GRE SLR IWG

The UN World Forum for Harmonisation of Vehicle Regulations (WP.29 and GRE)

Simplification of the UN lighting and light-signalling regulations

16-18 May 2017, Tokyo, Japan

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Long term objective

Overarching objective – safety of traffic participants

How to come up with a regulatory framework that will:

- Be future-proof/stable over many years,
- Not require regular amendments to accommodate advances in technology,
- Reduce the administrative burden,
- Provide legal certainty for the automotive industry and its investors,
- Promote innovation
Challenges

How to deal with complexity and the number of UN lighting and light-signaling Regulations, i.e. 31 Devices Regulations in addition to 4 Installation Regulations, 3 Light-Sources Regulations and 5 other Regulations

WP.29 signaled its strong reluctance to process frequent amendments to the existing lighting and light-signaling Regulations,

How to facilitate global adoption of technical requirements and render the UN system more attractive to contracting parties

Need to develop objective technical requirements and repeatable tests, based upon research findings, suitable for Type Approval and Self Certification regulatory systems,
Mandate

In March 2012, at the 156th session of WP.29, the European Union, supported by Japan, urged WP.29 to consider the simplification of the lighting regulations and to focus upon developing less technology-specific, more performance-related requirements.

At its sixty-ninth session, GRE agreed to create a special interest group of experts, which met in February and June 2014, to define the Terms of Reference of this new Informal Working Group.

Response

A multi-step/multi-stage approach

Quickest way to improve legal certainty and to deliver a solution for the administrative problem of collective amendments

Stage 1 consolidation and freeze of the existing Regulations and their gradual replacement by three new Regulations on road illumination devices, light-signalling devices and retro-reflective devices.

Continue to grant new type approvals to the existing Devices Regulations during development of the new Regulations

Stage 2 would include further amending of the three new Regulations and Regulation No. 48 to introduce technologically neutral and performance-based requirements.

During Stage 2, start working on performance based technology neutral criteria and review the Installation Regulations, equally suitable for Type Approval and Self Certification
Only 14 live Regulations after the simplification

SLR-11-04/Rev.1

GRE Regulations after Stage 1 of simplification

R4 R38
R6 R77
R7 R87
R23 R91
R50

R19 R119
R98  R123
R112 (R1), (R8), (R20)
R113 (R56), (R57), (R72), (R76), (R82)

R3 R70
R69 R104
R27

R37, (R2), R99, R128, Resolution
Already adopted by GRE-75

(R5), (R31), R48*, R10, R53*, R45, R74*, R65, R86*, R88,

9

R xxx (NEW 1) Signalling devices

6

R xxx (NEW 2) Lighting devices

5

R xxx (NEW 3) Retro reflective devices

8

NOT ON SLR AGENDA FOR STAGE 1

* Definitions and other minor editorial adjustments / synchronisation will be addressed Regulations in parenthesis are frozen already.
Simplification delivered in 2 stages

**STAGE 1**
“Editorial simplification”

**STEP 1**
- **WP29-171** March 2017
  - WP29 to adopt several GRE pending proposals as supplements to the existing regulations.
  - NO FURTHER AMENDMENTS. Granting of type approvals continues.
  - GRE IWG-SLR in conjunction with the GRE Secretariat to produce consolidated versions of all Regulations to be frozen.

**STEP 2**
- FREEZING OF EXISTING REGULATIONS ADOPTION ON NEW REGULATIONS
  - Development of 3 New Regulations + Preparation of TP’s for the existing Regulations
  - WP29 to adopt New Regulations and TP’s for the existing regulations

**STAGE 2**
“Performance based / Technology neutral”

- REMOVE BARRIERS TO INNOVATION
- DEVELOP NEW REGULATIONS SUITABLE FOR THE FUTURE
  - Programme to be defined
  - IWG-SLR starts the task to define simplified technology neutral / performance based requirements in the new device and system regulations and also in R48 (Installation).
  - The new regulations and R48 will be amended, following usual procedures, to introduce the simplified technology neutral / performance based requirements

**2019**

- a) ENTRY INTO FORCE OF NEW REGULATIONS
- b) TP’s APPLICABLE TO FROZEN VERSIONS OF THE EXISTING REGS
Wider Global Harmonisation

In addition to simplifying the UN Regulations and removing unnecessary barriers to innovation, there are wider benefits to be exploited:

- Encouraging more countries to join the 1958 agreement
- Overcoming the objections to the current UN Regulations that are deemed to be unsuitable as a basis for a Self-Certification system and its enforcement
- Alignment/harmonisation of national technical requirements/tests and mandatory standards with the UN regulations (e.g. China, Republic of Korea, India, Brazil)
- Development of technical requirements/tests that may lead to development of new GTRs for lighting and light signalling
Thank you!

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