



# RESULTS

## Phase III

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52nd GRSP Session – December 13<sup>th</sup> , 2012  
Geneva, Switzerland*



GLOBAL NCAP





Informal document GRSP-52-29  
(52nd GRSP, 11–14 December 2012,  
agenda item 16)



# Results

## Visualization



# Car Brand and model



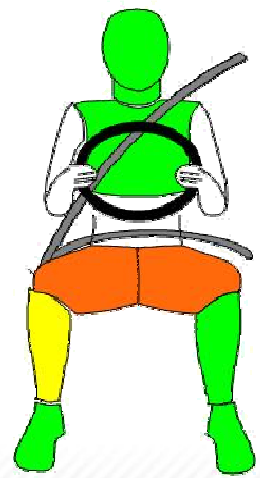
2.28 max. 16.00 - Adult occupant



33.58 max. 49.00 - Child occupant



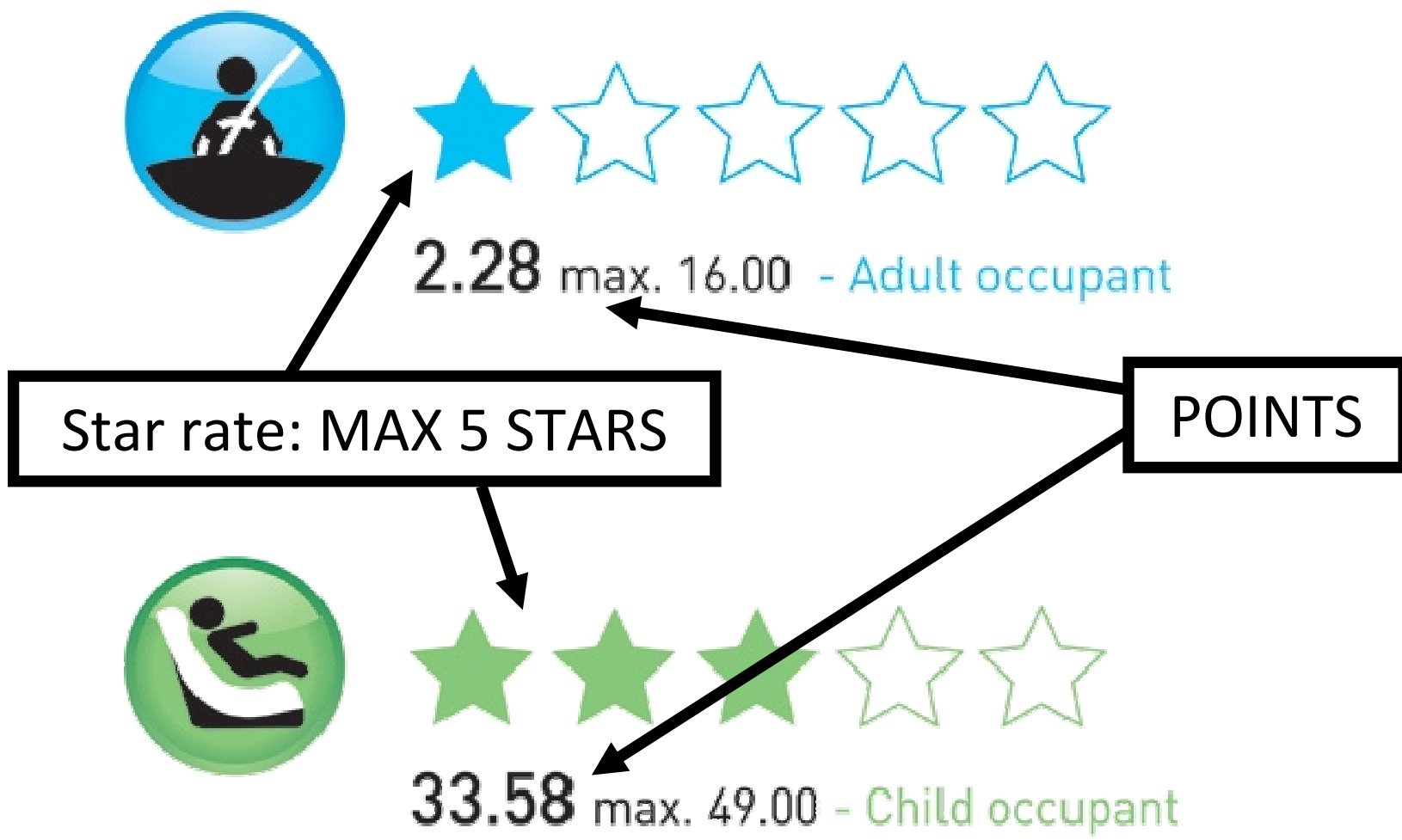
Front passenger



Driver

Good
Adequate
Marginal
Weak
Poor

# Results

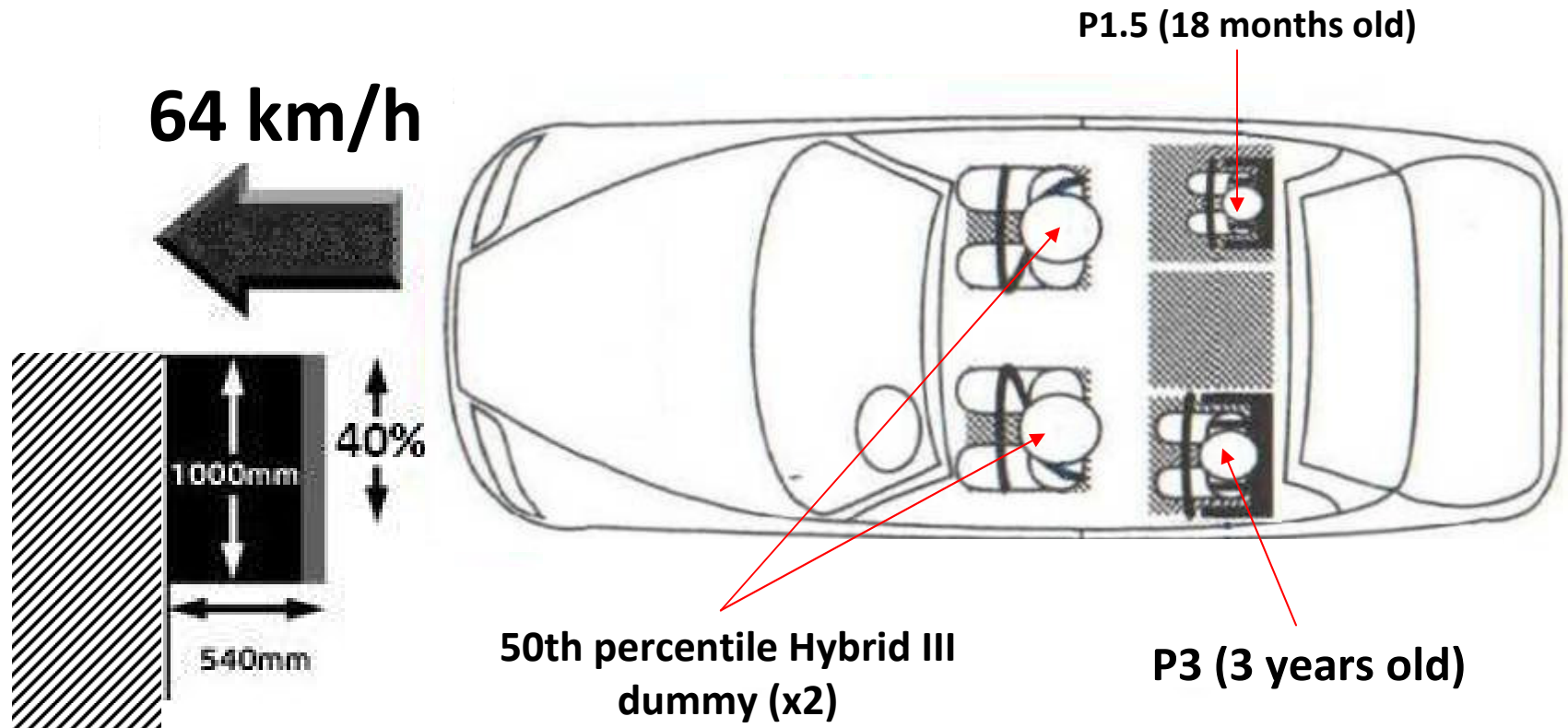


# RESULTS codes in dummies



Green	Good
Yellow	Adequate
Orange	Marginal
Brown	Weak
Red	Poor

# Test: Frontal crash 40% offset



# Cars tested by Latin NCAP

Renault Sandero

**No Airbags**



Ford New Fiesta Hatchback

**2 Airbags**



VW Clasico (Bora)

**2 Airbags**



JAC J3 Hatchback

**2 Airbags**



Honda City

**2 Airbags**



VW Polo Hatchback

**2 Airbags**



Renault Fluence

**2 Airbags**



Toyota Etios Hatchback

**2 Airbags**





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# Results





# TOYOTA Etios + 2 Airbags

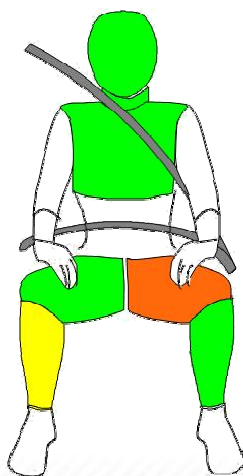
(Only valid for Brazil Market)



12.87 max. 16.00 - Adulto



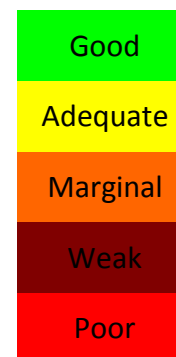
17.38 max. 49.00 - Niño

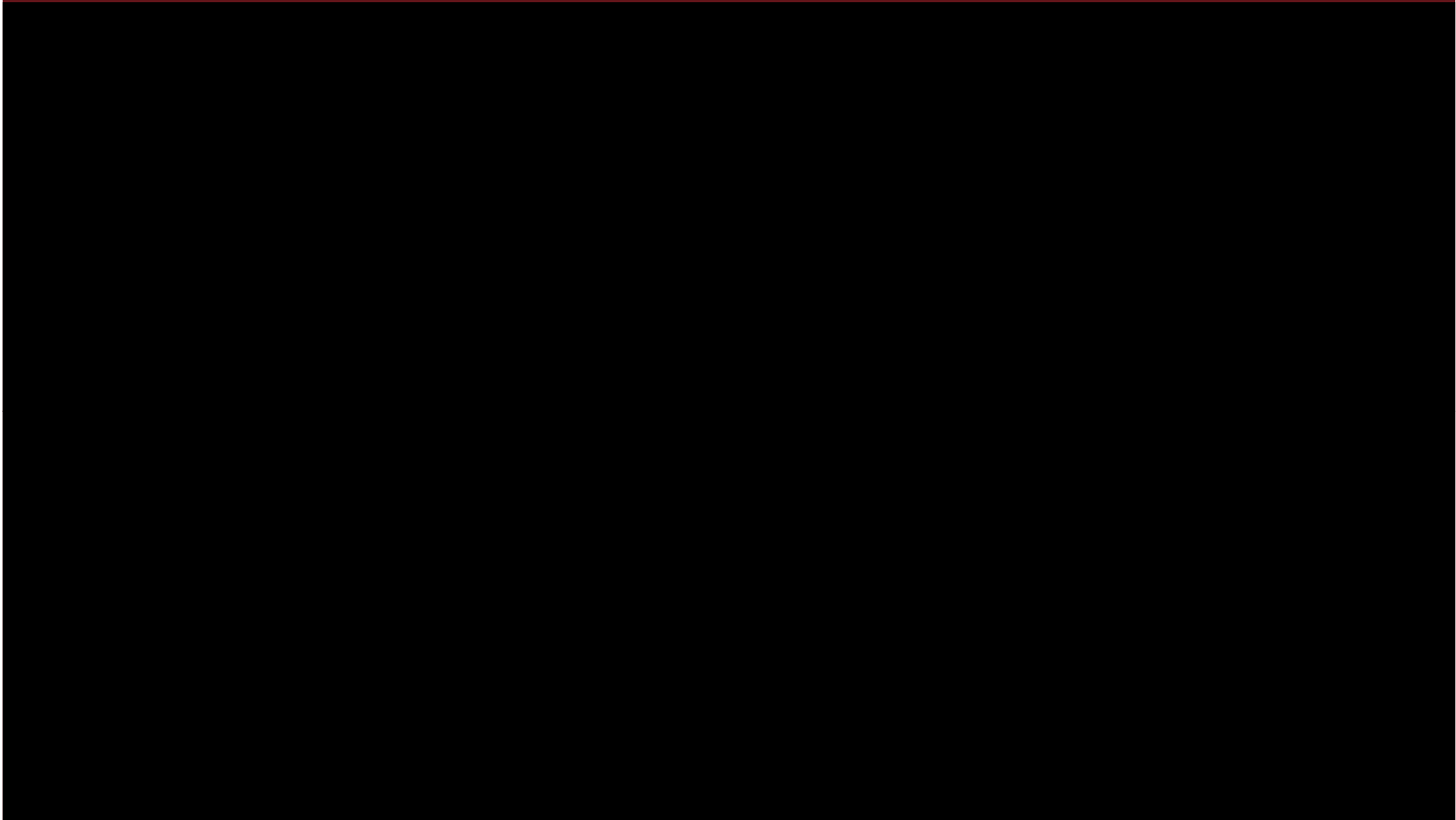


Front passenger



Driver





# JAC J3 Hatchback + 2 Airbags

(Only valid for Brazil Market)



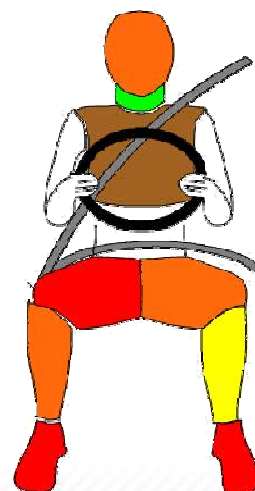
3.50 max. 16.00 - Adulto



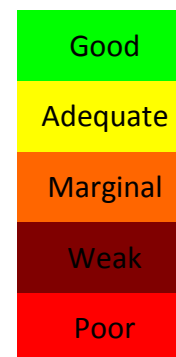
13.03 max. 49.00 - Niño



Front passenger



Driver





# Summary of results phase 3



Only Valid for Brazil

JAC J3 + 2 Airbags



Only Valid for Brazil

Renault Sandero - NO Airbags



VW Clasico (Bora) + 2 Airbags



Only Valid for Brazil

VW Polo + 2 Airbags



Only Valid for Brazil

Renault Fluence + 2 Airbags



NOT Valid for Mexico, Chile and Central America

Honda City + 2 Airbags



NOT Valid for Mexico, Chile and Central America

Only Valid for Brazil

Toyota Etios + 2 Airbags



Only Valid for Brazil

Ford New Fiesta + 2 Airbags



# Summary of results phases 1, 2 & 3



Model + Airbags	Driver (P1)	Passenger (P2)	Notes
Toyota Corolla XEI + 2 Airbags (P1)	★★★★☆	★☆☆☆☆	Comparison test
Ford Focus Style + 2 Airbags (P2) ●	★★★★☆	★★★☆☆	
Chevrolet Cruze + 2 Airbags (P2) ●	★★★★☆	★★★☆☆	
Nissan Tiida Hatchback + 2 Airbags (P2) ●	★★★★☆	★☆☆☆☆	
Toyota Etios Hatchback + 2 Airbags (P3) ●	★★★★☆	★★★☆☆	Only Valid for Brazil
Ford New Fiesta + 2 Airbags (P3)	★★★★☆	★★★☆☆	
Honda City + 2 Airbags (P3) ●	★★★★☆	★★★☆☆	NOT Valid for Mexico, Chile and Central America
Renault Fluence + 2 Airbags (P3) ●	★★★★☆	★★☆☆☆	
VW Polo + 2 Airbags (P3) ●	★★★★☆	★★★☆☆	Only Valid for Brazil
Fiat Palio ELX 1.4 Emotion + 2 Airbags (P1) ●	★★★★☆	★★☆☆☆	
VW Clasico (Bora) + 2 Airbags (P3)	★★★★☆	★★★☆☆	
VW Gol Trend 1.6 + 2 Airbags (P1) ●	★★★★☆	★★☆☆☆	
Nissan Tiida Hatchback + 1 Airbags (P2)	★★★★☆	★☆☆☆☆	
Chevrolet Meriva GL Plus + 2 Airbags (P1)	★★★★☆	★☆☆☆☆	Comparison test
Nissan March + 2 Airbags (P2) ●	★★★☆☆	★☆☆☆☆	Only Valid for Brazil
Peugeot 207 Compact 5p 1.4 + 2 Airbags (P1) ●	★★★☆☆	★★☆☆☆	
Peugeot 207 Compact 5p 1.4 - NO Airbags (P1)	★★★☆☆	★★☆☆☆	
VW Gol Trend 1.6 - NO Airbags (P1)	★★★☆☆	★★☆☆☆	
Fiat Palio ELX 1.4 - NO Airbags (P1)	★★★☆☆	★★☆☆☆	
Renault Sandero - NO Airbags (P3)	★★★☆☆	★★☆☆☆	
Chevrolet Celta - NO Airbags (P2)	★★★☆☆	★★☆☆☆	
JAC J3 + 2 Airbags (P3)	★★★☆☆	★★☆☆☆	Only Valid for Brazil
Ford KA Fly Viral - NO Airbags (P2)	★★★☆☆	★★☆☆☆	
Chevrolet Corsa Classic - NO Airbags (P2)	★★★☆☆	★☆☆☆☆	
Fiat Novo Uno - NO Airbags (P2)	★★★☆☆	★★☆☆☆	
Geely CK1 1.3 - NO Airbags (P1)	★★★☆☆	★★☆☆☆	

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# Pilot Phases: Conclusions

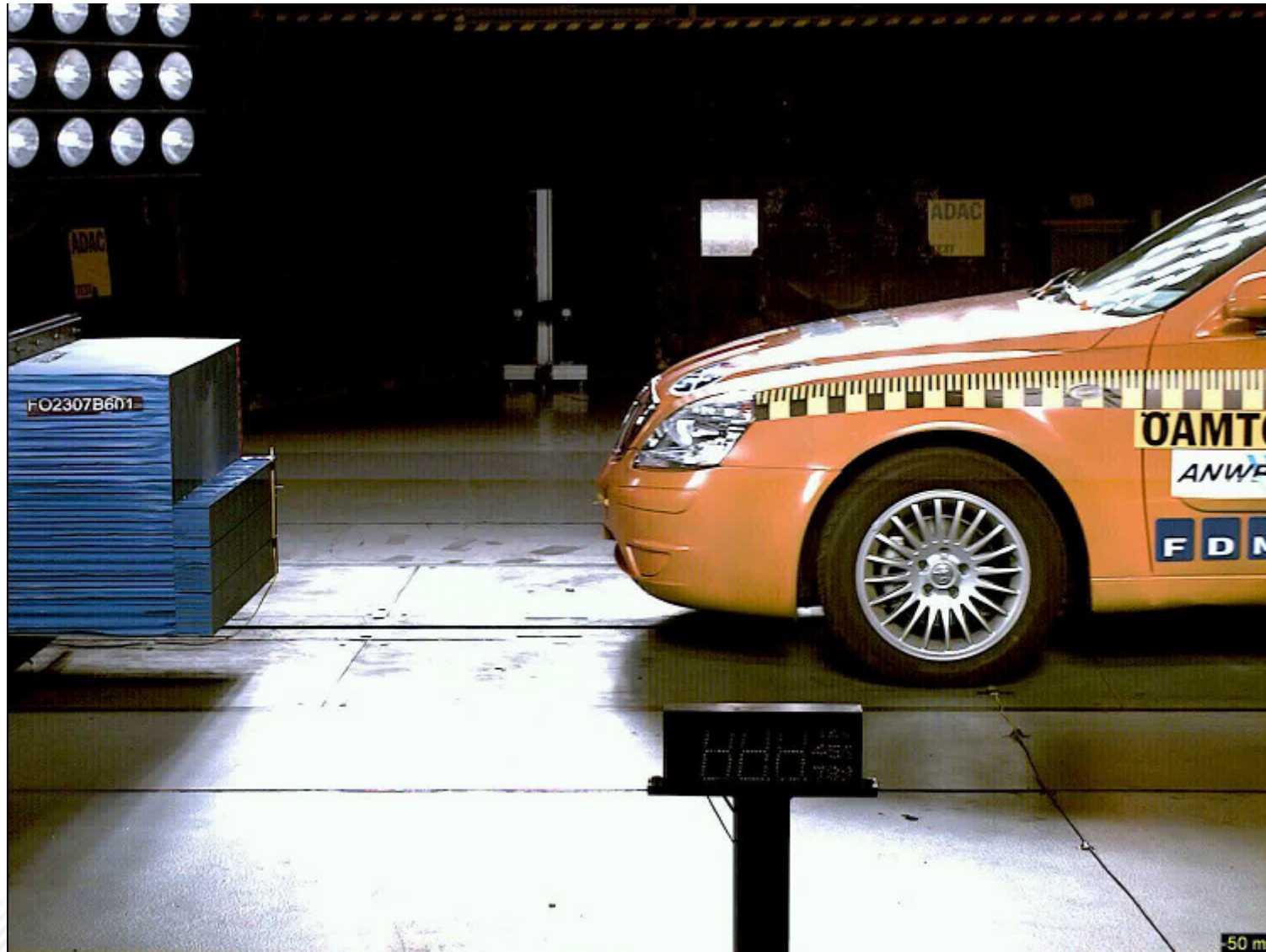


## Conclusions: Adult Occupant protection

-  Bodyshell integrity, airbags and seatbelts are critical for the protection of occupants.
-  Models for Latin America showed poorer protection than the same model even with same equipment for Europe.
-  The latest models tested showed already an improvement in the structural stability.



Bodyshell integrity is critical for the protection of occupants even in cars fitted with airbags.







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Occupants even in cars fitted with airbags.



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## Conclusions: Child Occupant protection

-  The protection of child occupants is low because of the marginal to poor protection offered by the CRS, the incompatibility car-CRS and high probability of misuse.
-  As structures become more stable and stiff, the rear seat restraint systems and CRS must be improved to offer better protection.
-  First cars to score 4 stars in Child occupant safety: Ford Fiesta and Honda City. ISOFIX CRS were used and showed good protection performance and considerable reduction of misuse possibilities.

## Recommendations

-  Latin NCAP recommends all governments to make the requirements of UNECE94 (technical standard) mandatory for all cars. Currently no car without airbags will pass UNECE94. **Only airbag requirement is not enough.**
-  Latin NCAP strongly recommends all governments to reinforce the conformity of production in the regulatory tests for car's protection performance and make tests in independent or governmental test laboratories
-  Latin NCAP recommends all governments to make CRS use and technical standard approval for CRS mandatory. Latin NCAP would welcome when all governments will allow ISOFIX use according to the UNECE technical standards.
-  Latin NCAP promotes the use of CRS in cars and strongly recommends closer cooperation between car manufacturers and CRS manufacturers to improve Child safety in the region.
-  Latin NCAP welcomes Ford's and VW's rapid efforts to bring safer vehicles on sale in Latin America (Fiesta and Clasico) and strongly encourages other manufacturers to follow suit and increase the availability of airbags on their new cars.



# Thank you very much for your attention.

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FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE



# Summary of results phases 1, 2 & 3



Model + Airbags	Occupant Protection (Stars)	Pedestrian Protection (Stars)	Notes
Toyota Corolla XEI + 2 Airbags (P1)	★★★★☆	★☆☆☆☆	Comparison test
Ford Focus Style + 2 Airbags (P2) ●	★★★★☆	★★★☆☆	
Chevrolet Cruze + 2 Airbags (P2) ●	★★★★☆	★★★☆☆	
Nissan Tiida Hatchback + 2 Airbags (P2) ●	★★★★☆	★☆☆☆☆	
Toyota Etios Hatchback + 2 Airbags (P3) ●	★★★★☆	★★★☆☆	Only Valid for Brazil
Ford New Fiesta + 2 Airbags (P3)	★★★★☆	★★★☆☆	
Honda City + 2 Airbags (P3) ●	★★★★☆	★★★☆☆	NOT Valid for Mexico, Chile and Central America
Renault Fluence + 2 Airbags (P3) ●	★★★★☆	★★☆☆☆	
VW Polo + 2 Airbags (P3) ●	★★★★☆	★★★☆☆	Only Valid for Brazil
Fiat Palio ELX 1.4 Emotion + 2 Airbags (P1) ●	★★★★☆	★★☆☆☆	
VW Clasico (Bora) + 2 Airbags (P3)	★★★★☆	★★★☆☆	
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Fiat Palio ELX 1.4 - NO Airbags (P1)	★★★☆☆	★★☆☆☆	
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