

AI systems in autonomous and assisted driving (AI4AD)

ITU-T Focus Group Proposal

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Benefits of Artificial Intelligence on our roads



AI can play a significant role to **reduce the 1.3 million annual road deaths and 20-25 million road injuries.**

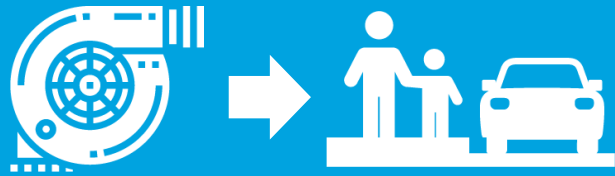


AI can encourage **safe, affordable, accessible and sustainable transport systems.**

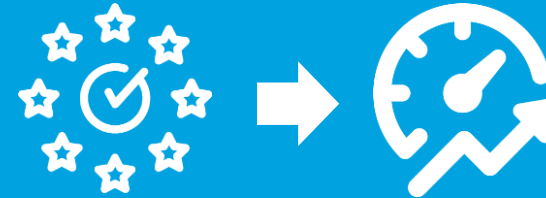


Safe and acceptable deployment of AI on our roads depends **technology achieving public trust.**

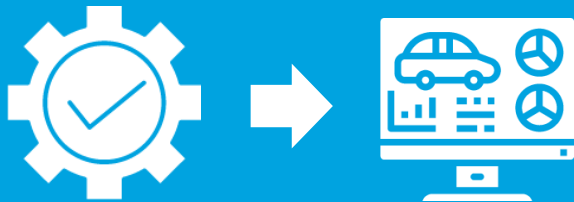
Next Phase of AI Enhanced Mobility



Hardware to behavior



Compliance to performance



Admission to continual monitoring



International Harmonization

Public Expectation of AI Systems on our roads



AI never engages in **careless, dangerous or reckless** driving behavior



AI remains **aware, willing and able to avoid collisions** at all times



AI **meets, or exceeds**, the performance of a **competent and careful** human driver

Strategic direction to be taken by ITU-T

- The #AIforGood community recognize the need for international leadership in the **definition of behavioural standards for AI systems** aligned with existing UNECE safety conventions.
- There is a need to perform **pre-standardization** efforts within an international platform; including governments, non-governmental organizations (NGOs), policy makers, SDOs, industry forums and consortia, companies, academic institutions, research institutions and other relevant organizations.

Strategic direction to be taken by ITU-T

- We propose to establish a new ITU-T Focus Group on “**AI for Autonomous & Assisted Driving (AI4AD)**”, with the terms of reference as provided in Annex A and **ITU-T SG16: Multimedia** as the parent study group