles and components that exhibit a high failure rate**
- **Identify organisations who apply inadequate maintenance regimes**
- **Identify areas of vehicle design and manufacture that could be improved**
- **Improve vehicle regulation and policy development**

# SUMMARY - CONTINUED INDUSTRY WIDE APPROACH

- **Safety must be built in to the industry**
- **Goal is to achieve 'willing compliance'**
- **Delivered through an incentive-based regime**

# WILLING COMPLIANCE

- The state reached when it is:

“the **norm**\* for the industry/operator to do what it is agreed because of the benefits (business/other) rather than because of the adverse consequences of not doing it”.

[\* The norm is what is usual, typical, expected and accepted, even if not everyone actually conforms]