

***UN/ECE REGULATIONS
proposal for optimization of
regulatory framework
and
tyre type approval***

***55TH GRRF 3 – 6 Feb. 2005
ETRTO proposal***

Tyre moulds

- Tyre Industry investment and asset
- Link to product performances
- Link to product appearance & end-user information
- Link to production capacity and delivery
- From 1 to 20 moulds for every tyre type/designation
- Every sidewall change imply:
 - Lead time and cost (review layout, logistics, rework, industrialization, quality control)
 - Production capacity lost

TYRE SIDEWALL MARKINGS

Load/Speed Performance + Noise (s = sound)

PASSENGER

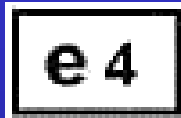
COMM. VEH.



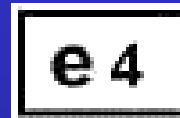
02MMMMMMMM



00MMMMMMMM



NNNNNNN-s



NNNNNNN-s



00NNNNNNN-s
02MMMMMMMM



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MINIMAL dimensions:

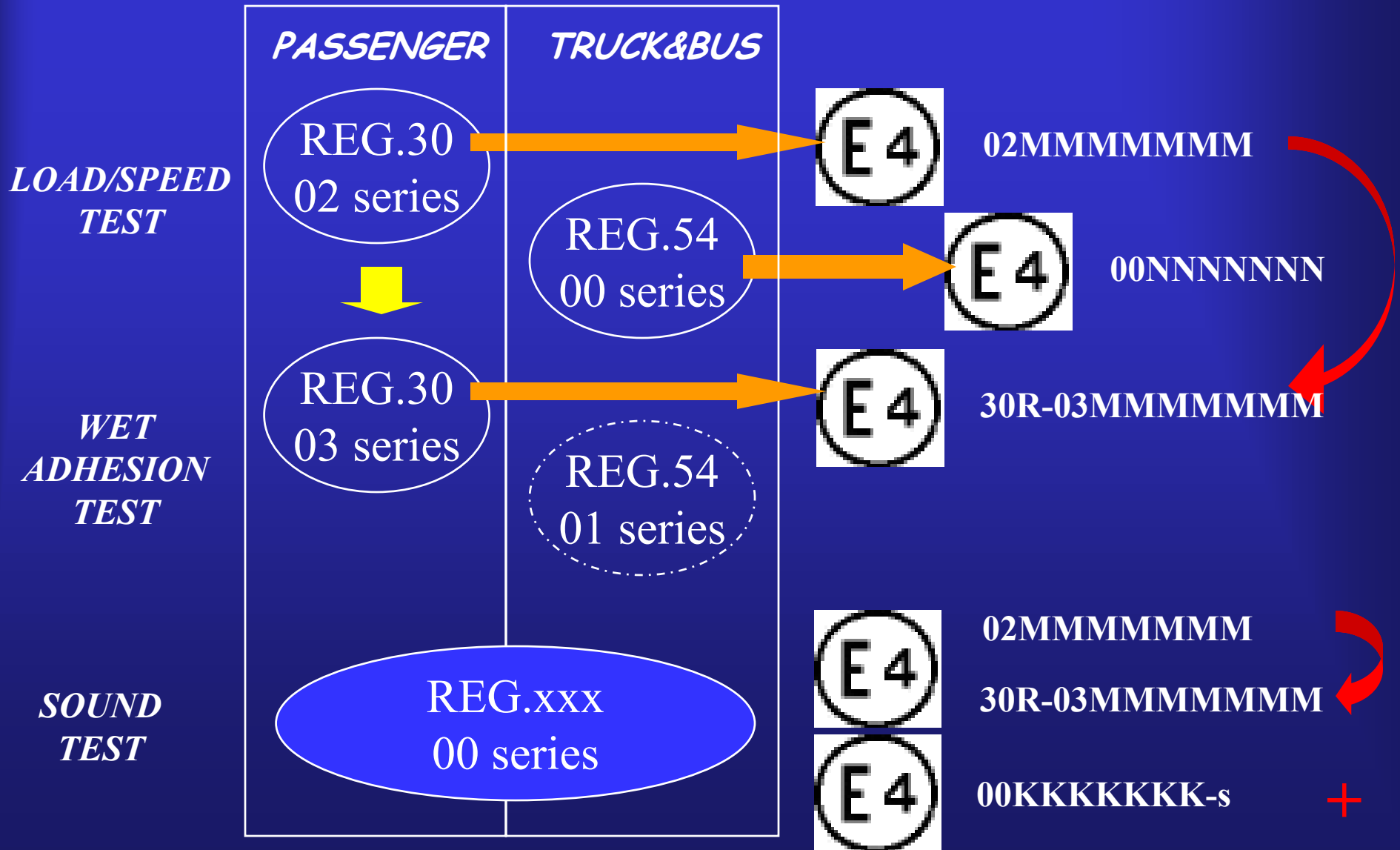
- logo "E x" is 12mm, height 6mm for the "E" and 4mm for the "x";
- logo "e y" is 12x8mm, height 4mm for the "e y"
- legal homologation number: height 4mm

ISO STANDARDS and UN/ECE REGULATIONS

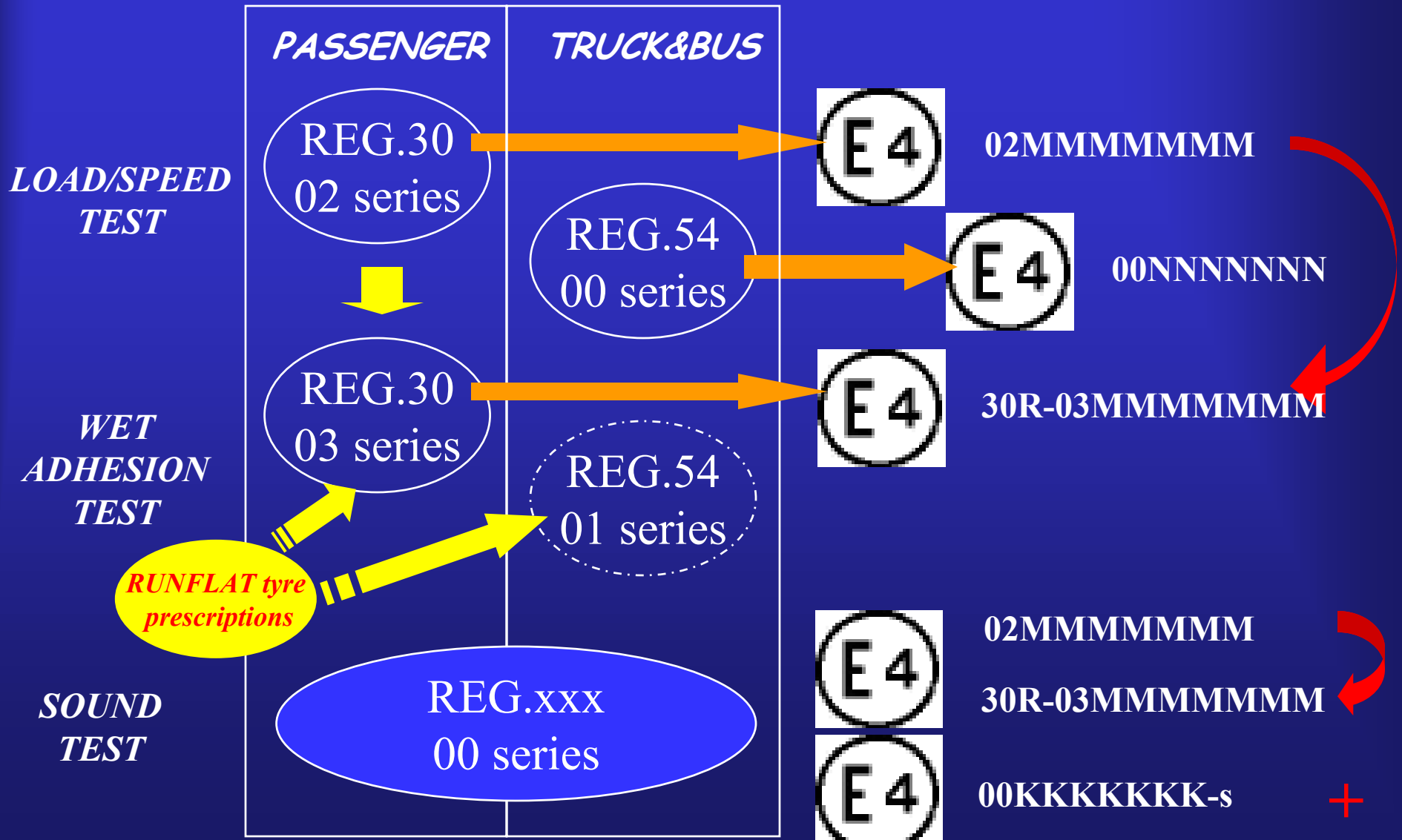
	ISO Standards	UN/ECE Regulation
NOISE	ISO 13325 Coast-by Test ISO 10844 Track Surface	Draft defined To be approved by ECE
WET GRIP	Pass. Tyres Draft available	Draft proposal
ROLLING RESISTANCE	CV tyres started ISO 8767 (Pass.) ISO 9948 (CV) (4 methods)	


 Type approval & Sidewall marking?

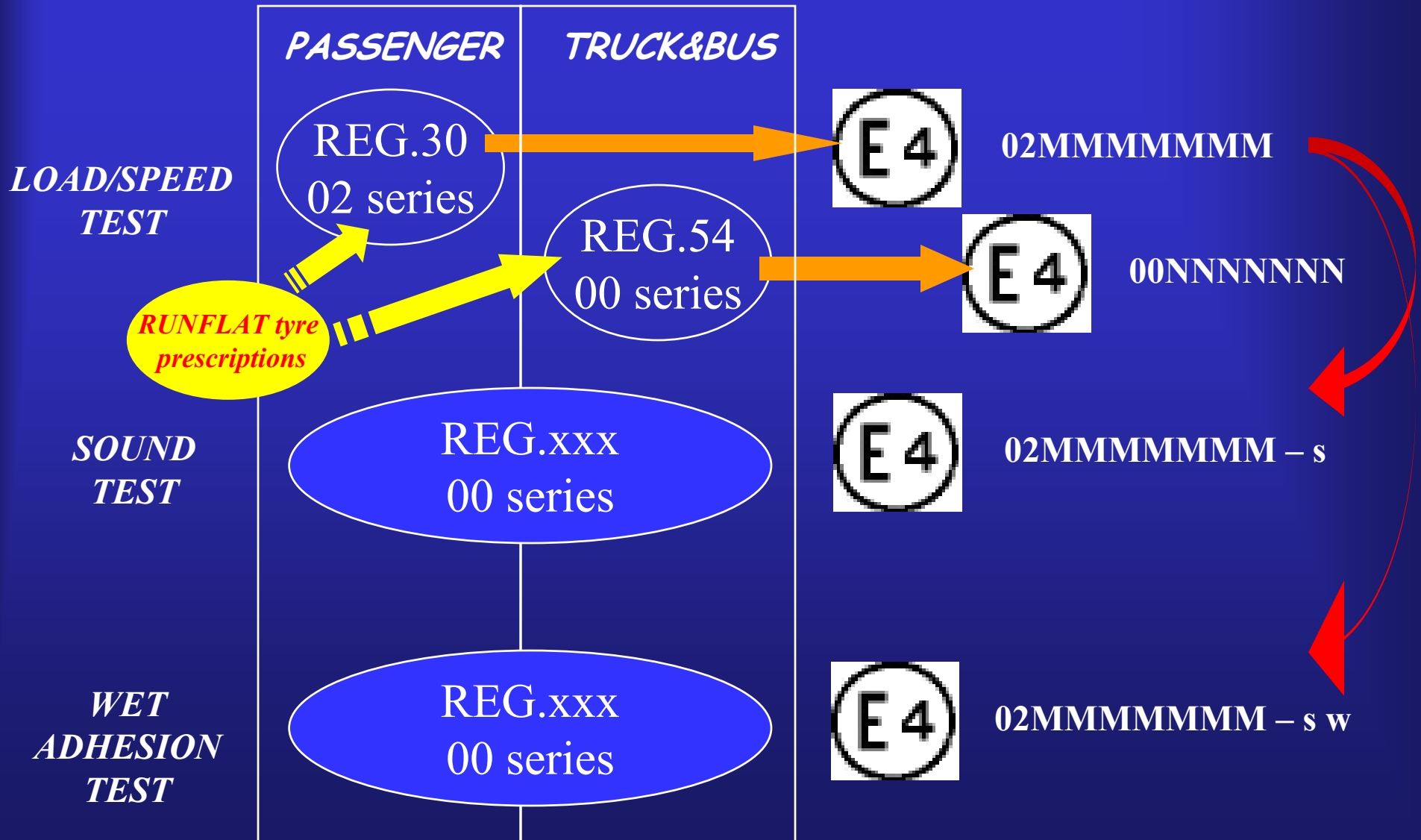
WET GRIP REG. – actual proposal



WET GRIP REG. – actual proposal



NEW PROPOSAL – sidewall marking optimization



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