

NATIONAL PUBLIC SECTOR FLEET MANAGEMENT CONFERENCE 2018

Rhianne Robson
Director – Communications & Advocacy
ANCAP SAFETY

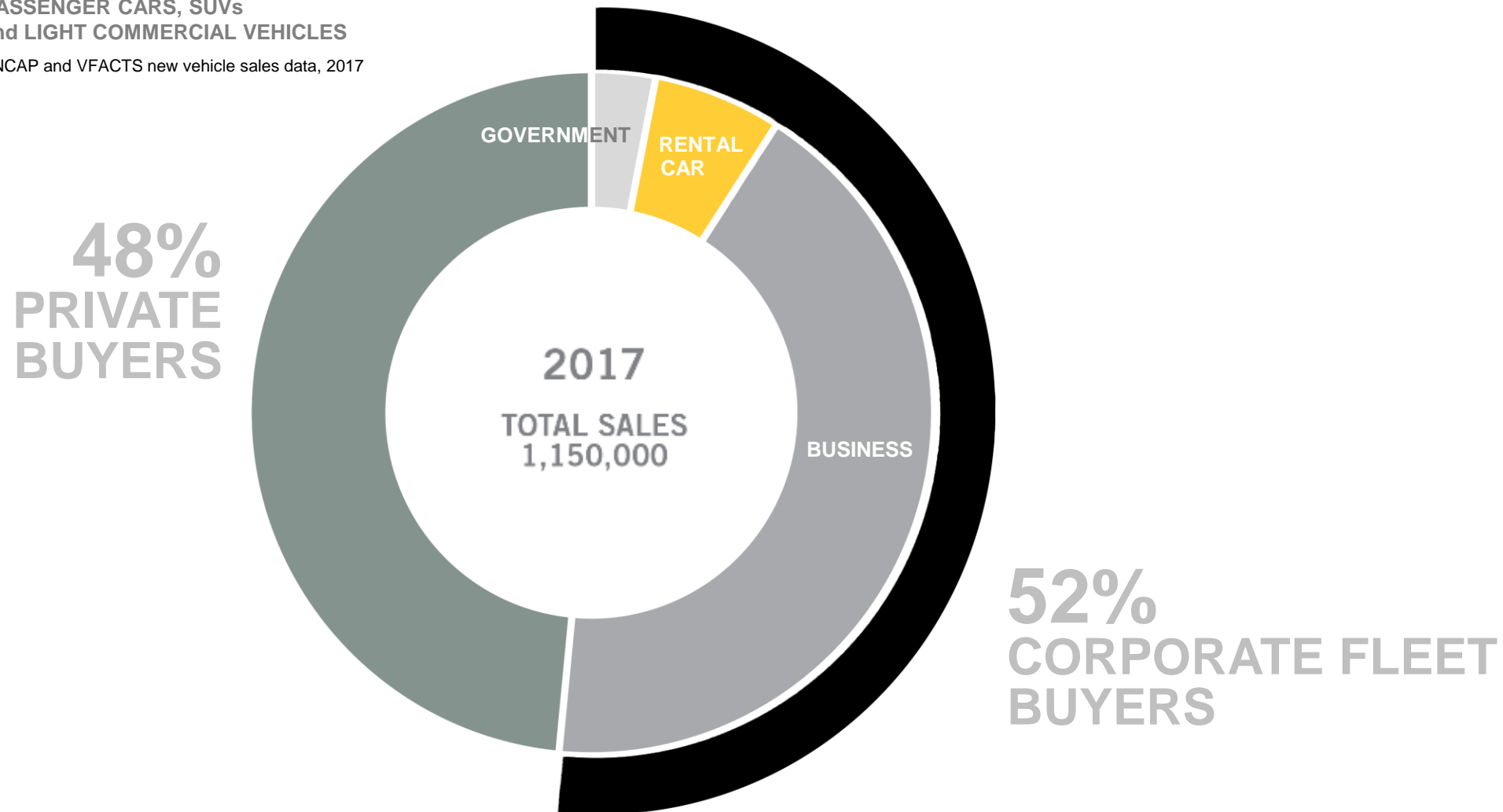
“The employer has a duty to take all reasonably practicable steps to protect the health and safety at work of the employer’s employees.

*This extends to protecting the health and safety of employees driving work vehicles for work purposes.
The vehicle is a workplace.”*

A CRITICAL MARKET TO INFLUENCE

PASSENGER CARS, SUVs
and LIGHT COMMERCIAL VEHICLES

ANCAP and VFACTS new vehicle sales data, 2017



25
YEARS OF
INFLUENCE



FLEET SURVEY RESULTS

- **91%** have a vehicle selection policy which includes a **minimum** ANCAP safety rating:
 - 56% required a 5 star minimum
 - 38% required a 4 star minimum
 - 6% were unsure
- **47%** require **autonomous emergency braking (AEB)** to be fitted.
- **42%** require **lane support systems** (LDW and/or LKA) to be fitted.
- **22%** required **speed assistance systems** (manual speed limiter and/or ISA).



YEARS OF
INFLUENCE



WHAT IS ANCAP?



YEARS OF
INFLUENCE



WHAT IS ANCAP & WHY DOES IT EXIST?

To eliminate road trauma through the testing & promotion of safer vehicles.

- ANCAP is an **independent, non-regulatory, consumer information** organisation:
 - provide independent, credible and easily comparable vehicle safety ratings for **consumers**.
 - encourage **vehicle brands** to include a higher level of safety in their vehicles.
- Vehicles are tested & awarded an ANCAP safety rating of between **0 to 5 stars**.
- Australian Design Rules (ADRs) specify minimum regulatory requirements. **ANCAP requirements are higher than ADRs.**
- ANCAP is complementary to regulation.



YEARS OF
INFLUENCE



Since foundation, ANCAP has leveraged its success from its strong and dedicated membership. ANCAP's ability to effect market change and communicate its messages to a wide base of stakeholders is a direct result of its solid member backing and their continued support.

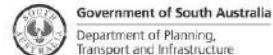
Supported by

twenty three

member organisations across
Australia & New Zealand.



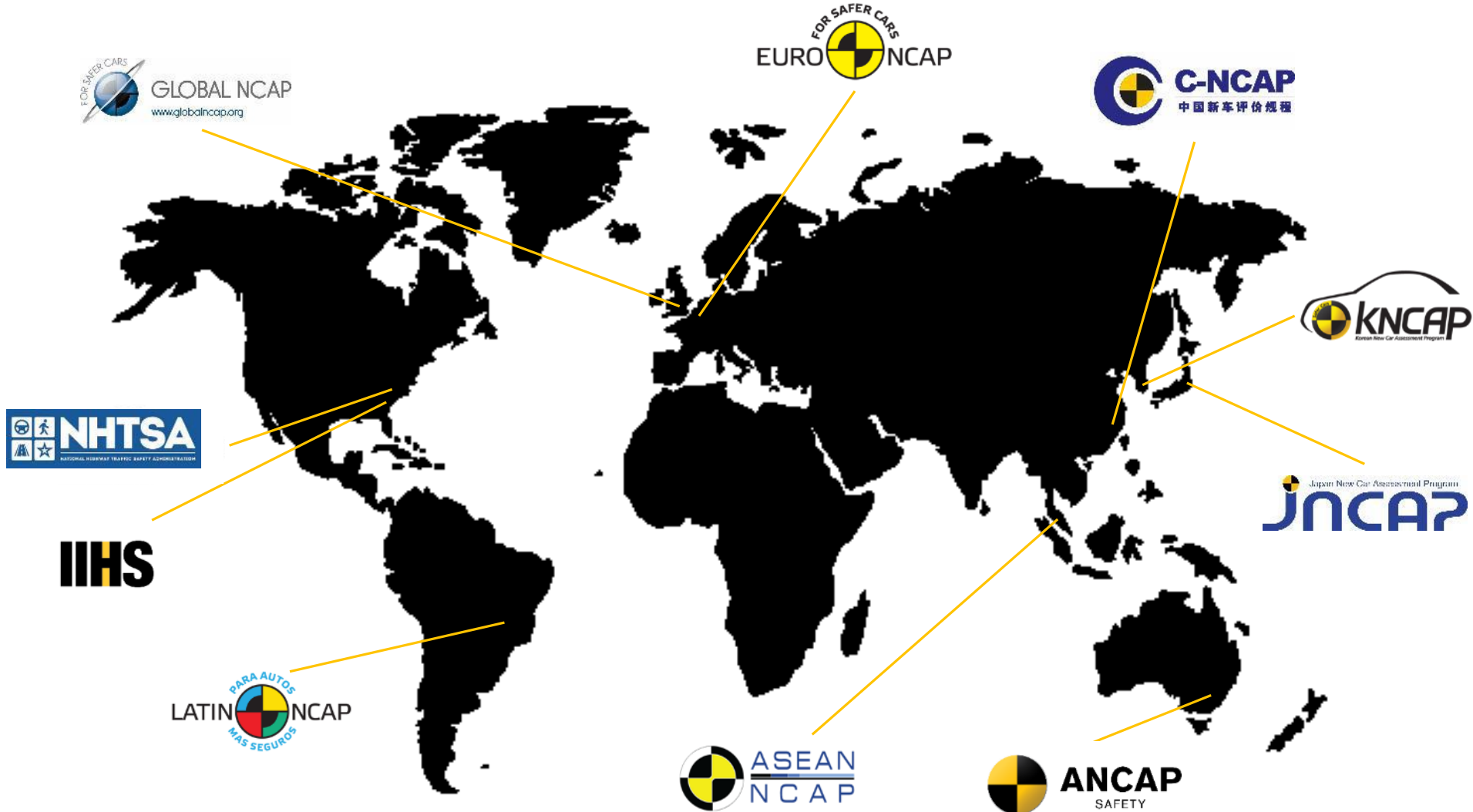
Department of
Transport



YEARS OF
INFLUENCE



NCAPs AROUND THE WORLD



YEARS OF INFLUENCE



VEHICLE SAFETY IMPROVEMENTS



YEARS OF
INFLUENCE





1990s
AUS: >10 deaths per 100,000
NZ: 21 deaths per 100,000

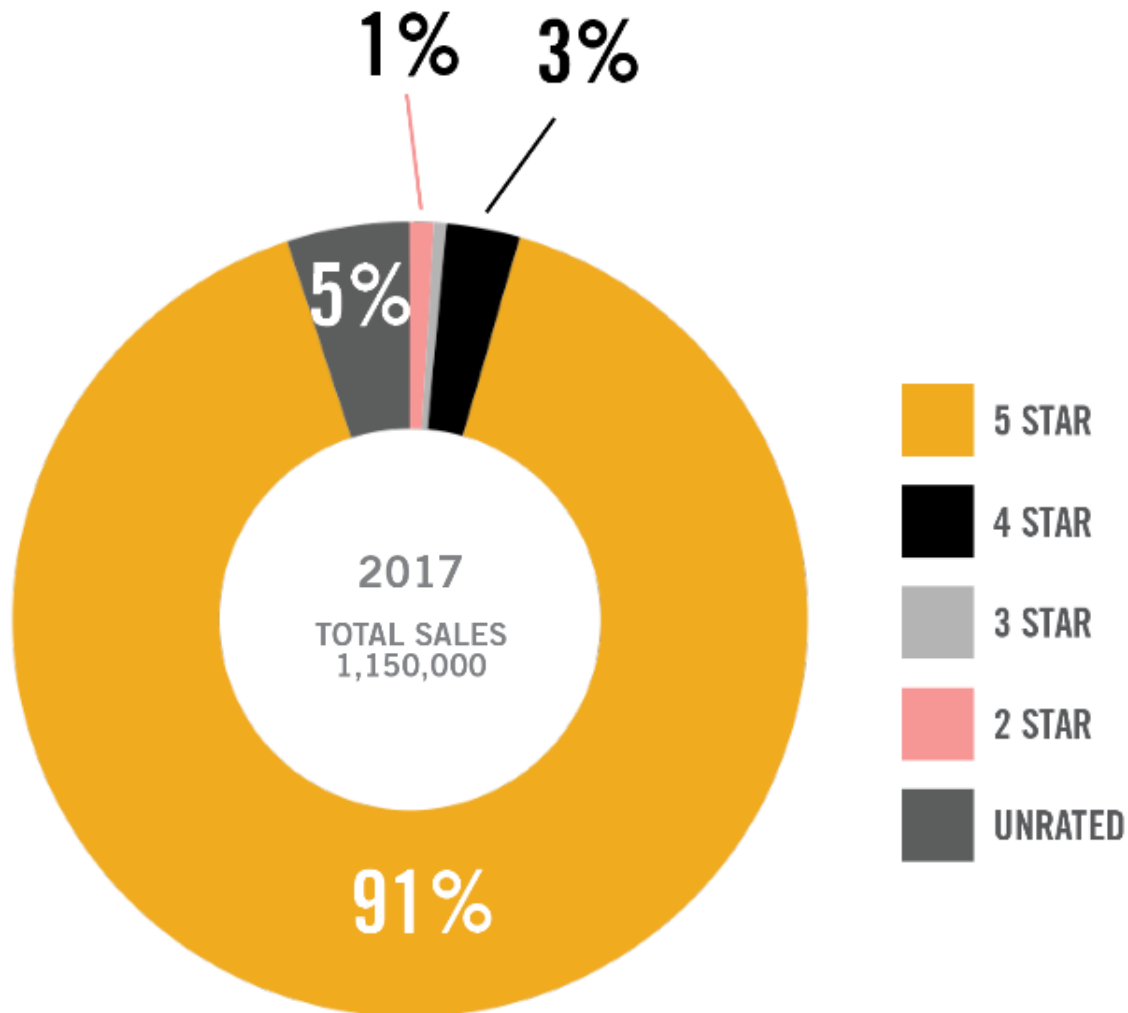




TODAY
AUS: 5 deaths per 100,000
NZ: 8 deaths per 100,000



MARKET COVERAGE (AUS)



95% of the Australian new vehicle fleet is covered by an ANCAP safety rating.

Source: ANCAP and VFACTS new vehicle sales data, 2017



YEARS OF
INFLUENCE



OUR TEST REGIME

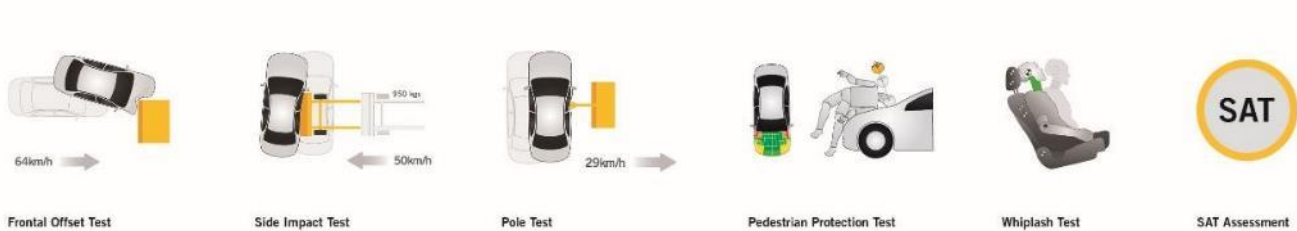


YEARS OF
INFLUENCE



NEW & UPDATED TESTS

PREVIOUS TEST REGIME:



NEW TEST REGIME (from January 2018):



VEHICLE SELECTION

- ANCAP generally selects **popular-selling** models for testing
(biggest influence on the market):
 - highlight unusually **good** or **poor performers**
 - **new vehicle brands** entering the market
 - some models put forward for assessment by vehicle brands
- Purchased or selected at **random**.
- **Lowest** safety specification, **unmodified**.
- With information from manufacturers, ANCAP can **extend a rating across certain variants** within that model range.



YEARS OF
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64
KM/H



FRONTAL OFFSET TEST

50
KM/H

MAZDA CX-5
21 MARCH 2018



18-MAZ-5002-FW2

FULL WIDTH FRONTAL TEST

SIDE IMPACT TEST



50
KM/H

32
KM/H



OBLIQUE POLE TEST

PEDESTRIAN PROTECTION

ANCAP
SAFETY
18-TOY-5005-2P

40
KM/H

16
KM/H



ANCAP

Crash testing for safety



Insurance Institute for
Highway Safety

2015 Mazda
MX-5
SER16017



WHIPLASH TEST

PILLARS OF ASSESSMENT



ADULT OCCUPANT PROTECTION

	2018	2019	2020
Offset frontal impact	8	8	8
Full-width frontal impact	8	8	8
Side impact (MDB)	8	8	8
Side impact (pole)	8	8	8
Whiplash (front)	1.5	1.5	1.5
Whiplash (rear)	0.5	0.5	0.5
AEB City	4	4	4
MAXIMUM SCORE	38	38	38

MINIMUM %

★★★★★	80%	80%	80%
★★★★☆	70%	70%	70%
★★★☆☆	60%	60%	60%
★★☆☆☆	50%	50%	50%
★☆☆☆☆	40%	40%	40%



CHILD OCCUPANT PROTECTION

	2018	2019	2020
Dynamic tests (frontal & side)	24	24	24
CRS installation	12	12	12
Vehicle-based assessment	13	13	13
MAXIMUM SCORE	49	49	49

MINIMUM %

★★★★★	80%	80%	80%
★★★★☆	70%	70%	70%
★★★☆☆	60%	60%	60%
★★☆☆☆	50%	50%	50%
★☆☆☆☆	40%	40%	40%



VULNERABLE ROAD USER PROTECTION

	2018	2019	2020
Head impact	24	24	24
Upper leg impact	6	6	6
Lower leg impact	6	6	6
AEB VRU (pedestrian)	6	6	6
AEB VRU (cyclist)	6	6	6
MAXIMUM SCORE	48	48	48

MINIMUM %

★★★★★	60%	60%	60%
★★★★☆	50%	50%	50%
★★★☆☆	40%	40%	40%
★★☆☆☆	30%	30%	30%
★☆☆☆☆	20%	20%	20%



SAFETY ASSIST

	2018	2019	2020
Seat belt reminder	3	3	3
Speed assistance system	3	3	3
AEB Interurban	3	3	4
LDW / LKA / LSS	4	4	4
Junction Assist	-	-	2
MAXIMUM SCORE	13	13	16

MINIMUM %

★★★★★	70%	70%	70%
★★★★☆	60%	60%	60%
★★★☆☆	50%	50%	50%
★★☆☆☆	40%	40%	40%
★☆☆☆☆	30%	30%	30%

THE OVERALL STAR RATING OF A VEHICLE IS LIMITED BY ITS LOWEST PERFORMING AREA OF ASSESSMENT.



25
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AUTONOMOUS EMERGENCY BRAKING (AEB)



LANE SUPPORT SYSTEMS (LSS)



SPEED ASSISTANCE SYSTEMS (SAS)

TOYOTA COROLLA



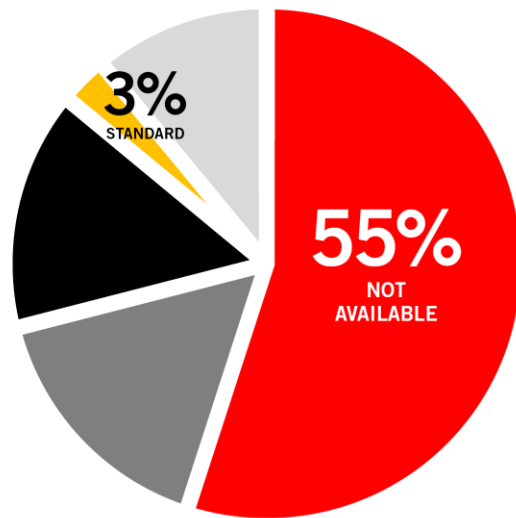
ANCAP
SAFETY

TESTED
2018

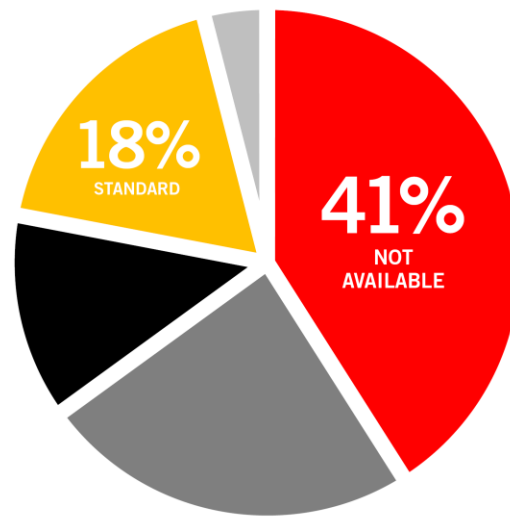


AVAILABILITY OF AUTO EMERGENCY BRAKING

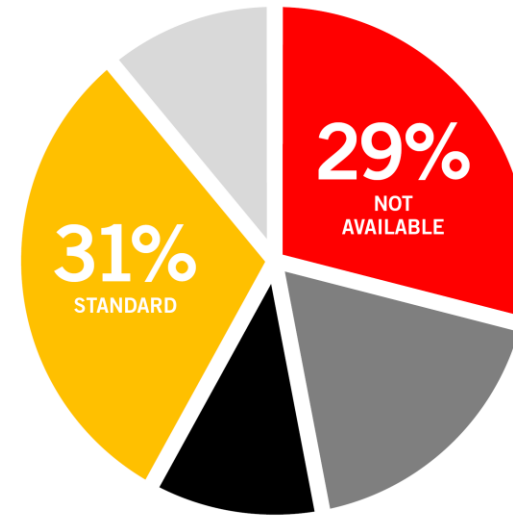
AUSTRALIAN LIGHT VEHICLE SALES
(TOP 100 SELLING MODELS)



DECEMBER 2015



JUNE 2017



MARCH 2018

STANDARD NOT AVAILABLE AVAILABLE ON HIGHER VARIANTS OPTIONAL UNKNOWN



25 YEARS OF INFLUENCE



EFFECTIVENESS OF AEB

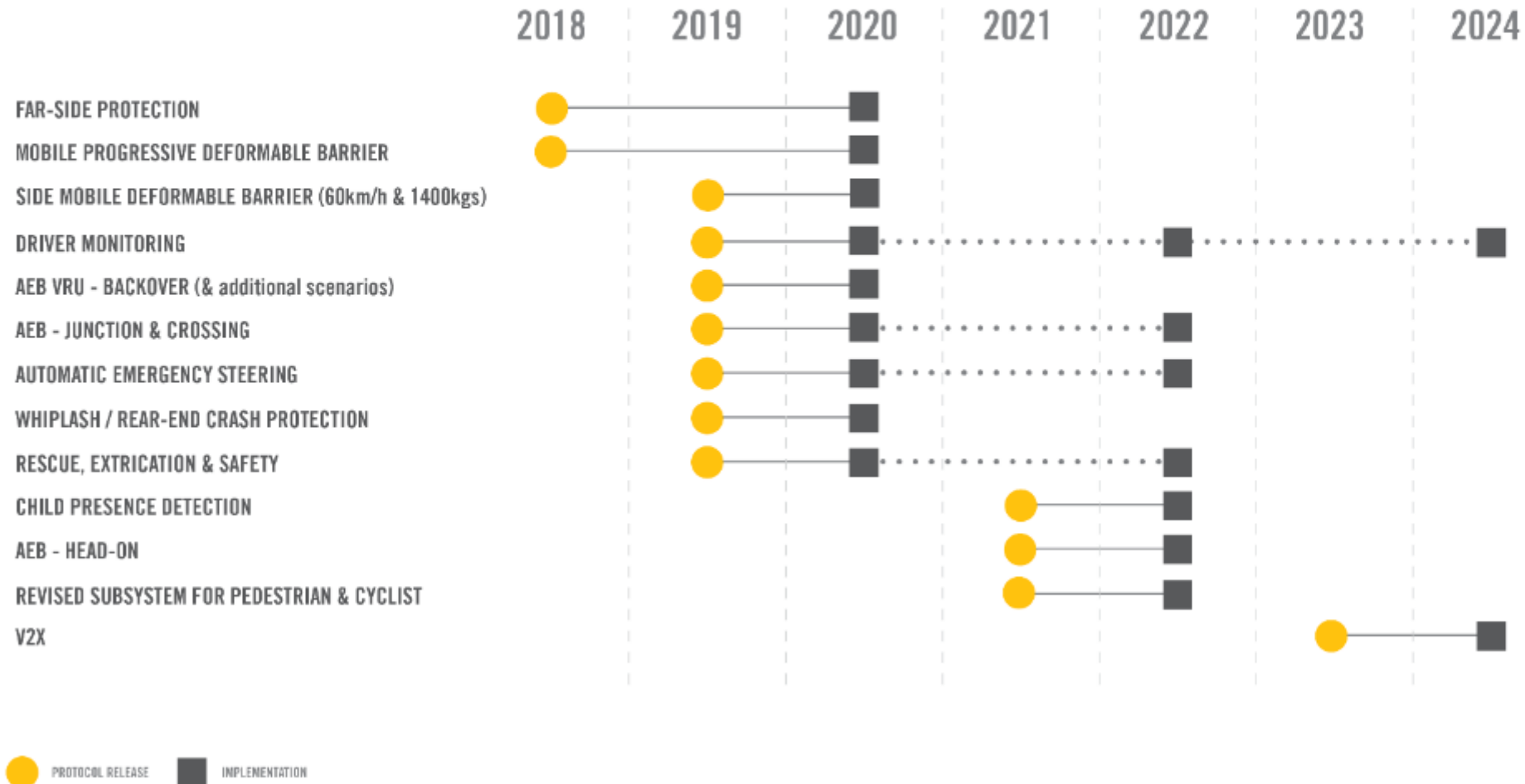
- **55%** reduction in police-reported crashes.
Insurance Institute for Highway Safety (IIHS) & Highway Loss Data Institute (HLDI), USA, 2018
- **38%** reduction in real world rear end crashes.
ANCAP, Euro NCAP, DoIRD research by B. Fildes, 2015
- **27%** reduction in fatal crashes.
Euro NCAP, 2012
- Reduces the risk of real world rear end crashes in metro areas by **54-57%**, and in all areas by **35-41%**.
ICROBI study by M. Rizzi, A.Kullgren, C. Tingvall, 2014



YEARS OF
INFLUENCE



IMPLEMENTATION TIMELINE



CARS OF THE FUTURE



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WHAT IS THE CAR OF THE FUTURE?

The “future” car will most likely look very similar to the cars we are driving today...

...with autonomous technology.



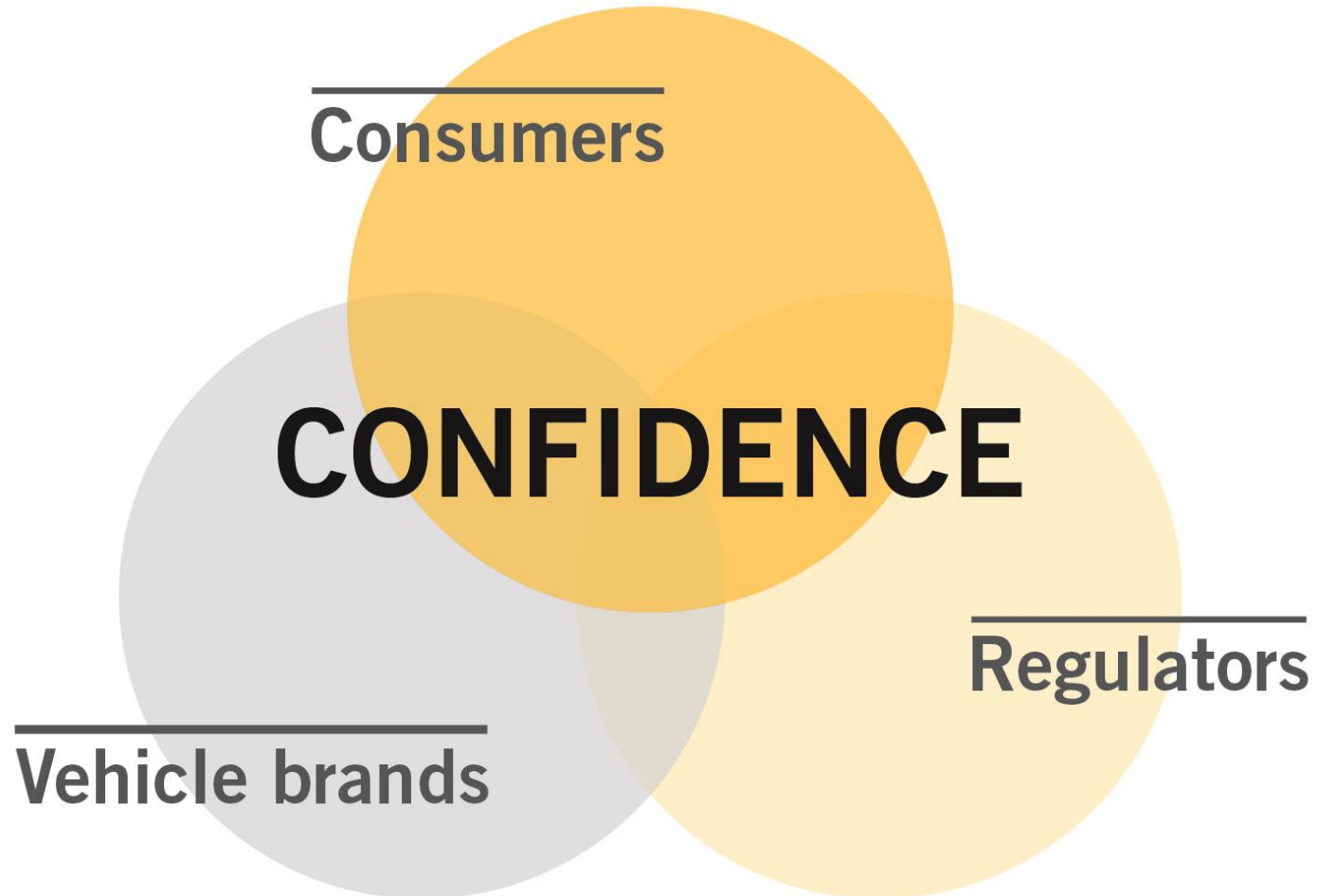
YEARS OF
INFLUENCE



Most Australians are aware of
autonomous safety technologies,
but very few have experienced it.

AUTOMATION IS HERE

ANCAP's ROLE



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FULLY AUTONOMOUS FLEET?

- Will we see a fully autonomous (*SAE Level 4* and *SAE Level 5*) Australian vehicle fleet in our lifetime?
- The immediate priority is to improve the uptake of autonomous technologies that ***assist*** the driver.
- This is the **first stage** in the development of a fully autonomous and safe future.

THE AUTONOMOUS
TECHNOLOGIES ANCAP IS
CURRENTLY TESTING FORM
THE BUILDING BLOCKS
FOR INCREASING LEVELS
OF AUTOMATION.



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CRASHWORTHINESS REMAINS CRITICAL

Australian fleet
average vehicle age:

10 years

**2.7 million
vehicles
15+ years old**

We need to prepare and ensure safety is not compromised with a **mixed vehicle fleet** on the roads:

- **Fully autonomous** vehicles
- **Partly autonomous** vehicles
- Vehicles with **no automation**
- Trucks, motorcycles, pedestrians?



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INFLUENCE



HOW IS AUTOMATION BEING INCLUDED?



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DATESTAMP IS KEY



YEARS OF
INFLUENCE



DATESTAMP IS KEY

Mercedes-Benz X-Class (/ x

www.ancap.com.au/safety-ratings/mercedes-benz-ab4094ed-...

RESOURCE PORTAL

ABOUT ANCAP MEDIA & GALLERY **ANCAP SAFETY** PROTOCOLS & POLICIES SAFETY RECALLS

SEARCH FOR SAFETY RATINGS SAFETY RATINGS EXPLAINED SAFETY TESTING EXPLAINED UNDERSTANDING SAFETY FEATURES FREQUENTLY ASKED QUESTIONS

Home > ANCAP Safety Ratings > Mercedes-Benz X-Class (Apr 2018 - onwards)

Mercedes-Benz X-Class

Year Range: Apr 2018 - onwards Applies to: All variants Type: Utility

ANCAP SAFETY
TESTED 2017 ★★★★★

90%

Adult Occupant Protection: 54.5 out of 58
Full Width: 7.63 out of 8
Frontal Offset: 6.27 out of 8
Side Impact: 8.00 out of 8
Pole: 7.85 out of 8
Whiplash Protection: 1.70 out of 3
AEB (City): 5.00 out of 5

CHILD OCCUPANT PROTECTION 87%

Child Occupant Protection: 45.0 out of 49

PEDESTRIAN PROTECTION 80%

Pedestrian Protection: 54.0 out of 42

SAFETY ASSIST 72%

Safety Assist: 8.8 out of 12
Speed Assistance System: 1.5 out of 3
Seat Belt Reminders: 3.0 out of 3

The Mercedes-Benz X-Class was introduced in Australia and New Zealand in April 2018. This ANCAP safety rating applies to all variants.

Dual frontal, side chest-protecting and side head-protecting airbags (curtains) and a driver knee airbag are standard. Autonomous emergency braking (AEB), lane departure warning (LDW) and a manual speed limiter are fitted as standard.

A full list of safety features and technologies can be viewed within the Technical Report (see download link).

Published: 26 February 2018

ANCAP SAFETY

< Back to results

Download Technical Report

Mercedes-Benz X-Class

Year Range: Apr 2018 - onwards Applies to: All variants Type: Utility

ANCAP SAFETY
TESTED 2017 ★★★★★

Compare Write notes

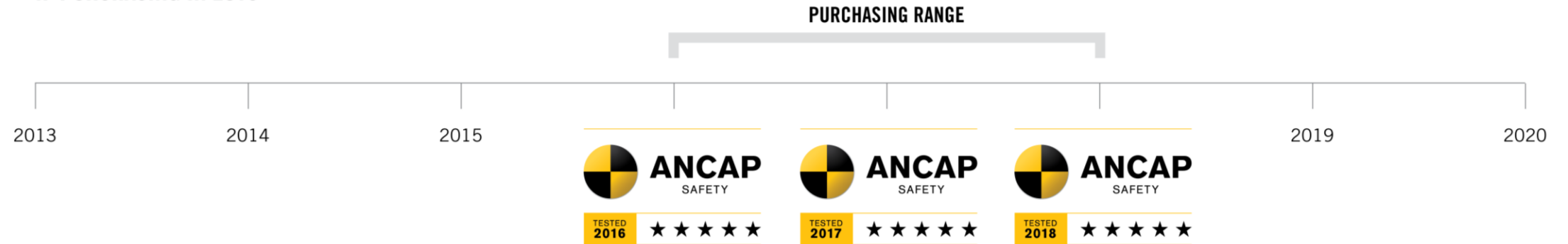


YEARS OF INFLUENCE

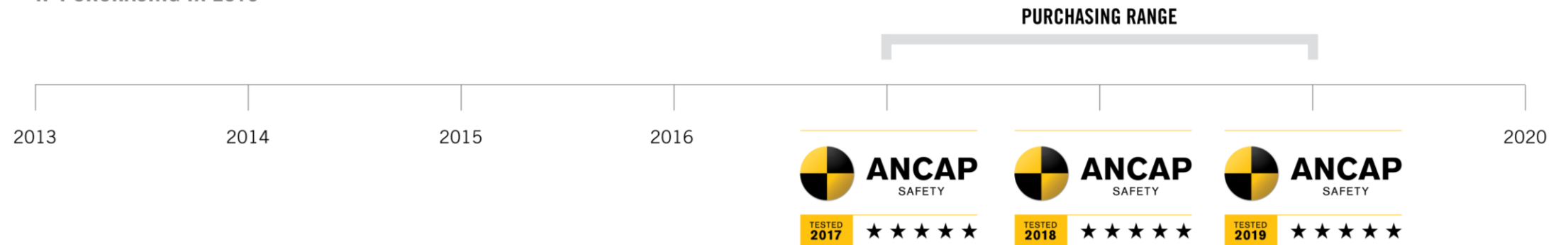


PURCHASING CONSIDERATION

IF PURCHASING IN 2018



IF PURCHASING IN 2019



A DELIBERATE LIMITING OF CHOICE

ANCAP recommends fleets / commercial buyers choose:

- 5 star rated vehicles
- with a 'datestamp' no more than three years old

Benefits:

- Provides a rolling purchasing range, taking advantage of broadening safety criteria.
- Ensures safety currency.
- Gives purchasing policies continued future relevance as new safety technologies are developed and offered in new vehicle models.



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AVAILABILITY OF 5 STAR CARS

	MARKET SEGMENT	Number of models available (5 star with latest datestamp)
PASSENGER CARS & SUVs	CAR – Light	4
	CAR – Small	9
	CAR – Medium	7
	CAR – Large	6
	SUV – Small	14
	SUV – Medium	18
	SUV – Large	5
	PEOPLE MOVER	1
	SPORTS CAR	2
LCVs	UTILITY	4
	VAN	0
TOTAL		70
VEHICLES ON SALE AS NEW		252



25
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AVAILABILITY OF 5 STAR CARS

MARKET SEGMENT		Number of models available (5 star with latest datestamp)
PASSENGER CARS & SUVs	CAR – Light	4
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	CAR – Medium	7
	CAR – Large	6
	SUV – Small	14
	SUV – Medium	18
	SUV – Large	5
	PEOPLE MOVER	1
	SPORTS CAR	2
LCVs	UTILITY	4
	VAN	0
TOTAL		70
VEHICLES ON SALE AS NEW		252



YEARS OF
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WHAT MORE CAN FLEETS DO?



YEARS OF
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'END OF LIFE'

Fleets can play an instrumental role in:

- Reducing the age of the fleet
- Injecting vehicles with high safety specification into the market
- Offering affordable, near-new vehicles to the community

As a corporate social responsibility initiative - major fleets can reserve a portion of their retired fleet vehicles for higher risk, younger drivers.



YEARS OF
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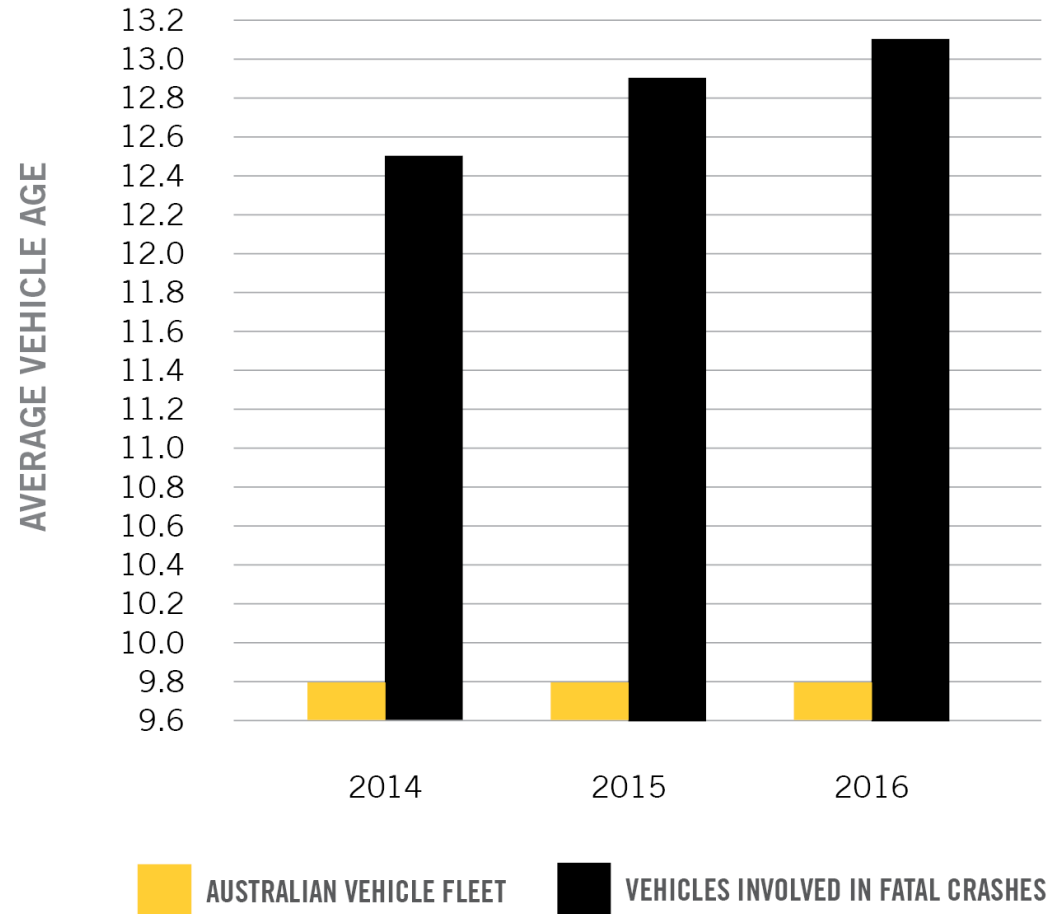


FATALITIES VS. REGISTERED VEHICLES

AUSTRALIAN VEHICLE FLEET (Passenger Cars & SUVs)

The oldest vehicles
(built 2001 or earlier)
account for 20% of the
fleet, but are involved in
33% of fatalities.

The newest vehicles
(built 2012-2017) account
for 31% of the fleet, but
are involved in
13% of fatalities.



25
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**IT'S NOT JUST ABOUT VEHICLE
OWNERS & DRIVERS...**



YEARS OF
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Tele2 3G

09:48

100%

RIDESHARE



OZR 302 / Driving



Next reservation: Today 10.00 → 16.00

Mäster Samuelsgatan

Hamngatan

**STAY
INFORMED**



YEARS OF
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TUESDAY 1 MAY 2018

MINISTERIAL MEDIA RELEASE: Five-year funding for vital car safety program

The Hon Michael McCormack MP
Deputy Prime Minister
Minister for Infrastructure & Transport

The Hon Paul Fletcher MP
Minister for Urban Infrastructure & Cities



The Hon. Michael McCormack MP

The Federal Government has marked National Road Safety Week by announcing the continuation of funding for the critical work of independent vehicle safety consumer organisation ANCAP for another five years. Deputy Prime Minister and Minister for Infrastructure and Transport Michael McCormack says:

"The work of the Australasian New Car Assessment Program (ANCAP) is vital to improving the safety of vehicles on Australian roads and it is crucial we provide assistance at a Federal level to help it continue," Mr McCormack said.

The Government's \$6.64 million commitment to fund ANCAP for another five years will assist ANCAP to continue the role it plays in testing and assessing new cars, providing information for consumers about vehicle safety and general advocacy about safety on Australia's roads.

"We are investing in making roads safer around Australia – especially in the regions – which helps drivers but this is just one piece of the puzzle," Mr McCormack said.

"That's why the Government is working as best it can with State and Territory Governments, road safety advocates and organisations, such as ANCAP, to head towards zero road fatalities in Australia."

Minister for Urban Infrastructure and Cities Paul Fletcher said vehicle safety standards are an important part of moving towards fewer road deaths in Australia.

"Whether it's vehicle safety standards, upgraded and new roads or general awareness about road safety, we want to ensure those who travel on the roads can get to their destination safely."



MONDAY 26 FEBRUARY 2018

Mercedes X-Class the first ute to offer autonomous emergency braking.

Competition in the light commercial vehicle (LCV) segment has been heightened with the Mercedes-Benz X-Class the first utility to enter the Australasian market with autonomous emergency braking (AEB). Three other new models also enter with standard-fit AEB including the Volkswagen Polo, Jaguar E-PACE and BMW X2.

MERCEDES-BENZ X-CLASS

APRIL 2018 - ONWARDS
ALL VARIANTS



TESTED 2017 ★★★★★



VOLKSWAGEN POLO

FEBRUARY 2018 - ONWARDS
ALL VARIANTS

TESTED 2017 ★★★★★



JAGUAR E-PACE

MARCH 2018 - ONWARDS
ALL VARIANTS

TESTED 2017 ★★★★★



BMW X2

FEBRUARY 2018 - ONWARDS
ALL VARIANTS

TESTED 2015 ★★★★★

Autonomous emergency braking is fitted as standard on all X-Class variants, helping it achieve a 5 star ANCAP safety rating.

"This is a game-changer for the ute market and puts pressure on competing brands," said ANCAP Chief Executive, Mr James Goodwin.

"The light commercial vehicle segment has generally lagged passenger cars and SUVs with regard to safety specification, so the inclusion of AEB as standard across the X-Class range is to be commended," he said.

The AEB system fitted to the X-Class performed well – detecting and either avoiding or mitigating crashes with other vehicles at low and high speeds. Its AEB system is also capable of detecting and preventing crashes with pedestrians.

All variants of the Volkswagen Polo, Jaguar E-PACE and BMW X2 have achieved a 5 star ANCAP safety rating.

"The Volkswagen Polo scored a high 96% for Adult Occupant Protection with maximum points scored for the driver in the full width frontal, side impact and oblique pole tests."

"The Jaguar E-PACE scored well across all assessment areas and features a 'pop-up' bonnet and external airbag to improve head protection for struck pedestrians. Lower leg protection for the driver in the frontal offset crash scenario could however be improved," Mr Goodwin said.

"BMW's new small SUV, the X2 also provides a safe choice for adult and child occupants and pedestrians with the standard inclusion of an active bonnet, automatic emergency call function and fatigue detection system."



FRIDAY 27 APRIL 2018

Euro NCAP assessment inspector in Australia as part of world region alignment.



Euro NCAP inspector, Simon Edmonds, with ANCAP engineers

Australasia's independent vehicle safety advocate, ANCAP, has hosted one of Euro NCAP's vehicle safety assessment inspectors as part of its reciprocal test data sharing and protocol alignment.

Mr Simon Edmonds, a senior vehicle safety inspector attended ANCAP crash test laboratories in Sydney and Melbourne throughout the week as part of a knowledge-sharing and development program in place as part of ANCAP and Euro NCAP's 2018 harmonisation.

"We not only adopted a common approach to testing, we also integrated policies and assessment processes which are now shared between our two regions," said ANCAP Chief Executive, Mr James Goodwin.

"Having one of Euro NCAP's most experienced inspectors here enables the engineers to share experiences and expertise to further develop assessment processes," Mr Goodwin said.

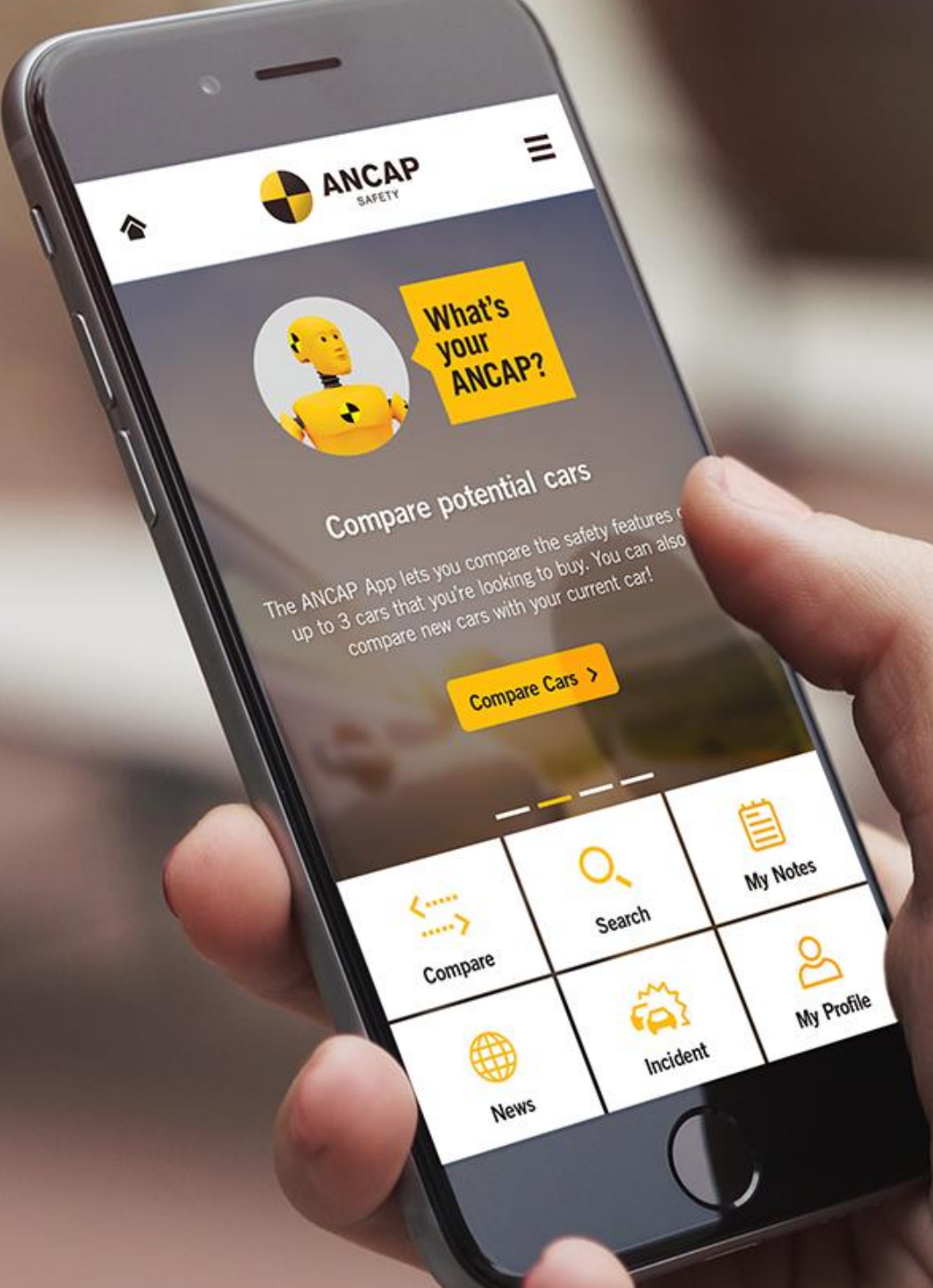
"Michiel van Ratingen, Secretary General of Euro NCAP - "This is an excellent opportunity for us to collaborate on all levels. We want safer cars for everyone, no matter which country or manufacturers build cars to a higher standard for both world markets," Dr van Ratingen said.

ANCAP assessment engineers will attend crash and driver assistance testing in the United Kingdom later this year.



YEARS OF
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What's your ANCAP?

Compare potential cars

The ANCAP App lets you compare the safety features of up to 3 cars that you're looking to buy. You can also compare new cars with your current car!

Compare Cars >

Compare

Search

My Notes

News

Incident

My Profile



ANCAP
SAFETY



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