Trials in The Netherlands

Overview of use cases and results

5GMOBIX

KPN, TNO, TU/e, VTT – 23/6/2022

Agenda

- General introduction   Sven Jansen (TNO)

- Introduction of the NL-trials in relation to challenges for 5G CAM   Geerd Kakes (KPN)

- Collision avoidance using Manouevre coordination services   Johan Scholliers (VTT)

- Extended Sensors considering slicing and V2x quality of service   Peter-Paul Schackmann
  (TNO)

- Remote Driving using various network configurations   Jos den Ouden (TU/e)

- Conclusions and summary   Sven Jansen (TNO)

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Introduction

- The NL-Trial site is located at the test site for Cooperative Mobility in Helmond

- Use cases are addressed in categories ranging from traffic information provision, vehicle control support towards full control over the vehicle

- The focus has been on continuity of services for state-of-the-art 5G configurations in cross-border settings

- The role of the consortium partners:
  - AIIM   Test vehicle support for remote driving
  - KPN   Development and support for pre-commercial SA network
  - Siemens   Test site support, support to several use case with test vehicle
  - TNO   Trail site lead, use case lead Extended Sensors, development and support of research SA network
  - TU/e   Use case lead Remote Driving, development of mmWave network and application for positioning
  - VTT   Use case lead Collision Avoidance, contributor ES-PT to cross-border site

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