

Submitted by the expert from GTB

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Authors: Mr. Pernkopf (Chairperson)

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Mr. Laarhoven (Secretay)

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GTB Task Force Conformity of Production TF CoP

Status Report (October 2013)

GTB

*The International Automotive Lighting
and Light Signalling Expert Group*

Groupe de Travail "Bruxelles 1952"

CoP

- Conformity of Production:
 - **series production** should be **in line** with **approved type**.



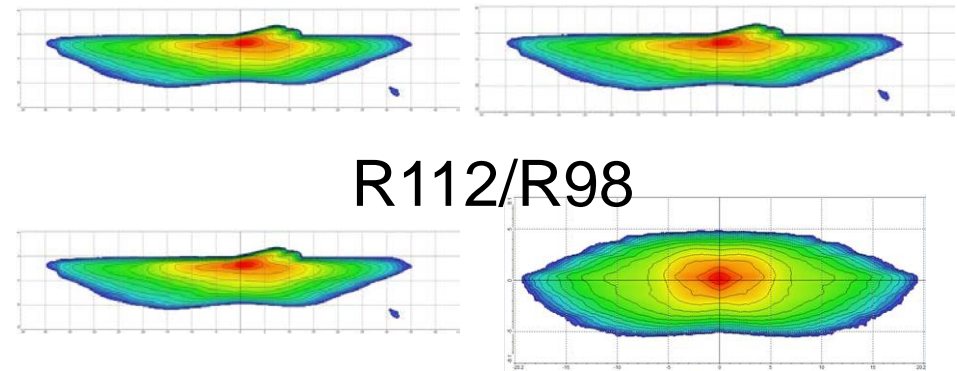
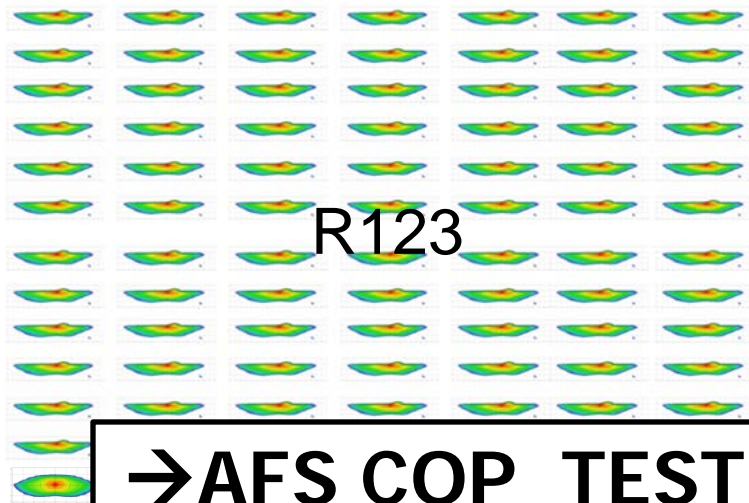
AFS

- Adaptive Front Lighting System:
 - Simple or Complicated **system** of lighting units in front of a car which have to fulfill together different requirements according to different ambient conditions (e.g country, city, motorway, adverse weather, adaptive driving beam)



CoP on AFS

- to show R123 CoP compliance up to **150** photometric measurements are necessary compared to only **4** measurement for R98/R112 headlamps.



→ AFS COP TESTING HAS TO BE SIMPLIFIED

GTB TF CoP

- First Meeting in Karlsruhe 19. July 2012
- 19 participants from Industry and Testhouses

Outcome:

- **Work on ECE Reg. 123 to simplify AFS tests for series production (as AFS has very complex measurement requirements)**

Task Force – Conformity of Production

Chairperson: Michael Pernkopf



Michael studied Technical Physics in Vienna (1996-2002) and started working as optical engineer at ZKW Group in Wieselburg, Austria. Since 2004 he has been Homologation Manager and has studied Innovation management outside regular work hours at the University of Applied Sciences in Wiener Neustadt. In 2009 Michael became the official UN-GRE delegate representing the Austrian Ministry of Transport, Innovation and Technology. He has filed several patents and his motto is: "You cannot know everything, but you can ask everything."

Secretary: Wilfried Van Laarhoven



Wilfried studied Physics with a specialisation in Optics and started working at DEKRA (formerly KEMA) in 1989 after as group leader in the Photometric Laboratory. His present roles include Global Sales Manager - Photometry, New Business Development Manager Lighting and Photometry and Project Manager. Wilfried is responsible for the testing of automotive lighting, light signalling and light sources according to the UN Regulations and to FMVSS108/CMVSS108/SAE.

Scope: To study the COP requirements of Regulation 123 (AFS) and develop revised COP requirements for Regulation 123. Based upon the experience gained from the review of Regulation 123 the Task Force may be requested to expand the study to all lighting regulations.

THANK YOU!