



**ASEAN**  
**NCAP**  
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*Making cars safer in ASEAN region*

# ASEAN NCAP – Test Model Form for OEMs

14 January 2014  
TGGS Bangkok, Thailand



FIA Foundation  
for the Automobile and Society



GLOBAL NCAP



# Test Model Form

*<To be filled by OEMs or  
their Related Parties i.e.  
Traders, Domestic JV, etc.>*

By  
ZULHAIDI JAWI  
ASEAN NCAP Communications & SAWG

- Form Objective
- ASEAN Automotive Trivia
- Process
- Form Structure
- Issues:
  - Misunderstanding
  - Error (Latest info, sensitive issue, etc.)
- Q & A

- **Objective:** To report the most accurate information to the users' that is not misleading and containing latest information.
- **Main purposes:** Publication (soft & hard copy) as well as knowledge dissemination.
- **Important note:** It is an **OEM friendly policy** practiced by ASEAN NCAP but it is not an obligation for OEMs which their model is selected for ASEAN NCAP assessment.



Forwards

Midfields

Defends

Table 1: ASEAN Road Safety Data [Source: 1, 2, 4]

Country	Income Level (GNI in USD p.c.) 2010	Pop. (mil.) 2010	Reported Road Traffic Death 2010	Est. Death per 100K Pop. 2010	% Death 4-wheeler 2010 (% reg. veh.)**	% Death 2/3-wheeler 2010 (% reg. veh.)**	Veh. Sales 2011 ('000)	Veh. Sales 2012 ('000) (Var.)	P.V.*** Sales 2012 ('000)
Singapore	HIC (39,410)	5.1	193	5.1	8.8 (61)	46.1 (17)	39.5	37.2 (-6%)	32.7
Brunei	HIC (31,800)	0.4	46	6.8	76.0* (83)	11.0* (4)	14.5	18.6 (28%)	17.8
Malaysia	MIC (7,700)	28.4	6,872	25.0	26.0 (45)	58.7 (47)	600.1	627.7 (5%)	552.2
Thailand	MIC (4,150)	69.1	13,365	38.1	13.3 (14)	73.5 (63)	794.0	1,436.3 (81%)	694.2
Indonesia	MIC (2,500)	239.9	31,234	17.7	6.1 (15)	35.7 (73)	894.1	1,116.2 (25%)	780.7
Philippines	MIC (2,060)	93.3	6,739	9.1	Not Avail. (17)	Not Avail. (48)	141.6	156.6 (11%)	48.3
Vietnam	MIC (1,160)	87.8	11,859	24.7	Not Avail. (5)	Not Avail. (95)	109.6	80.5 (-27%)	43.7
Laos	MIC (1,010)	6.2	767	20.4	14.6 (2)	74.4 (79)	Not Avail.	Not Avail.	Not Avail.
Cambodia	LIC (750)	14.1	1,816	17.2	11.8 (9)	66.6 (84)	Not Avail.	Not Avail.	Not Avail.
Myanmar	LIC (Not Avail.)	47.9	2,464	15.0	26.2 (26)	22.9 (65)	Not Avail.	Not Avail.	Not Avail.

\*2007 data

\*\*All registered vehicles % - 2007 data

\*\*\* Passenger Vehicles

# General Observations


- 5 Auto Industry Countries; 5 Major Markets
- Most OEMs are Japanese-origin; one ASEAN-based origin (Proton)
- Passenger Vehicles cover all ranges; also Commercial Type (Light & Heavy)
- **VARIANTS:** is an issue (both positive and negative point of views)
- **Better for ASEAN:** less number of variants but with better safety/specs
- **Best for ASEAN:** one ASEAN variant with world safety standard/specs

- OEM will be informed on model selection & test date.
- Model Form will be sent to PIC. (?? << **Domestic or Origin PIC**)
- Return to ASEAN NCAP >> **Must be Completed!**
- Publication sample sent to OEM; for verification & error checking; sensitive issues.
- Return to ASEAN NCAP & Confirmation.
- **Win-win rule:** Benefit of the doubt applies for OEM!



- Any update for that “**still-in-the-market**” ASEAN NCAP tested model > please forward to ASEAN NCAP Communications; Willing OEM, yet again “it’s optional”.
- **E.g.:** Change name; country-based issues; upgrading/facelift “minor or major” (esp. active safety fitment).

# Form Structure

		<b>NEW CAR ASSESSMENT PROGRAM FOR SOUTHEAST ASIAN COUNTRIES (ASEAN NCAP) TEST MODEL FORM ASEAN NCAP TEST – PHASE II</b>		
<ul style="list-style-type: none"> <li>➤ THIS SURVEY IS TO BE FILLED BY THE <b>RESPONSIBLE PARTY</b> FOR THE SELECTED MODEL UNDERGOING ASEAN NCAP CRASH TEST</li> <li>➤ THE INFORMATION PROVIDED HERE WILL BE CONSIDERED <b>OPEN FOR PUBLIC</b> AS IT WILL BE USED BY ASEAN NCAP PRIMARILY IN ITS PUBLICATIONS IN ORDER TO DELIVER THE MOST ACCURATE INFORMATION</li> <li>➤ THIS IS A DIGITAL VERSION FORM (EXPANDABLE) AND CONTAINS COLOR CODED ITEMS</li> </ul>				
<b>A. SELECTED CAR (INFORMATION PROVIDED BY ASEAN NCAP)</b>				
<b>MAKE</b>	HYUNDAI	<b>MODEL</b>	ELANTRA (RHD)	
<b>VARIANT</b>	GAMMA 1.6L STANDARD AUTO	<b>MARKET ORIGIN</b>	MALAYSIA	
<b>YEAR BUILT</b>	2012	<b>TEST LAB (TEST DATE)</b>	MIROS PC3 (JULY 2013)	
<b>B. RESPONSIBLE PARTY &amp; PERSON-IN-CHARGE (PIC) (PLEASE EXPAND TO INCLUDE MORE PIC - REFER FORM GUIDELINES)</b>				
<b>ENTITY NAME</b>	HYUNDAI MOTOR	>> <i>NOMINATE (IF ANY)</i>	HYUNDAI SIME DARBY MALAYSIA	
<b>NAME OF PIC</b>	MR. ALIMAN ALIMIN	<b>DESIGNATION</b>	MANAGER	
<b>DEPARTMENT</b>	MARKETING & GOVERNMENT AFFAIR			
<b>ADDRESS</b>	HYUNDAI SIME DARBY MALAYSIA SHAH ALAM, SELANGOR			
<b>CONTACTS</b>	<b>OFFICE</b>	+603-1111-2222	<b>FAX</b>	+603-1111-2222
	<b>MOBILE</b>	+6010-1111-2222	<b>E-MAIL</b>	aliminxx@sdm.com.my
<b>C. CONFIRMATION OF GENERAL INFORMATION (REFER FORM GUIDELINES)</b>				
<b>MAKE</b>	HYUNDAI	>> <i>NOMINATE (IF ANY)</i>	HYUNDAI-INOKOM	
<b>MODEL</b>	ELANTRA	>> <i>NOMINATE (IF ANY)</i>	--	
<b>VARIANT (V1)</b>	GAMMA 1.6L STANDARD AUTO	>> <i>NOMINATE (IF ANY)</i>	--	
<b>YEAR BUILT</b>	2012			

# Form Structure

<b>D. VARIANT INFORMATION</b> (PLEASE EXPAND TO INCLUDE ALL VARIANTS IN ASEAN REGION - REFER FORM GUIDELINES)																			
<i>NOTE: PLEASE PROVIDE THE MOST COMPREHENSIVE BROCHURE FOR EACH VARIANT AT ALL ASEAN MARKET COUNTRIES</i>																			
VARIANT (ORIGIN)		V1 IS THE SELECTED VARIANT						ASEAN MARKET											
		MODEL YEAR	NO. OF AIRBAGS	ABS	ESC	SBR	TRANS.	BN	ID	KH	LA	MM	MY	PH	SG	TH	VN		
V1	GAMMA 1.6L STANDARD AUTO (MY)	2012	2	YES	YES	2 (1D-1FP)	AUTO	X											
		NO. OF DOORS	BODY TYPE	ENGINE CAP. (L)	ENGINE TYPE	FUEL TYPE	KERB MASS (KG)							X			X		
		4	SEDAN	1.6	NA	PETROL	1200												
VARIANT (ORIGIN)		V2						ASEAN MARKET											
		MODEL YEAR	NO. OF AIRBAGS	ABS	ESC	SBR	TRANS.	BN	ID	KH	LA	MM	MY	PH	SG	TH	VN		
V2	GAMMA 1.6L HATCH MANUAL (MY)	2012	1	YES	NO	1 (1D)	MANUAL	X											
		NO. OF DOORS	BODY TYPE	ENGINE CAP. (L)	ENGINE TYPE	FUEL TYPE	KERB MASS (KG)							X					
		4	HATCHBACK	1.6	NA	PETROL	1200												
VARIANT (ORIGIN)		V3						ASEAN MARKET											
		MODEL YEAR	NO. OF AIRBAGS	ABS	ESC	SBR	TRANS.	BN	ID	KH	LA	MM	MY	PH	SG	TH	VN		
V3	NU 1.8L PREMIUM (MY)	2012	4	YES	YES	5 (1D-1FP-3RP)	AUTO	X											
		NO. OF DOORS	BODY TYPE	ENGINE CAP. (L)	ENGINE TYPE	FUEL TYPE	KERB MASS (KG)							X			X		
		4	SEDAN	1.8	NA	PETROL	1250												

# Form Structure

E. SALES – RETRO DATA & PROJECTION (REFER FORM GUIDELINES)												
VARIANT	ASEAN MARKET COUNTRY	(YEAR LAUNCH – MONTH IN BLUE) <> ACTUAL/PROJECTION ANNUAL VOLUME <> (EOP – MONTH IN RED) (ACTUAL VOLUME IN GREEN <> PROJECTION VOLUME IN PURPLE)										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
V1	BN				300 (OCT)	1,000	2,000	3,000	5,000	2,000	1,000 (FEB)	
	MY				7,000 (JUN)	11,000	12,000	13,000	15,000	12,000	10,000 (MAR)	
	SG					300 (OCT)	1,000	2,000	3,000	5,000	3,500	2,000 (JAN)
V2	BN											
	MY											
V3	ID											
	MY											
	SG											
F. MODEL NAME (PLEASE STATE OTHER MODEL NAME/TWINNED MODEL)												
MODEL NAME	ASEAN MARKET					OTHER MARKET						

# Form Structure

A. DETAILED SAFETY FEATURES (PLEASE EXPAND TO INCLUDE ALL VARIANTS IN ASEAN REGION - REFER FORM GUIDELINES)													
NOTE: THIS IS THE EXTENDED INFORMATION SECTION FROM SECTION D													
VARIANT (ORIGIN)		V1 IS THE SELECTED VARIANT											
		ABS Variants			Safety Belt System (SB) & Airbags (AB)					Child Restraint Equipment			
V1	GAMMA 1.6L STANDARD AUTO (MY)	4Ch-4s	3Ch-3s	2Ch-1/2s	Row/Seating	M-L	Mid	M-R	M-L	Mid	M-R		
						Row 1	SB	3-LP-LL	00	3-DP-LL	BO-ABOM	00	00
							AB	PAB	CEAB	DAB-KAB			
						Row 2	SB	3-OP-OL	2-OP-OL	3-OP-OL	ISF-TT	BO	ISF-TT
							AB	00	00	00			
						Row 3	SB	00	00	00	00	00	00
							AB	00	00	00			
VARIANT (ORIGIN)		V2											
		ABS Variants			Safety Belt System (SB) & Airbags (AB)					Child Restraint Equipment			
V2		4Ch-4s	3Ch-3s	2Ch-1/2s	Row/Seating	M-L	Mid	M-R	M-L	Mid	M-R		
					Row 1	SB							
							AB						
						Row 2	SB						
							AB						
						Row 3	SB						
							AB						
VARIANT (ORIGIN)		V3											
		ABS Variants			Safety Belt System (SB) & Airbags (AB)					Child Restraint Equipment			
V3		4Ch-4s	3Ch-3s	2Ch-1/2s	Row/Seating	M-L	Mid	M-R	M-L	Mid	M-R		
					Row 1	SB							
							AB						
						Row 2	SB						
							AB						
						Row 3	SB						
							AB						

# Form Structure

## Coding

Fill **00** (zero-zero) for seats not available or non-related items.

ABS Variants:

<b>4Ch-4s:</b> 4-channel/4-sensor system	<b>3Ch-3s:</b> 3-channel/3-sensor system (Variant 3)	<b>2Ch-1/2s:</b> 2-channel/1 or 2-sensor system
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Safety Belt System:

<b>Item 1</b>	<b>Belt Type</b>	Mention belt type by number e.g. <b>2</b> for 2-point belt or <b>3</b> for 3-point belt
<b>Item 2</b>	<b>Pre-tensioner</b>	<b>0P</b> (zero-P) for none; <b>RP</b> for retractor pre-tensioner; <b>LP</b> for lap pre-tensioner; <b>DP</b> for double pre-tensioner (retractor+ lap)
<b>Item 3</b>	<b>Load Limiter</b>	<b>0L</b> (zero-L) for none; <b>LL</b> if available
<b>Answer Sample</b>		<b>3-RP-0L</b>

Child Restraint Equipment:

<b>Item 1</b>	<b>Belt Fit</b>	<b>BO</b> for Belt Only; <b>BX</b> for Belt with other fitment type
<b>Item 2</b>	<b>ISOFIX</b>	<b>ISF</b> (mention if available)
<b>Item 3</b>	<b>Top Tether</b>	<b>TT</b> (mention if available)
<b>Item 4</b>	<b>Air-bag OFF</b>	<b>ABOM</b> for Air-bag OFF function manually operated; <b>ABOA</b> for Air-bag OFF function auto-detect (mention if necessary)
<b>Answer Sample</b>		Example 1: <b>ISF-TT</b> Example 2: <b>BO-ABOA</b>

**Airbags:**

<b>Item 1</b>	<b>Driver</b>	<b>DAB</b> for Driver Airbag
<b>Item 2</b>	<b>Front Passenger</b>	<b>PAB</b> for Front Passenger Airbag
<b>Item 3</b>	<b>Knee</b>	<b>KAB</b> for Knee Airbag
<b>Item 4</b>	<b>Side Torso</b>	<b>STAB</b> for Side Torso (Thorax/Abdomen) Airbag
<b>Item 5</b>	<b>Curtain</b>	<b>CAB</b> for Curtain/Side Tubular Airbag
<b>Item 6</b>	<b>Rear Curtain</b>	<b>RCAB</b> for Rear Curtain Airbag
<b>Item 7</b>	<b>Seat Cushion</b>	<b>SCAB</b> for Seat Cushion Airbag
<b>Item 8</b>	<b>Center Airbag</b>	<b>CEAB</b> for Center Airbag
<b>Item 9</b>	<b>Seatbelt Airbag</b>	<b>SBAB</b> for Seatbelt Airbag
<b>Answer Sample</b>		Example 1: <b>PAB-CAB</b>

- **PIC** >> Have the right person! If need two of two sides expertise (engineering & marketing), then make it.
- This will ensure accuracy!
- Process (checking etc.) happened but not that effective.
  - So many major errors
  - Not carefully done
  - Not completed

- **In case of misunderstanding:** Please share with us, and make it a quick process.
- Seriously affecting our publications planning.
- **Part E: Retro Data & Projection**
  - OEM has the right to refuse
  - Retro data “good to share”
  - Projection might ruin “strategies” >> optional, general estimate is OK



# Any Other Issues?

**Question & Answer.  
Comments & Critics Are Welcomed.**

# Thank You

***ASEAN NCAP for ASEAN***

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