



DG GROWTH

General Safety Regulation Way Forward for Seat Belt Reminders

Breakfast Debate – Fitting Safety as Standard

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Regulation (EC) No 661/2009

- Main **type-approval requirements** for the **General Safety** of motor vehicles, trailers, components etc
- Lists the **detailed implementing measures** (EU or UNECE Regulations for defined vehicle categories)
- Phase-in mostly completed since 11/2014 covering e.g.
 - **Electrical Safety, Electronic Stability Control on cars, vans, trucks and buses, Advanced Emergency Braking Systems on trucks and buses, ...**
- Also made mandatory
 - **Passenger Car – Driver Seat Belt Reminder**

GSR Reporting (1)

- General Safety Regulation requires to **report** periodically to the **European Parliament** and the **Council**
- Commission has been undertaking a study with TRL (published March 2015):
 - **Review of possible considerations for legislation**
 - **New safety features that meet CARS 2020 criteria and the Road Safety 2011-2020 policy orientations**
 - **Indicative cost-benefits for about 50 analyzed measures, creating 'short list' for General Safety**

GSR Reporting (2)

- Also **stand-alone study** on Seat Belt Reminder for all seats in passenger cars and other vehicle categories, carried out for EC by TRL (published September 2014)
 - **To quantify the benefits and costs of Seat Belt Reminders for all passenger seats (front and rear) in cars, but also in trucks and buses**

Outcome of the SBR study

- Solid EU benefit-to-cost ratio for all driver and passenger front seat 'smart' SBR applications
- Rear seats of passenger cars faced with high voluntary uptake (thanks to EuroNCAP), thus impacting the benefit side if made mandatory
- Still, nearly cost effective for 'basic/simple' SBR systems on rear seats in cars, without taking into account additional no-quantifiable benefits
- Needed to re-think the way forward for mandatory passenger car rear seat SBR

Cooperation in Geneva - UNECE (1)

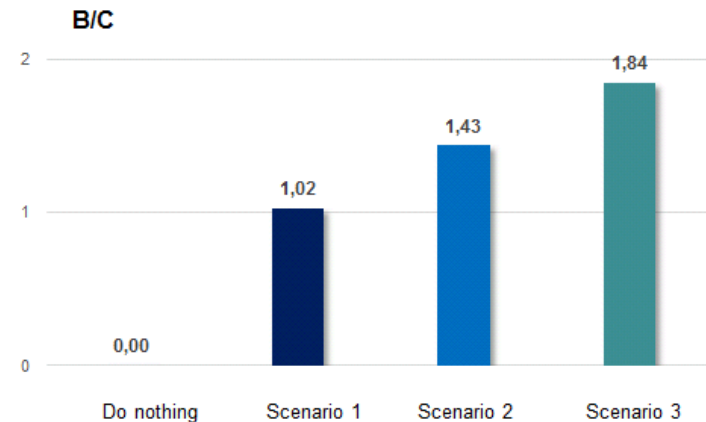
- Seat Belt Reminder is regulated by UNECE Regulation No 16
- R16 is applied in the EU as part of the General Safety Regulation
- Other Contracting Parties to the 1958 Agreements also apply R16, notably Japan and Korea
- Both Japan and Korea indicated early 2015 their wish to work on improving SBR to address regional problem for rear seats...

Cooperation in Geneva - UNECE (2)

- Korean analysis

Scenarios	Observance rate	Belt wearing rate			
		Driver	Front seat passenger	Rear seat passenger	
Do-nothing	0	82.1%	82.1%	22.5%	Initial belt wearing rate
#1	50%	91.1%	91.1%	61.3%	Final belt wearing rate
#2	70%	94.6%	94.6%	76.8%	
#3	90%	98.2%	98.2%	92.3%	

	Scenario 1	Scenario 2	Scenario 3
B/C	1.02	1.43	1.84



Passenger seat SBR
is very cost effective for
Korean situation

Cooperation in Geneva – UNECE (3)

- In Japan, rear seat safety-belt use can be as low as 35%...
- Optimal rear seatbelt use expected to reduce rear seated passenger fatalities by 80% (calculated for 2013 situation)
- **Therefore decided to join forces:**
- Joint proposal by the European Commission, Korea and Japan to make SBR mandatory on all front and rear seats in passenger cars, all front seats of trucks and buses

Cooperation in Geneva – UNECE (4)

- First informal draft document circulated in May 2015, Contracting Parties and stakeholders generally supportive
- Working document proposal, containing detailed prescriptions and proposed time-line for mandatory fitment has been prepared for next December Working Party on Passive Safety session in Geneva (GRSP)
- Realistic dates mandatory for new vehicle types 2019, mandatory for all new vehicles 2023

Seat Belt Reminders fitted as standard equipment through UNECE Regulation No 16 application

- Saves lives and reduces injuries, world-wide
- Reduces burden and cost for vehicle manufacturers because of harmonized rules with universal type-approval
- This initiative goes hand-in-hand with the update of the General Safety Regulation
- Could be established through valuable data input and support from ETSC reporting and analysis
 - Thank you!

For further information

<http://ec.europa.eu/growth/sectors/automotive>

- Status of EU legislation, links to Directives, Regulations and other useful information.

<https://circabc.europa.eu/w/browse/b2bc6bdb-7e39-48cd-9f16-079703cd82e6>

- Studies carried out by the Automotive and Mobility industries unit of DG GROW

European Commission Directorate-General

for

Internal Market, Industry, Entrepreneurship and SMEs

Automotive and Mobility Industries Unit

Thank you for your attention