NorSIKT – Nordic System for Intelligent Classification of Traffic

The NorSIKT project is carried out in cooperation between all Nordic countries (Sweden, Denmark, Island, Finland and Norway) and is financed by the NordFOU Research Cooperation (ministered by the Director Generals in each country).

The main objective of the NorSIKT project is to standardize the system for classification of motor vehicles in the Nordic countries in order to:

- Determine new joint Nordic method for converting data between different classification methods
- Create a larger Nordic market for measuring equipment and road traffic monitoring systems
- Reduce the cost of collecting road traffic data

The main activities in the project are:

- State-of-the-art
- Overview of available registration equipment
- Instrumentation of test sections, testing procedures and testing different technologies
- Nordic classification method
- Specifications for registration equipment

In the first phase of the project a detailed survey of the situation in the Nordic countries was carried out. The state-of-the-art report presents the situation in terms of current definitions for the classification of vehicles and describes the traffic counting systems in each country. The state-of-the-art report has furthermore been used as a basis for developing a preliminary vehicle classification system introducing some new principles where vehicles can be classified from different types of properties like length, weight, number of axels, type of fuel, etc. Each country can adopt the classification properties that best meet the needs in the country.

In the second and on-going phase different type of registration equipment on the Nordic market will be tested to investigate how different types of equipment meet different classification principles. The result from this extensive testing will be used for a revision of the initial classification system and also as a basis for putting up specifications to advertise for tenders. Phase two of the project include developing a functional specification for traffic registration equipment that matches the Nordic needs.