

# Resolution on Road surface labelling

Draft proposal: ECE/TRANS/WP.29/GRB/2018/8 and 9

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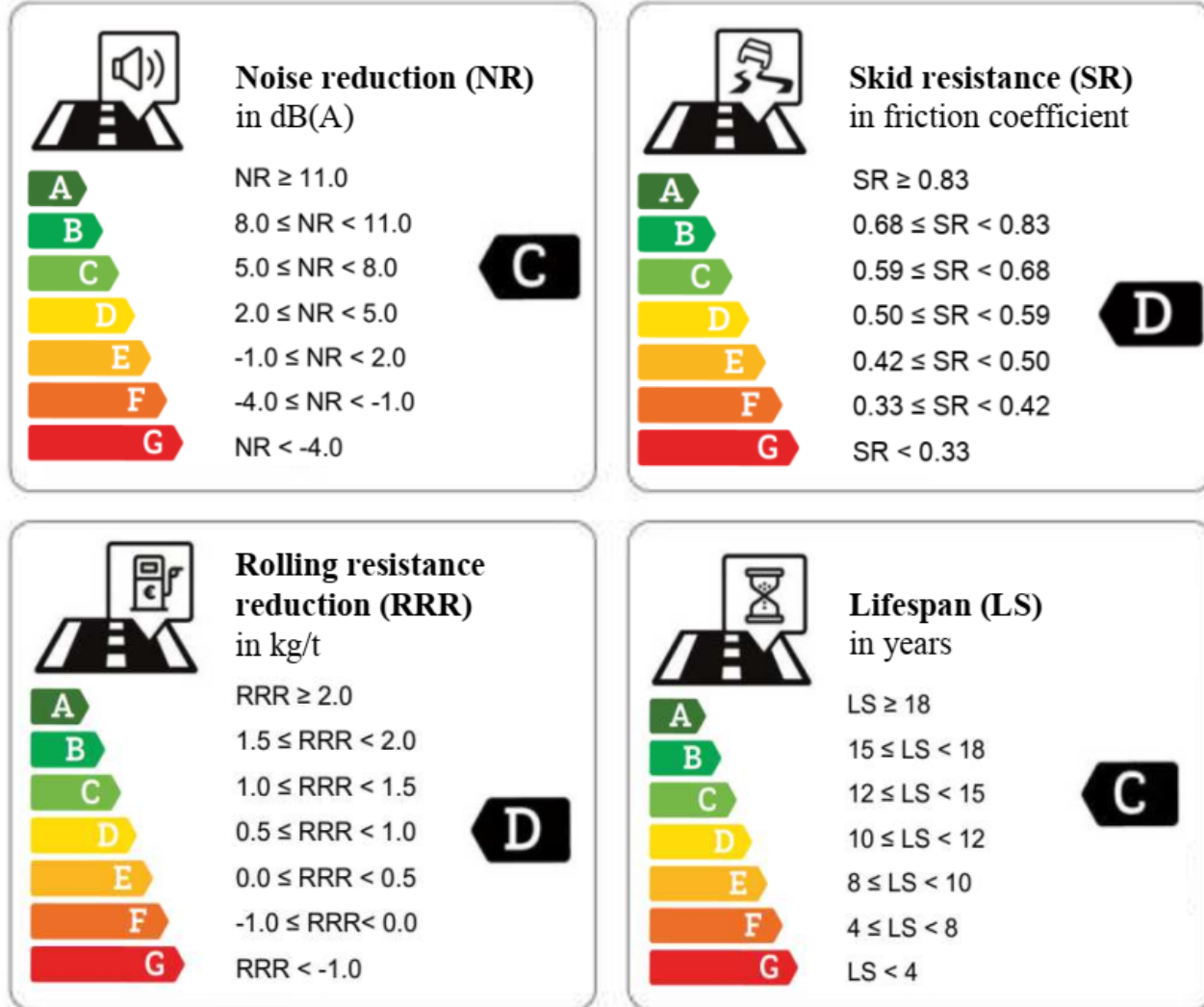
**UNECE Working Party on Noise and Tyres (GRBP)**  
**September 2018, Geneva**

# Road surface label has 4 indicators

- Noise reduction
- Wet skid resistance
- Rolling resistance
- Lifespan

# Road surface label

## [Identification of road surface]



# Video news broadcast

- First road surface with a quality label
- Advantages label
  - Transparent
  - Innovation
  - Acknowledges that a road surface is a product that can be developed, designed, built, maintained and removed
  - Facilitates the collaboration between tyre manufacturers and road builders and other relevant industrial partners (e.g. Automotive)
  - Facilitates and makes the optimisation of tyre-road interaction possible
  - Recognition for society and politicians
  - Facilitates the interaction and communication with road users and residents

# Tender province Gelderland

- Judgement of tender prices determined by the quality of the label
- 40% base and 60% label

Label	Minimum	1 sublabel higher	2 sublabels higher	3 sublabels higher
Noise reduction	D	C:20%	C:20%	C:20%
Wet skid resistance	E	D:10%	C:15%	C:15%
Rolling resistance	E	D:10%	C:15%	B:20%
Lifespan	E	D:20%	C:35%	B:40%
Max total		60%	85%	95%

Criterion	Province Gelderland	Contractor #1: 10 M euro	Quality discount	Contractor#2: 6 M euro	Quality discount
Noise	D	C	$6M * 20\% = 1.2$	D	-
Wet skid resistance	E	D	$6M * 10\% = 0.6$	D	$3.6 * 10\% = 0.36$
Rolling resistance	E	B	$6M * 20\% = 1.2$	D	$3.6 * 10\% = 0.36$
Lifespan	E	B	$6M * 40\% = 2.4$	E	-
Fictional tender price			$10M - 5.4 = 4.6M$		$6M - 0.72 = 5.28M$

# Conditions to the tender

- Comparable and accepted measurement methods per indicator
- Prove characteristics every 2 years
- Repair and maintenance allowed
- Fine for not meeting the offered sublabel (twice the given fictional discount)

# Resolution on Road surface labelling

- GRB67 asked for a Working document, that may become a resolution
  - Two documents:
    1. Proposal for a draft Resolution
    2. Background information
- Resolution is a Guideline and is thus a non-mandatory instrument
- Instructions/manual how to use this road surface label



# Structure Resolution (I)

- Preamble
  - WP.29 on this Resolution on road surface labelling:
    - Harmonisation of technical requirements ensuring high quality
    - Facilitation of assessment of road pavement surface performance
    - Complements the existing tyre label
    - Does not prescribe minimum requirements
    - No regulatory status
    - Recommends the use establishing a road surface label

# Structure Resolution (II)

- Introduction
  - Resolution establishes a framework
  - Aim is to increase safety and environmental and economic efficiency of road transport
- Scope
- Definitions
  - Label, 4 indicators, classes
- Requirements
  - Annex I gives the classes for the 4 indicators
  - Annex II-V give the determination/measurement methods for the 4 indicators
  - Annex VI gives the format of the label

# Background information for the draft Resolution on road surface labelling: ECE/TRANS/WP.29/GRB/2018/8 and 9

- Provides extra information
- Benefits
- Scope
- Expands on the labelling concept and gives examples
- Some references

# Annex III of the draft resolution

- Replacement current Annex III
  - Annex III in ECE/TRANS/WP.29/GRB/2018/8 is a reference to an article in German language
  - Annex III should be self-explaining and in English/French/Russian
- Measurement methodology Annex III
  - Now 'Braking friction coefficient' instead of 'Side ways friction coefficient'
- Replacement of Annex III consequently leads to adjustments to both the draft Resolution on Road surface labelling and its Background information
- Informal document GRB-68-08 gives the amendmends and adjustments to both Working Documents

# Technical/detailed questions?

- If we cannot answer them at this GRBP: [fbijleveld@ooms.nl](mailto:fbijleveld@ooms.nl)
- When can the draft Resolution go the WP.29 for adoption?

**• Thank you for your attention!**