GRE Task Force
LED Substitutes / Retrofits (TFSR)

Status report for GRE80

2018-10-19
K. Manz, DE (Chairman)
Ph. Bailey, UK (Vice-Chairman)
Ph. Plathner, IEC (Secretary)
Meetings

• 1st meeting: 2017-12-14, Aachen (report: TFSR-01-11)
• 2nd meeting: 2018-02-06, Bonn (report: TFSR-02-05)
• 3rd meeting: 2018-03-27, Brussels (report: TFSR-03-09)
• 4th meeting: 2018-06-06 Brussels (report: TFSR-04-09)

Two-step approach:
• Step 1: LED substitutes
• Step 2: LED retrofits (no detailed discussion started yet)
Step 1: LED substitutes – package of document for GRE80

- R128: GRE/2018/39
- R.E.5: GRE/2018/40 (PY21W/LED)
- IEC 60061 Interlock keying for BAU15 (PY21W/LED): GRE-80-03
- Device regulation R-LSD: GRE/2018/42
- Installation regulation: GRE/2018/41
- Guidance document for evaluation of new proposals: GRE-80-02
Next Steps for LED TF S/R

• LED substitutes:
  • Extension to front lighting applications
  • See presentations from FIA and SAE;

• LED retrofits
  • Step 2 of the TF activity:
  • Investigate retrofit solutions
    • Type approval possibilities on light source level
    • Development of standardised failure detection
    • Investigation program to check the correct functioning as precondition for approval
    • relationship between UN/ECE and national / regional level laws
**General Situation**

Where and how does LED retrofit fit in?

- **Type Approval of parts**
  - UN / regional / national

- **Vehicle Type Approval**
  - Contracting parties, (example: EU- Type Approval)

- **Registration / coming into traffic**
  - Contracting parties / national registration requirements

- **Modification / spare parts fitting**
  - Depending on national requirements of the CP’s (allowed; forbidden, unclear)

**Different legal systems**

**Influence**
Options for LED retrofits

The TF requests guidance from GRE on the further work

Light source type approval:

• R37 type approval, or

• R128 type approval, or

• Regional / national type approval