



InterSafe
Protecting People



Energy
CONCEPTS™

Damage Management Framework



Training Courses

Module 4: Understanding Vehicular Energy

Risk management is an integral part of any organisation's OH&S management system. For the process to succeed, appropriate knowledge is needed.

This course is designed to provide factual information to assist people with aspects of the risk management process, including:

1. **Hazard Identification** – information relating to the types and frequencies of incidents within the workplace.
2. **Risk Assessment** – information relating to the 'reasonable consequences' associated with incidents in the workplace as well as the likelihood of those injuries.
3. **Risk Control** – information relating to effective control measures

Outcomes of this Course

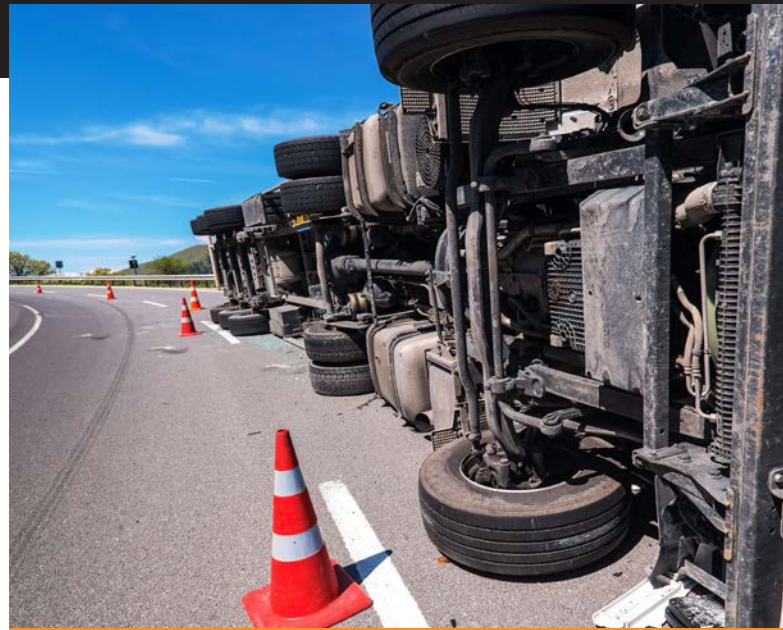
This course will help the participant to:

1. Appreciate the size and nature of the vehicle energy problem in Australia in terms of fatal and non-fatal permanent damage
2. Be sensitised to:
 - Impact dynamics
Impact times and damage – the whiplash experience
Effect of seatbelts – airbag deployment
 - Braking distances
Effect of road conditions
Effect of tyre conditions
Effect of increasing speed
 - Reaction times in alerted and un-alerted conditions
Effect of alcohol / fatigue – portable breathalysers
 - Perceptual Processes
How to modify scanning patterns for more visual data
 - Motorway Anxiety Disorder (road rage)
3. Be aware of what to do and not to do in the event of a reportable accident with particular focus on issues of the Law.
4. Participate in a facilitated Critical Behaviour Assessment of group driving behaviours to:
 - Recognise critical behaviours in the driving task
 - Assess individual / group behaviours against these critical behaviours
 - Determine why some behaviours are 'Poor / Fair' vs. 'Good / Excellent'
 - Aim for a change in specific individual driving behaviours
 - Review individual and corporate exposure.



Course Outline

1. Vehicle Incidents on Public Roads
2. Common Vehicle Incident Factors
 - Wearing a Seatbelt
 - Travel Speed
 - Braking Distances
 - Fatigue
 - Alcohol
 - Mobile Phones
 - Visibility
3. Vehicle to Pedestrian - Separation Standard
4. Vehicle to Environment
5. Vehicle to Vehicle
6. Whole Body Vibration
7. Vehicle Specifications
8. Vehicle Energy - Focussing Questions



Other Energy Concepts™ Courses

This course can be built on by a range of other courses in the Energy Concepts™ series, including:

Module 1: Understanding Permanent Personal Damage

Module 2: Understanding Human Energy – Manual Handling

Module 3: Understanding Gravitational Energy

Module 5: Understanding Electrical Energy

Next Steps

If you would like to discuss an **Energy Concepts™** course or how InterSafe could assist you please contact one of our team on:

+61 7 3895 8111

or enquiries@intersafe.com.au

Who is InterSafe?

InterSafe specialises in incident investigation. InterSafe has assisted our clients in effectively controlling the future through preparation of more than 10,000 comprehensive incident reports (dealing mostly with fatal/permanently disabling occurrences) throughout 60 years of collective experience.

This experience has led to a unique way of thinking about, investigating and preventing incidents. InterSafe shares these powerful and effective investigation models and techniques through a range of courses and services.



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