

0.1 Purpose

This document constitutes the Requirement Analysis and Specification Document (i.e. RASD). Its purpose is to analyze the requirements that will lay the foundations of application services, to specify the application domain, the entities involved and their relationship, to clearly explain the objectives, the constraints and the features that are going to be implemented.

SafeStreets is a crowd-sourced application that intends to provide *Users* with the possibility to notify *Municipality* when *Traffic violations* occur, and in particular parking violations. The application allows *Users* to send pictures of violations, including their date, time, and position, to *Municipality*.

0.1.1 Goals

- G₁ Collect *User report* in SafeStreets Database;
- G₂ Send *User report* to *Municipality* as soon as it is generated;
- G₃ Send *User picture* to the *Licence plate recognition service* as soon as it is received;
- G₄ Allow *Municipality* to visualize *Detailed statistics*;
- G₅ Allow *Users* to visualize *Public statistics*;
- G₆ Suggest *Possible interventions* to *Municipality*;
- G₇ Collect information about *Ticket feedback*;
- G₈ Allow *Users* to visualize their contribution to SafeStreets.