- VDTP Performance Evaluation -
An Outline of the Real Experiment

Summary

This document describes the real experiment conducted to evaluate the performance of VDTP (Vehicular Data Transfer Protocol). Firstly, a detailed description of the real scenario is given as well as the hardware and software used. Afterwards, the experiment is detailed and the parameters to be measured are specified.

Scenario Description

The description of each scenario is determined by the following parameters:
1. Number of vehicles.
2. Vehicle's direction.
3. Vehicle's velocity.
4. Total distance.

We are currently interested in two simple scenarios:
- **Scenario A**: two vehicles moving in the same direction and with the same velocity (30 km/h). The total distance traversed by both vehicles is also the same (100 m). These vehicles are labelled as **file owner** and **file petitioner** denoting the role of each vehicle in the scenario. File petitioner is moving behind file owner while the file transfer occurs.