



**Asia-Pacific
Economic Cooperation**

2017/TPTWG/WKSP1/016

Safety Issues

Submitted by: Australia



**Workshop on Regulating High Mass Heavy Road
Vehicles for Safety, Productivity and Infrastructure
Outcomes
Brisbane, Australia
3-6 April 2017**

Safety Issues

- **When assessing safety the emphasis should not just be in the Headline number of fatalities**
- **The number of other injuries sustained in motor accidents also need to accounted for:**
 - **Serious Injury Accidents**
 - **Minor Injury Accidents**
 - **Property Only Accidents**

The distribution of Casualty Accidents

Number of Crashes

Number of Persons

		Killed	Serious Injury	Other Injury	Total Casuliaty Injuries
Fatal Crashes	1,887	2,051	936	499	3,486
Serious Injury	32,507	0	37,061	6,876	43,937
Other Injury	72,340	0	0	87,990	87,990
Total	106,734	2,051	37,997	95,365	135,413

Accident Issues

- **Accident Costs Using the Willingness To Pay (WTP) for Victorian June -2016 Prices**
- Fatalities \$9,366,500
- Serious Injury \$498,600
- Other Injury \$97,300
- Property Only \$ 8,000

Summary of the Value of A Life June 2010 Values

Country	Value of Life	Method
• NewZealnd	\$3,421,000	WTP
• Austria	\$3,854,900	WTP
• Canada	\$1,765,500	HC
• France	\$1,533,500	HC
• Germany	\$1,537,300	HC
• Iceland	\$5,711,600	HC + PGS*
• Latvia	\$1,780,800	HC
• Netherlands	\$2,377,700	HC + PGS
• Sweden	\$2,437,100	WTP
• UK	\$2,986,600	WTP
• USA	\$3,856,200	WTP
•	Source: Austroads Report -R 438-4 Australia: The Case for Willingness to Pay (WTP) Values for Road Safety	

Distribution of Accidents Occurring in Victoria June 2010 to September 2016

- **,051 37,997 95,365 135,413**