

Euro NCAP

Jan 2021



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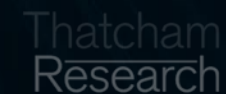
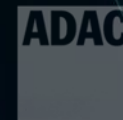
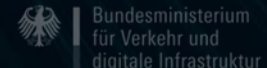
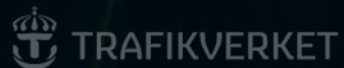


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SAFER CARS. FEWER CRASHES



FOR SAFER CARS

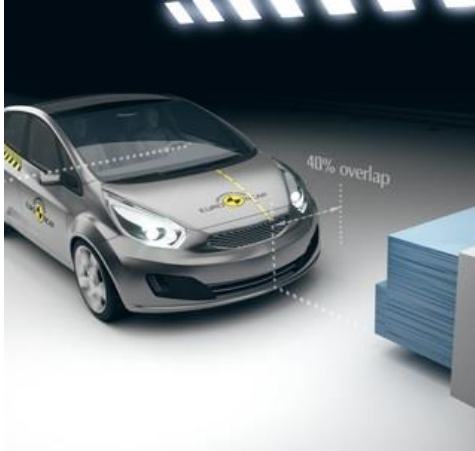
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Full-scale Crash Tests – Passive Safety



Frontal Offset
Deformable
Mobile Barrier
(Since 1997)

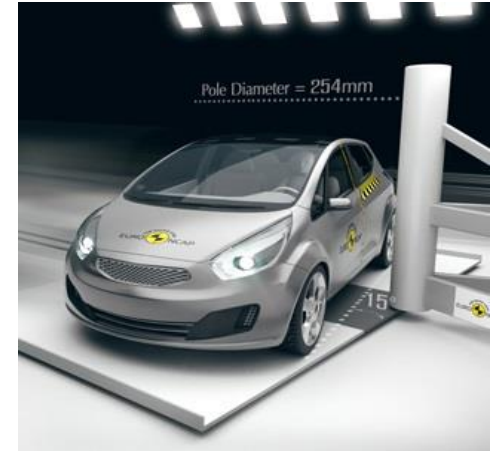


Frontal Full-width
Rigid Barrier
(Since 2015)

Side Mobile
Deformable Barrier
(Since 1997, updated 2015)



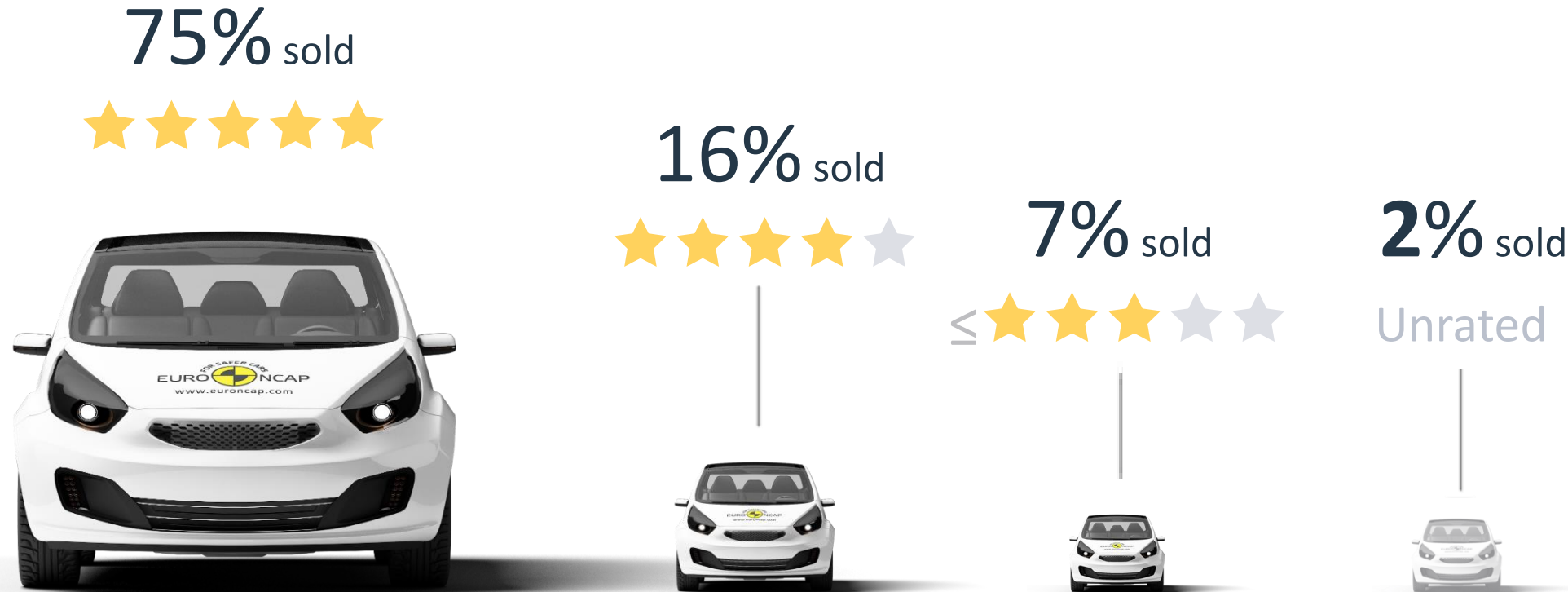
Side Pole
(Since 2001, updated 2015)



Driver Assistance Systems – Active Safety



Market Coverage

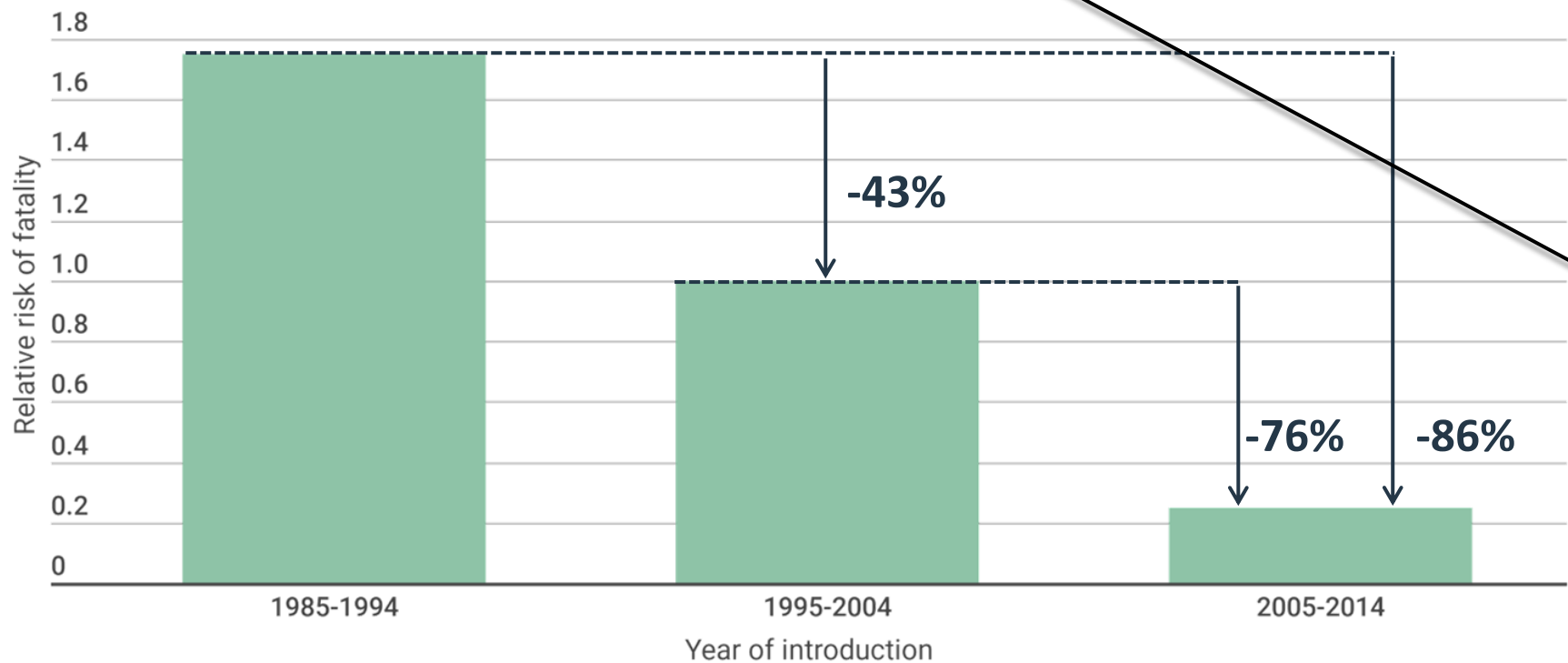


EU-28 passenger car and SUV sales, Q1-Q3 2020. Total 8.5 million units.

Crashworthiness

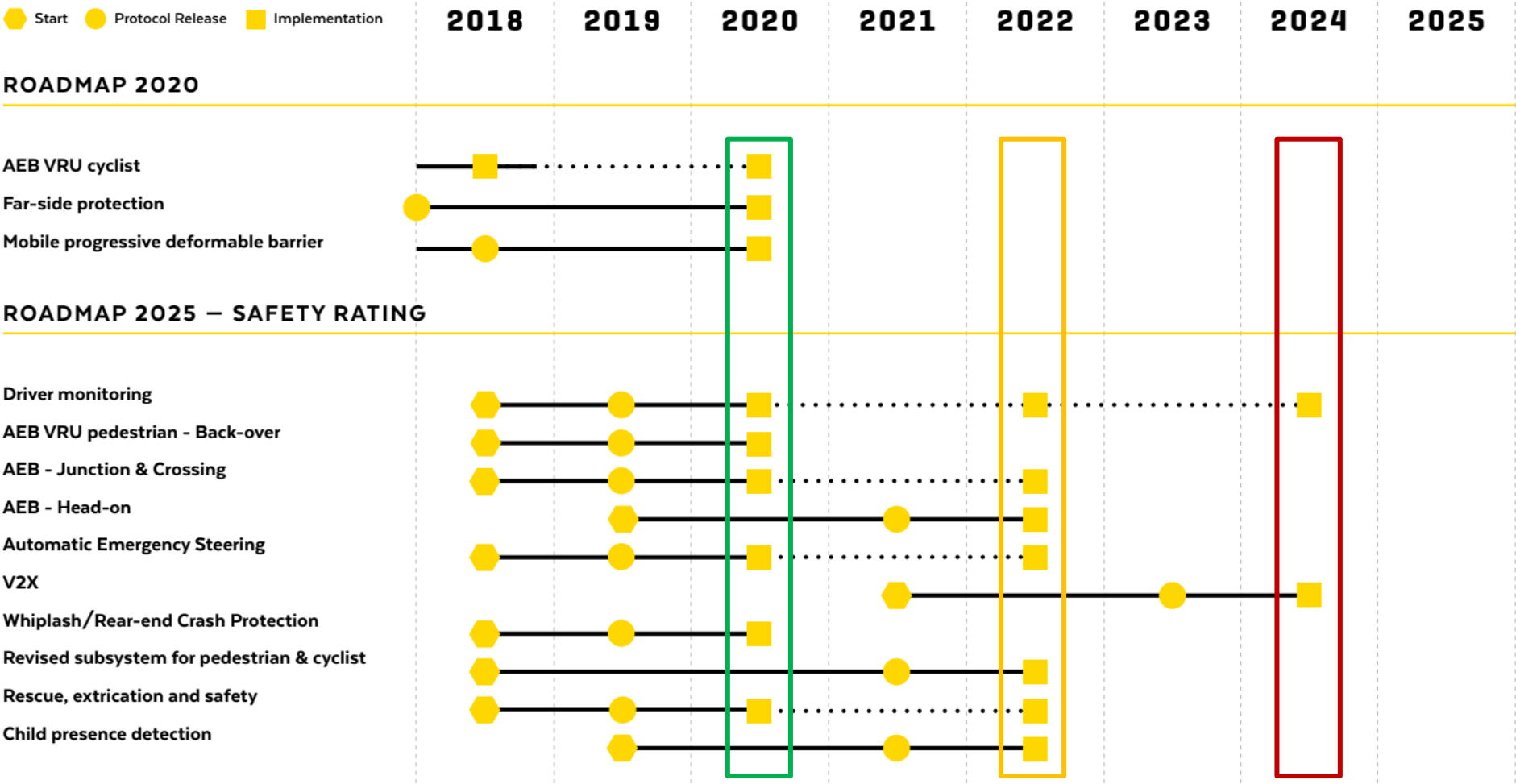
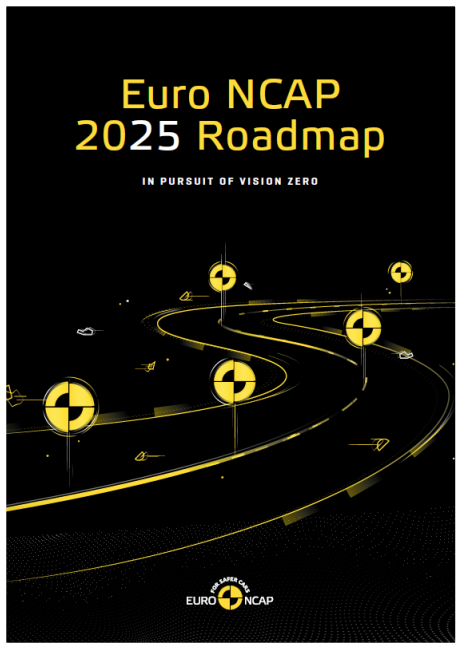
Fatality Risk for Car Occupants

Cars with year of introduction 1995-2004 colliding with other cars



© Folksam

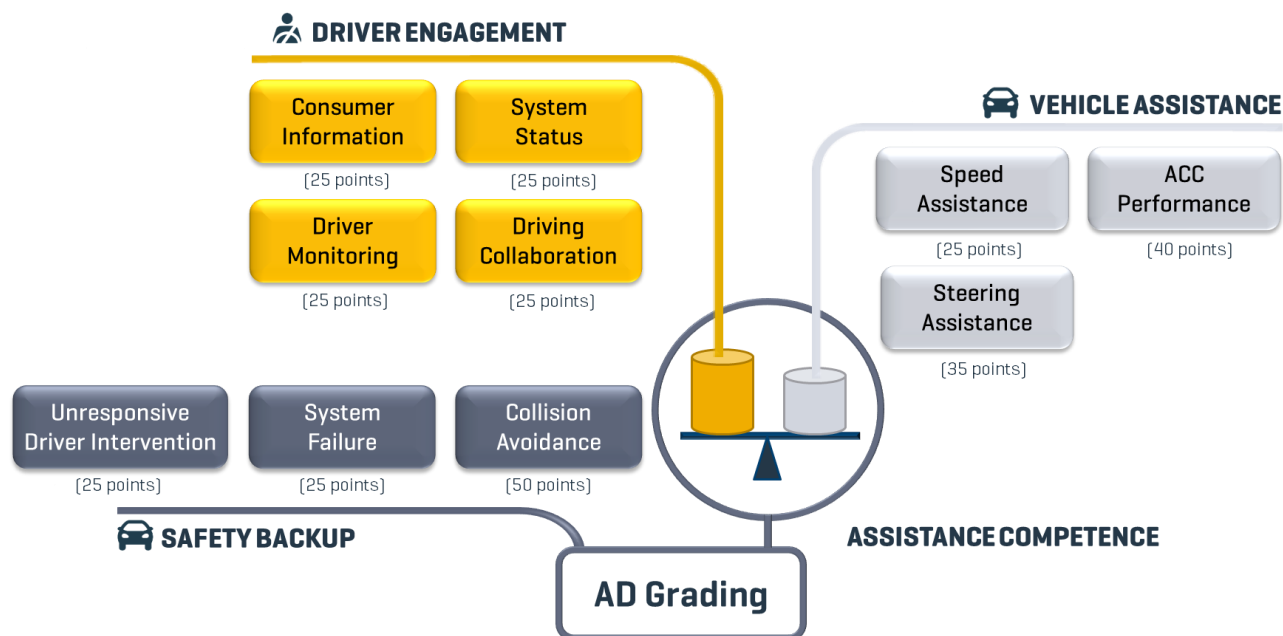
Strategic Planning









Protocols delivered Protocols under development To be initiated

Testing Automation

- Assisted, Automated and Autonomous
- New Assisted ratings emphasising balance - Nov 2020



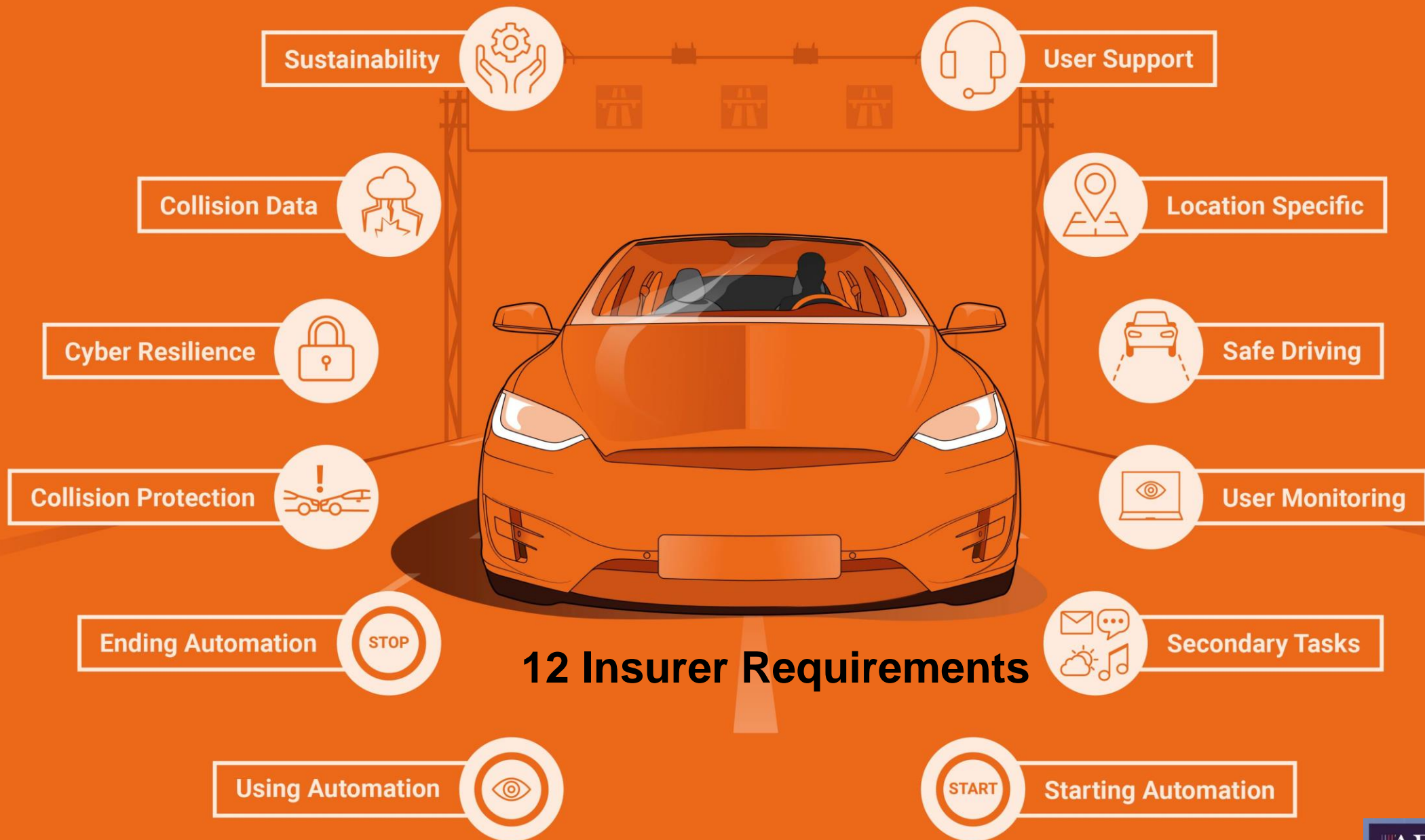
		
2020 ★★★★ VERY GOOD	2020 ★★★★ VERY GOOD	2020 ★★★★ GOOD
Audi Q8 Adaptive Cruise Assist	BMW 3 Series Driving Assistant Professional	Ford Kuga Co-Pilot 360
		



Automated Driving

- ALKS (L3) is the first iteration of automation – UK Summer 2021
- ALKS has safety limitations – no lane change, no safe-harbour, UK road signage?
- UK Insurers regard ALKS as Assisted – not as safe as today's best cars – no driver backup





12 Insurer Requirements

Systems will not self calibrate
p76



No provisions made for training
p48-49

Range of crashes recorded,
data trigger and access p73



Geofenced functionality,
system restricted p50

Minimum requirements
ISO/SAE 21434 p72



Object and variable speed
recognition p54-58

Vehicles yes, VRU
detection limited p70-71



Limited user monitoring
p58

Unplanned handovers and no
lane change p64-68



No secondary tasks permitted
p60

Handover risks due to limited
driver monitoring p62



System offered availability post
validation of parameters p61

Assessment validation

Commercial Vehicle Safety

- Highlight lack of ADAS on commercial vans, show difference between brands in performance and fitment
- 18 vans tested and rated in Oct -2020 – now annual

2019 Nissan Juke



●	AEB City	●
●	AEB Interurban	●
●	AEB Pedestrian	●
●	AEB Cyclist	●
●	Blind Spot Detection	●
●	Lane Departure Warning	●
●	Lane Keep Assist	●
●	Speed Assistance	●
●	Seat belt reminder (all seats)	●
●	Driver Airbag	●
●	Passenger Airbag	●
●	Curtain Airbag	●

2019 NV400

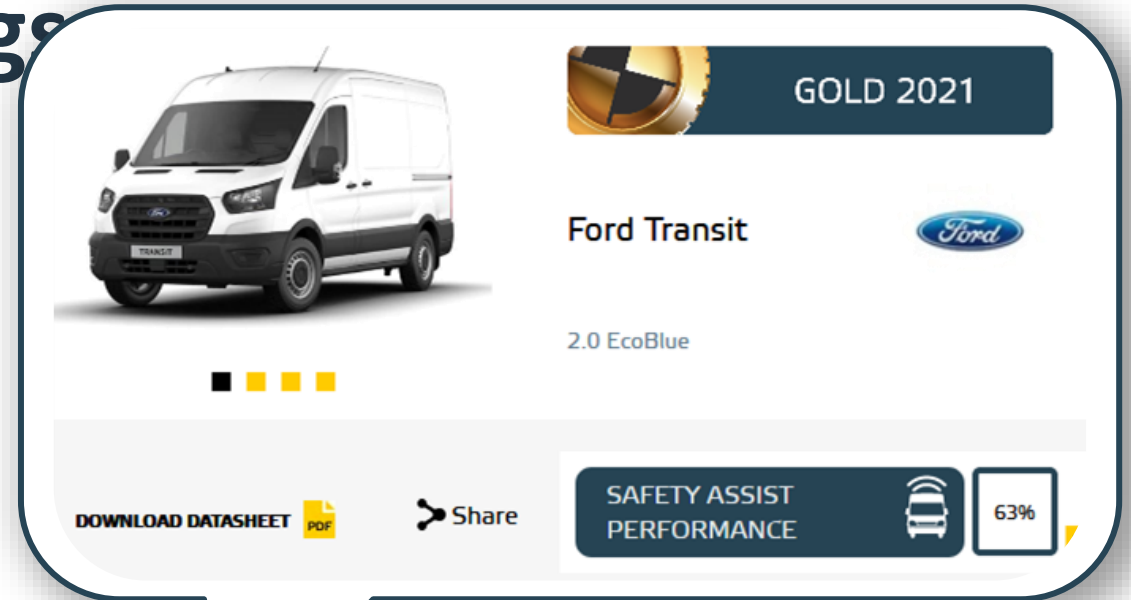


Commercial Vehicle Ratings

■ 5 “Performance” Levels

- Platinum
- Gold
- Silver
- Bronze
- Not Recommended

■ Medium and Heavy Trucks to follow using Safety Labels



Latest Ratings

New



CLEAN AIR INDEX

10.0 /10



ENERGY EFFICIENCY INDEX

10.0 /10



GREENHOUSE GAS INDEX

10.0 /10

New



2020

Renault ZOE

R110 ZE50 ELECTRIC 4×2 AUTOMATIC



New



2020

Toyota C-HR

1.8 HYBRID 4×2 AUTOMATIC



[ALL RESULTS](#)

