

GRE Task Force LED Substitutes / Retrofits (TF SR)

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)

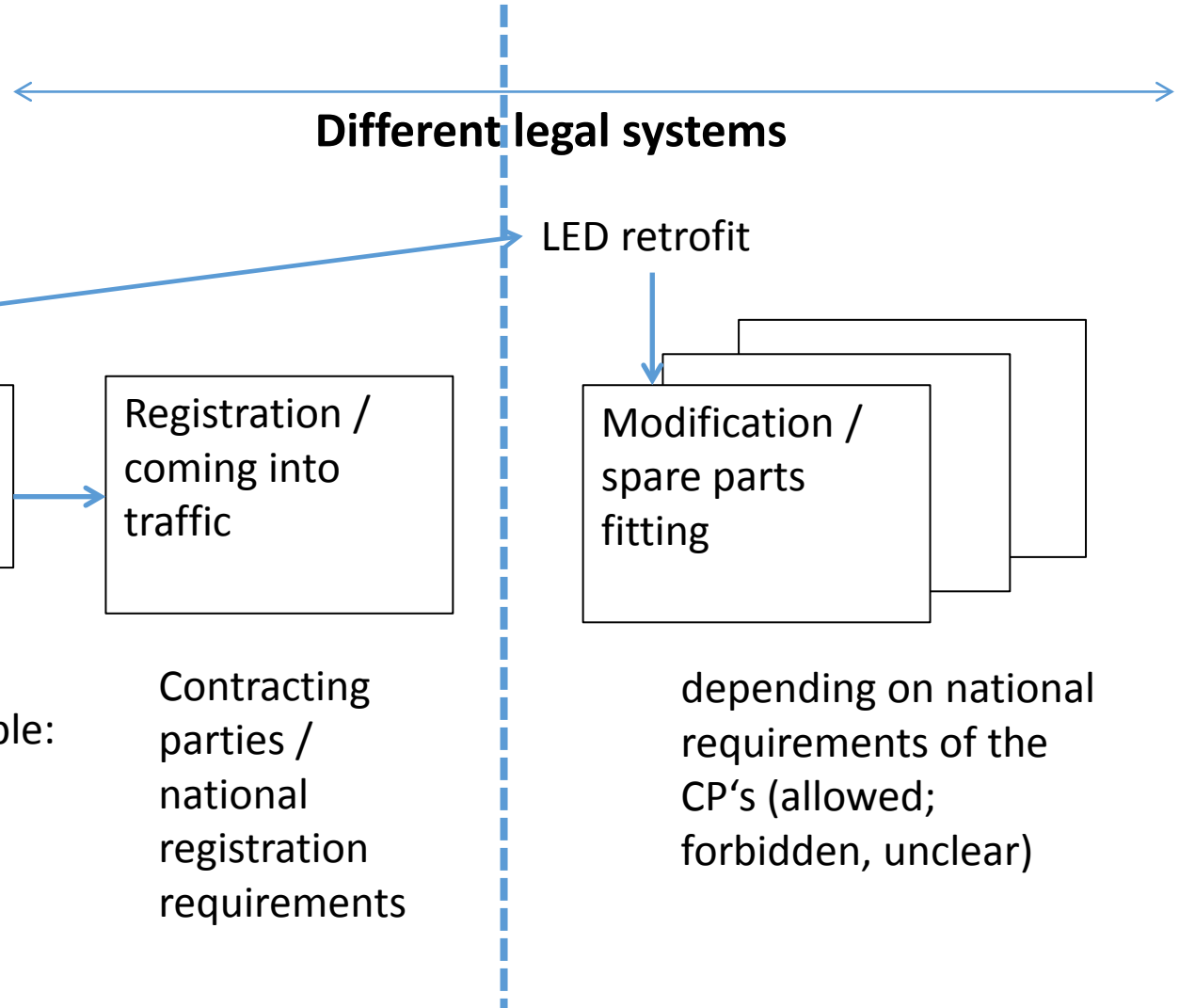
Step 1: LED substitutes – package of document for GRE80

- 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



Different legal systems

Influence

Type Approval of parts

Vehicle Type Approval

Registration / coming into traffic

LED retrofit

Modification / spare parts fitting

UN / regional / national

Contracting parties, (example: EU- Type Approval)

Contracting parties / national registration requirements

depending on national requirements of the CP's (allowed; forbidden, unclear)



Where and how does LED retrofit fit in?

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