GTB Strategy for RID Simplification
INTRODUCTION

- Definition of requirements for basic passing beam which is technologically neutral and performance oriented. And then?

- How to manage AFS?

- How to manage beam of categories AS, BS, CS, DS & ES (from R113).
NEXT STEPS?

Polishing the strategy:

► How to manage the different technical requirements → July 18.
  ► Basic beam, low speed passing beam, AFS, which light distribution for which vehicles?

Technical requirements:

► Validation of basic requirement for passing beam. → July 18
► Management of AFS/ ADB. → Nov 18
  ► Definition of basic requirement for low speed passing beam/ Motorway passing beam.
  ► ADB
► Definition of basic requirement for driving beam.
► Front fog lamps.
► Cornering.

Redaction:

► Rewrite / optimization of RID text to be done in parallel with the technical analysis. As soon as technical requirements for the different beam patterns are frozen.
IDEA FOR AFS

Based upon the basic requirements for the passing beam, the beam pattern may change automatically according to the driving conditions, provided that the requirements are achieved at every time.

If the speed of the vehicle is less than 50 (?) km/h, the beam pattern(s) may achieve the low-speed requirements.

► If the maximum speed of the vehicle is less than 50km/h by design, only low speed passing beam is required on the vehicle.

If the speed of the vehicle is greater than X km/h, the beam pattern(s) may achieve the motorway passing beam requirements.

ADB: to combine the requirement of basic/motorway passing beam below HH line + current requirement of R123 table 7 A & B (with adaptation).

Questions:

► same requirements for all kind of vehicles (car, agricultural vehicles, motorbikes)?

► How to manage adverse weather?
IDEA FOR AFS

Consider the directions defined for the new basic passing beam,

Consider the requirement of R123 Class V requirements,

Propose requirements for passing beam for motorways based upon R123 E requirements.

Which passing beam/speed?
WHICH BEAM(S) FOR WHICH VEHICLE?

To be addressed with GTB/WG-I
IN THE FUTURE (PROPOSAL)

The beam category should depend on the speed of the vehicle and not on the vehicle category, anymore.

(*) Common strategy to be shared with agricultural machines manufacturers and IMMA
PROPOSAL: COMMON STRATEGY TO BE SHARED WITH AGRICULTURAL MACHINES MANUFACTURERS AND IMMA

One simple rule for all vehicles?