



VRU Proxi Regulations articulation proposal

VRU Proxi – 5th session

●●● Regulations articulation

⇒ Proposal to focus on 2 major axis referencing to the current ToRs :

⇒ Vision (including direct, indirect and CMS)

- Reversing motion
- Vehicle driving straight or taking off from standstill
- Direct vision

⇒ Detection around the vehicle

- Vehicle turning
- Reversing motion
- Vehicle driving straight or taking off from standstill

●●● Vision (including direct and indirect)

⇒ Updates of Regulations already in force

- ⇒ UNECE n° 46 : approval of devices for indirect vision and of motor vehicles with regard to the installation of these devices
 - Addition of new fields of vision
 - Definition of mandatory / optional devices following vehicle category
 - Definition of mandatory / optional devices depending on presence of approved detection systems

- ⇒ UNECE n° 125 : approval of motor vehicles with regard to the forward field of vision of the motor vehicle driver
 - Scope extension
 - Consideration of additional obstructions
 - Addition of fields of vision

- ⇒ UNECE n° 43 : approval of safety glazing materials
 - Need to consider a revision of glazing requirements ?

●●● Detection around the vehicle

⇒ Build a new Regulation draft proposal

⇒ Articulation with separate parts corresponding to areas/motions to cover :

- Part I : Opposite to driver side in turning motion
- Part II : Rear detection in reversing motion
- Part III : front detection in forward motion
- ...

⇒ Flexibility in parts application

- Vehicle category
- Definition of mandatory / optional detection depending on presence of approved vision systems
- CPs specific needs (adapted to IWVTA context)