



ACEA

European
Automobile
Manufacturers
Association

DIRECT VISION

Industry position

EG-VRU-PROXI-DV

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Keep all requirements in mind

- **EU 2019/1242 on CO₂ force industry to introduce new and alternative power trains to reach 2025/2030 CO₂ reduction targets**
- **EU 2019/1892 Elongated Cabs is offering additional space which now need to be used to implement new power trains as they need more space than conventional ones**
- **In addition to that future requirements asking for space have to be fulfilled, in particular but not limited to noise and emissions**

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Industry overview to Direct Vision

- **Industry is fully aware of necessity to improve VRU safety**
- **In depth analysis of manufactures shows possible changes to improve Direct Vision (e.g. lower door windows, replacement of mirrors with cameras ...).**
- **These changes will lead to structural changes up to complete re-design of vehicle cabs**
- **Due to high diversity of vehicle architecture manufactures need maximum design freedom to achieve requirements including Direct Vision improvements**

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Direct Vision task force status

- **Categorization for urban (A) and rural (B) vehicles as well 3rd category (B+) between A and B broadly accepted**
 - **Industry presented possible thresholds to task force lower than position of other stakeholders**
 - **Intensive discussions led to no further approach between stakeholders position**
- ➔ NEW PROPOSALS NEEDED TO MAKE PROGRESS**



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Industry proposal

- **Combined approach basic requirement for design freedom and technical neutrality**
- **As industry's thresholds are too far away from stakeholders requirements industry would like to offer a package proposal including both two alternatives below to fulfil the Regulation**
- **Alternative 1:**
 - Combined approach with industry values for categories (6.0, 7.0, 8.5) and inclusion of a new assistance system/functionality (e.g. front-end surround view, MOIS+, BSIS+)
- **Alternative 2:**
 - Combined approach to meet values for categories decided in VRU PROXI – (8.0, (9.0), 11.0)?



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car, van, truck and bus manufacturers

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