



- Background

- Inclusion of towed machines and trailers into the EU-Typeapproval Regulations
- Study of the German Insurance Association (GDV) concerning accidents with agricultural vehicles
- Manufacturers desire to permit „innovative“ lamps (daytime running lamps, cornering lamps etc.)
- Alignment of ECE R 86 with Directive 2009/61/EC (former 78/933/EEC)

- Solution:

- Amendment of the existing ECE R 86

Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86



Revision of ECE R 86

- Content of the proposal:
 - Add requirements for specific lamps for towed vehicles
 - Add „innovative“ lamps as an option
 - Signalling with warning boards and „SMV-Emblem“
 - Rotating beacon
- What is new?
 - Scope:
 - Tractors
 - Towed machines
 - Trailers
 - Self propelled agricultural or forestry machines
 - No upper speed limit
 - Additional stop lamps optional
 - Side reflectors mandatory (~ R 48)

Revision of ECE R 86

- What is new? (cont.)
 - Triangular retro reflectors for towed vehicles
 - Front retro-reflectors (~ R 48)
 - Side marker lamps optional
 - Daytime running lamps optional
 - Cornering lamps optional
 - Conspicuity markings optional
 - Emergency stop signal optional
 - Special warning lamp (Use to be determined by Contracting Parties)
 - Warning boards for implements and extra-wide vehicles
 - Lane keeping lamps optional
 - Courtesy lamps optional
 - Signalling of mounted implements (Annex 7)