



**LATIN AMERICAN & CARIBBEAN
NEW CAR ASSESSMENT PROGRAMME
(Latin NCAP)**

TESTING PROTOCOLS

Version 2.0.0
December 2024

ACKNOWLEDGEMENT

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Information required ahead of testing

Manufacturers will be requested to complete the manufacturers form according to the document indicated below. It is a pre-requisite to complete the full file for nomination to be accepted:

- Manufacturers Request LatinNCAP 2025 V2.0

In the case that the car to be tested is or has an Electric or Hybrid variant, extra considerations must be put in place at the time of testing according to the following document:

- *Euro NCAP - Testing of High Voltage Electric Vehicles V1.1 Jan 2022.*

Adult Occupant Protection

- Frontal ODB testing protocol:
 - *Euro NCAP - ODB Frontal Impact Testing Protocol v7.1.3 Sep 2018 using Q3 and Q10 dummies behind the driver and passenger respectively.*
 - *Q6 will be replaced by Q3 with its respective CRS following Q3 setup criteria from testing protocol Euro NCAP-ODB Frontal Impact Testing Protocol v 7.0.1 April 2015*
- Knee mapping testing protocol (when required):
 - *Euro NCAP - Sled Test Procedure For Assessing Knee Impact Areas v2.7 Jun 2011.*
- Side AE-MDB testing protocol
 - *Euro NCAP – AE-MDB Side Impact Testing Protocol v8.3 Dec 2023.*
 - For vehicles with automatic door locking offered as standard or optional equipment refer **Latin NCAP Adult Occupant Protection protocol**, Chapter 8.3.1 “Automatic door locking (ADL)”
 - Latin NCAP will decide the impact side (driver/passenger) randomly before the test.
 - Q10 dummy on struck side, Q3 on unstruck side.
- Side Pole impact testing protocol:
 - *Euro NCAP – Oblique Side pole Impact Testing Protocol v7.2 Dec 2023.*
 - Latin NCAP will decide the impact side (driver/passenger) randomly before the test.
- Rear seat occupant protection:
 - For sled test, as described in the latest version of Latin NCAP Adult Occupant Protection protocol
 - For full frontal test: *FULL WIDTH FRONTAL IMPACT TESTING PROTOCOL, Version 1.2.1, November 2021.*
- HPD (Head Protection Device) assessment procedures (when required):
 - *Euro NCAP - Oblique Side pole Impact Testing Protocol v7.2 Dec 2023*
- Whiplash testing protocol:
 - *Euro NCAP - Whiplash Dynamic Assessment - Testing Protocol v3.3.1 Feb 2019*
 - Latin NCAP will only perform the medium severity pulse.
- Roof drop test:
 - *SAE J996 testing protocol – drop height 500mm (not included due to copyright)*

Child Occupant Protection

- COP dynamic testing protocol using Q3 and Q10 dummies:

- *Frontal Impact: Euro NCAP - ODB Frontal Impact Testing Protocol v7.1.3 Sep 2018.*
 - *Q6 will be replaced by Q3 with its respective CRS following Q3 setup criteria from testing protocol Euro NCAP - ODB Frontal Impact Testing Protocol v 7.0.1 April 2015*
 - *Q3 will be placed behind driver, Q10 behind passenger.*
- *Side impact AE-MDB testing protocol: Euro NCAP – AE-MDB Side Impact Testing Protocol v8.3 Dec 2023.*
 - *Child occupants must be positioned keeping the symmetry, Q3 on the unstruck side and Q10 on the struck side.*
- *When Passenger airbag automatic detection system assessment is needed, the procedures are detailed in Euro NCAP - Assessment Automatic Passenger Airbag Disabling Systems v2.0 Feb 2023.*
- *Child Presence Detection testing protocol:*
 - *Euro NCAP CPD Test and Assessment Protocol v1.2.*

Pedestrian Protection

- *Pedestrian Protection subsystems (passive) testing protocol:*
 - *Euro NCAP - Pedestrian Testing Protocol v8.5 Oct 2018.*
- *AEB VRU: Euro NCAP - AEB VRU test protocol v2.0.4 Feb 2019.*

Safety Assist Systems

- *SBR testing protocol:*
 - *Euro NCAP – SBR assessment - SA assessment protocol v5.6 Jul 2012 (Section 3).*
 - *Note the additional requirement for the visual signal as described in Latin NCAP SA protocol, section 3.1.*
 - *Short or long term deactivation by the user (Section 3.10 of SA protocol v5.6) is not allowed. OEMs must communicate in advance with Latin NCAP secretariat should this function exist in the car prior to the assessment.*
- *Speed Assistance testing protocol:*
 - *Euro NCAP - Test Protocol - SAS v1.1 Jun 2015.*
 - *Driving outside of testing grounds subject to Latin NCAP secretariat consideration due to legal restrictions.*
 - *Conditional speed limits (section 5.4.1.4) will be monitored by Latin NCAP but are not required for the current protocol.*
- *Lane Support Systems testing protocol:*
 - *Euro NCAP – LSS Testing Protocol v3.0.2 Jul 2019.*
- *AEB Car to Car testing protocol:*
 - *Euro NCAP – AEB C2C Testing Protocol v2.0.1 Nov 2017.*
- *ESC testing protocol:*
 - *Euro NCAP - ESC Dynamic Test Protocol v1.2 Jun 2011.*
- *Moose test Scenario*
 - *Latin NCAP Moose Test Testing Protocol 2025 v2.0.0.*
- *BSD / BSM testing protocol:*
 - *Latin NCAP ASSESSMENT PROTOCOL – SAFETY ASSIST, Version 2.0.0, July 2024*