UN Regulation No. 46: 
Default view and temporary modified view

Why temporary modified view?

• Fields of vision arise from classic mirrors physics
• Improvements in safety can be achieved by image processing (if temporary modified views are allowed)
• Temporary modification could mean a change in:
  • Field of view
  • Magnification
  • Resolution
• Examples will be stated below, but are not complete
  • Classic Approach – Imitation of mirrors
    • Panning to imitate Head movement
  • New Approach – combining fields of view
    • Change in Magnification factor to improve Nearfield-vision
Class II – Panning (Change of field of view)

Source: Zaindl (2017)
Class II – Panning (Change of field of view)

Source: Youtube

Class II – Panning (Change of field of view)

Source: Youtube
Class II – Panning (Change of field of view)

Source: Youtube

Combined Image

Source: Zaindl (2017)
Default view

Example of change into modified view
Comparison default view – modified view

Change of Magnification and Resolution

Source: Zaindl (2017)

Sources:

• Zaindl (2017), Dissertation
  • https://mediatum.ub.tum.de/doc/1355826/1355826.pdf
  • https://www.youtube.com/watch?v=YH89JcG6ta8

• Stoneridge
  • https://www.youtube.com/watch?v=pjHpQWPgaU

• Daimler Trucks
  • https://www.youtube.com/watch?v=EmyENs0Ea-E