

Transmitted by the expert from GTB

Informal document GRE-71-33
(71st GRE, 31 March–3 April 2014,
agenda item 13 (b))

GTB Working Group Signal Lighting

Status Report to GRE-71 (April 2014)

GTB

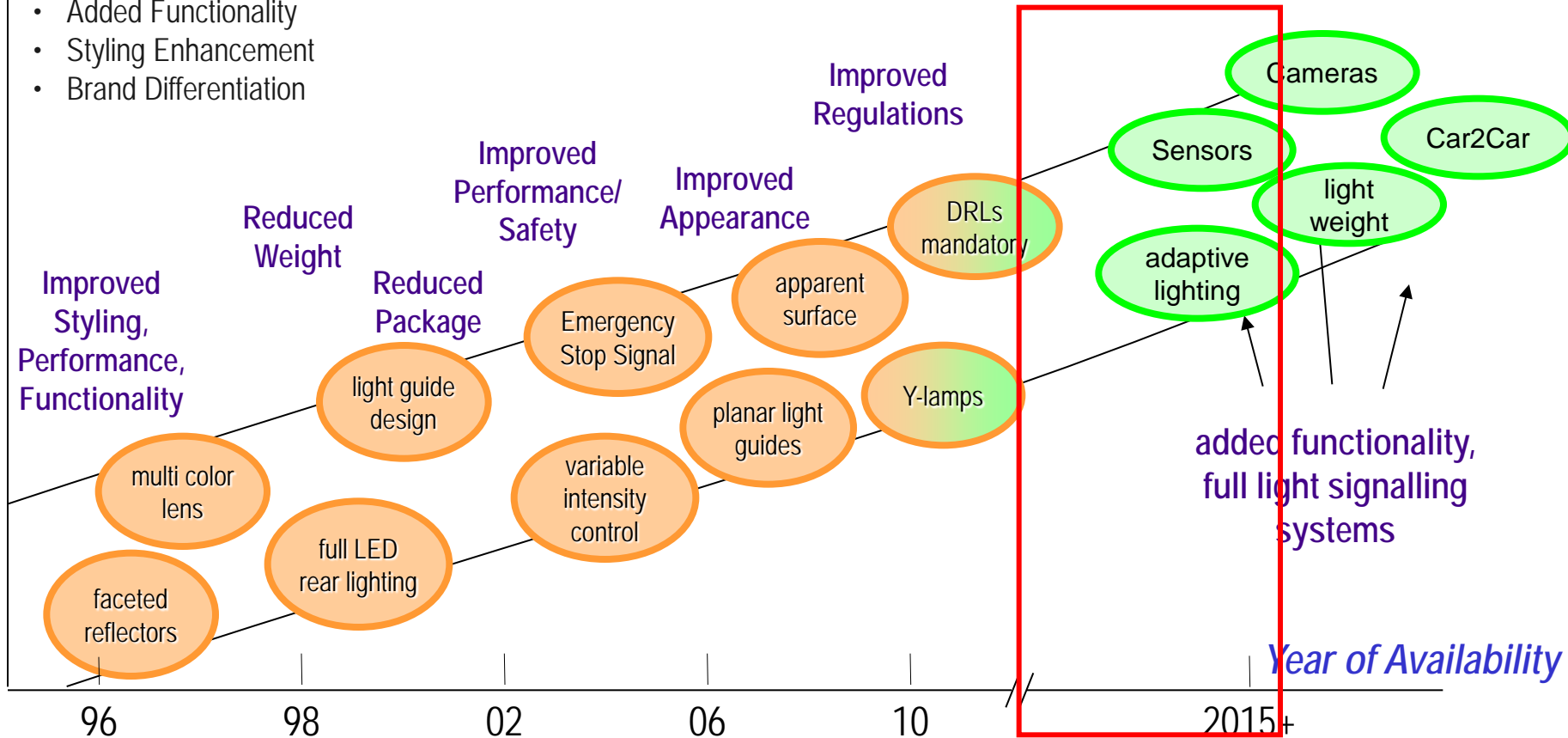
*The International Automotive Lighting
and Light Signalling Expert Group*

Groupe de Travail "Bruxelles 1952"

Demands and Trends for Signal Lighting

Value

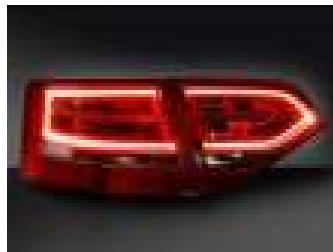
- Increased Safety and Convenience
- Improved Lighting Performance
- Added Functionality
- Styling Enhancement
- Brand Differentiation



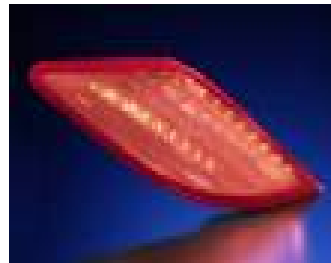
Demands and Trends for Signal Lighting



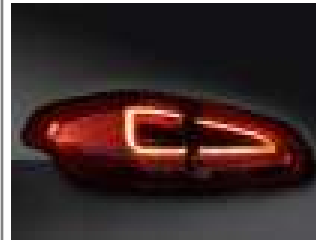
2006



2008



2009

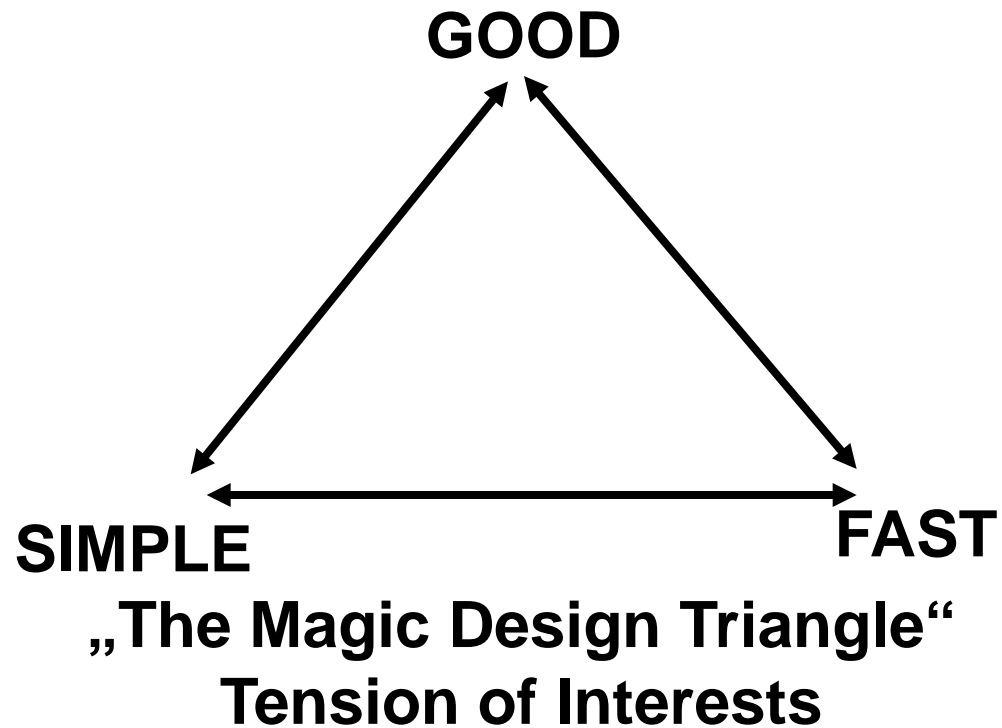


2010



2010

Demands and Trends for Signal Lighting



Status Report for Signal Lighting LED Application

Are there special needs for the application of LED, either

- standardized LED (Reg. 128) or
- Retrofit Lightsources (Reg. 37?) ----- WGLS

Status Report for Signal Lighting Adaptive DRL

What is an Adaptive DRL?

It is a daytime running lamp which adapts its intensity to the ambient light.

Why a Smart DRL?

Some DRLs are regarded as too bright in low ambient light conditions.
Some DRLs are regarded as too dim in bright ambient light conditions.

Smart DRL might generate a broader public acceptance.

Smart DRL may reduce fuel consumption due to a delayed headlighting use.

Status Report for Signal Lighting Adaptive DRL



Status Report for Signal Lighting Adaptive DRL



Status Report for Signal Lighting Adaptive DRL



Thank you for your attention

