

ENGINEERING

EDUCATION

ENFORCEMENT

ROAD DEATHS



SAFETY FOR OTHER MODES

Although the number of deaths in the maritime and aviation sectors is low compared to road, there is still scope for improvement and work is being undertaken to enhance the safety of these modes. A number of airports, including Wellington International Airport, are developing runway safety areas to provide an extra margin of safety for overrunning (arriving or departing) or undershooting (arriving) aircraft.

A cross-modal approach to safety is also needed to promote a common understanding of safety principles and targets, to encourage multi-modal approaches to common safety problems, ensure effective practices are shared and a cross-modal safety culture is fostered.

Work underway includes the development of a cross-modal approach to the prevention of drug and alcohol use in the maritime, aviation and rail industries.

The current definition of road deaths includes only crashes involving a motor vehicle, ie at least one motor vehicle must be involved. In future, and given our targets for increased walking and cycling, we may also need to consider death and injury targets for crashes involving only cyclists, and cyclists and pedestrians.

TARGETS

PROPOSED HIGH-LEVEL TARGET TO ASSIST SAFETY FOR 2040

Operate to world best-practice safety standards for all modes of transport.

PROPOSED RELEVANT INTERMEDIATE OR DETAILED TARGETS³⁰ FOR 2040

Road deaths no more than 200 per annum³¹.

Over 40 percent of the light vehicle fleet to have four star or better³² occupant protection (currently ten to 15 percent) by 2015 and 90 percent by 2040³³.

Over 25 percent of light vehicles to have electronic stability control (currently less than five percent) by 2015 and 95 percent by 2040.

30. Note that there may be measurement issues with the latter two targets.

31. The category of "road deaths" includes cyclists and pedestrians that die as a result of a crash involving a motor vehicle on a public road.

32. Out of a maximum occupant protection score of five stars based on two tests: an offset frontal test and a side impact test. Research shows a strong correlation between the tests and injuries suffered by vehicle occupants in serious on-road crashes.

33. Achieving this and the following target is going to depend heavily on the speed of turnover in New Zealand's vehicle fleet. A vehicle fleet strategy discussion paper is currently being prepared.