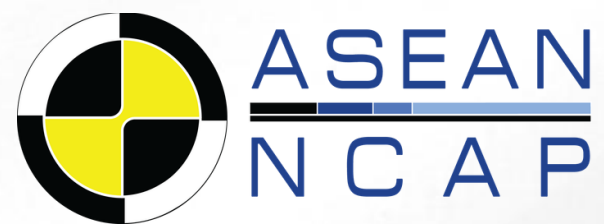


ANCHOR VI

ASEAN NCAP
Collaborative Holistic
Research



ANCHOR General Concept



INDUSTRIAL PARTNER

Executes engineered solutions

Ensure safe driving

01

Confirm crash avoidance

02

Maximise crash protection

03

Provide motorcyclist safety

04

ASEAN NCAP

Assessment



Data-informed decisions

Actionable engineering insights



Empirical feedback from regional situations

ACADEMIA

Generates empirical, localized insights



01

Accident data

02

Traffic conflict

03

Road conditions

04

Consumer acceptance

Objective & Implementations



01



Objective

To establish scientific evidence of ASEAN regional characteristics, mainly

- Malaysia, Indonesia, Thailand, Vietnam

02



Goal

Development of the ASEAN NCAP protocol 2031-2035



Visit www.aseanncap.org/ourtest for ASEAN NCAP current protocol example.

03



Working Group

ANCHOR VI Working Group, which includes automotive manufacturers (OEMs), will actively review and provide technical feedback on the research at every progress meeting.

Overview of ASEAN NCAP 2031–2035 Protocol

| Safe Driving | | Crash Avoidance | | Crash Protection | | Motorcyclist Safety | |
|---|----------------|--|-------------------|--|---------------|--|---------------------|
| Seatbelt reminder (SBR) Seatbelt usage Misuse | 6 6 | Frontal collision CCRs CCRm CCRb CCRo | 8 10 8 6 | Frontal impact MPDB Full width Sled (Q1.5 & Q3) - Prerequisite | 30 15 | Visibility BST AHB / ADB RCTA/B ARV | 25 15 10 5 |
| Driver state monitoring (DSM) | 15 | CTRs CTRm | 8 8 | VRU protection | 10 | Avoidance AEB MC | 30 |
| Child presence detection (CPD) CRS assessment Installation Vehicle Based | 15 12 11 | Low speed collision CCftap CCcrossing RCTA/B | 10 10 5 | Side impact MDB Pole Far side protection | 25 10 5 | Protection Motorcyclist head protection | 10 |
| Lane support (LS) Adaptive cruise control (ACC) | 15 20 | Lane departure collision ELK oncoming ELK side ELK out-of-road | 9 9 9 | Post crash Energy management | 5 | Advanced MST | 5 |
| Max 100 | | Max 100 | | Max 100 | | Max 100 | |



DO's



Accident Data / Road Infrastructure Data

Real-world road crash accident data involving cars
Actual road characteristics, lighting conditions, weather, etc.
Road Obstructions: Animal Dimensions (e.g., cow, wild boar)



Design

Development of vehicle testing tools (ASEAN dummy, ASEAN vehicle target, etc.)



Driving/Riding Behaviour Observation

Speed, manoeuvring pattern (lane changing, overtaking, lateral & longitudinal distance between vehicles, reversing, cornering, entering junction, merging, etc.), traffic volume, vehicle positioning in a lane, ...



Survey

ASEAN Consumer Acceptance and Behaviour towards certain vehicle safety technologies.

ANCHOR VI Research



DON'Ts



Accident Data

Projected or simulated road crash accident data, no car involved, off-road



Design

Car design, component design, sensor design



Road Data

Road design, traffic management, road sensor development, etc.



Other Studies (Not Directly Related to ASEAN NCAP Protocol Development)

Other studies directly related to ASEAN NCAP protocol development will also be considered.

THANK YOU



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