

# SDP2 – Traffic Offence Administration

A TOOL FOR EFFICIENT PROCESSING OF TRAFFIC OFFENCES RECORDED BY AUTOMATIC SYSTEMS

SINCE THE OBJECTIVE RESPONSIBILITY OF THE VEHICLE KEEPER WAS INTRODUCED, THE ROAD ACT ALLOWS FOR IMPOSING MUCH MORE EFFECTIVE SANCTIONS ON SELECTED OFFENCES. THE „SDP2“ SYSTEM PROVIDES A TOOL FOR THEIR EFFICIENT PROCESSING.

Statistics of preventive speed measurements carried out by the city policemen in Bohemian and Moravian towns and cities show clearly that we drive too fast, and that, to some of us, the red traffic light means „Accelerate!“ rather than „Stop!“.

Therefore, towns and municipalities have to seek new ways of securing the street safety on their own. One possibility is to acquire stationary radars with in-built cameras, which can be used for speed measuring and to document red traffic light running. The second generation of the SPD2 system facilitates effective processing of the traffic offences recorded by the above-mentioned systems; it provides the city bodies with an extended scope the required support in both processing the offences and imposing sanctions.

## [ THE ARRANGEMENT OF THE SDP2 ]

The SDP2 system is specially designed for processing of the traffic offences of speeding and red traffic light running recorded using automatic measuring systems. It offers a thorough procedural approach to the processing of an offence and allows for batch processing, which minimises repeated and routine work. The SDP2 cooperates with measuring systems by a number of manufacturers, and it is open for an integration of other instruments. It has a direct access to the central register of vehicles so as to acquire information about the vehicle keeper; it also has an interface for an interconnection with other information systems of the city (typically, it can be a filing service and the system of claims processing).

## The Structure of the System

The SDP2 system comprises two independent applications: Pre-processing and the SDP2. The Pre-processing application is intended for the City Police for verification and evaluation of the measurement.

Subsequently, the offences are passed on to the SDP2 application of the relevant administration body for processing.

## [ MAIN FUNCTIONS OF THE SDP2 ]

The main functional properties of the SDP2 are the following:

- ▶ Keeping records of traffic offences and offence proceedings
- ▶ Generating initiation documents-records of the appointment of the responsible official, records of the measurement, notification of a suspected offence
- ▶ Determination of the vehicle keeper and generation of a notification
- ▶ Supports proceeding the offence with the vehicle keeper by correspondence (without the necessity of personal dealing)
- ▶ Generation of an order of imposing a fine and a control that it becomes final
- ▶ Supports file keeping in compliance with the Administrative Procedure Code and the filing rules (link to the filing service)
- ▶ Ensures links to accounting and collection of claims

## FEATURES AND BENEFITS

- ▶ Automated measurement evaluation
- ▶ Automated searching of vehicle keepers in the central register of vehicles
- ▶ Central application hosted in the data centre
- ▶ High-level security
- ▶ A guide through the offence proceedings– the application guides the user through the entire process
- ▶ A configuration of selected parameters according to the end-client
- ▶ A possibility to customise the templates for generation of documents
- ▶ Batch tasks–increase the efficiency of the offence processing
- ▶ Communication with the filing service systems and systems of claims

[ BENEFITS OF THE SDP2 ]

**Pre-Processing (the Measurement Evaluation)**

The Pre-Processing application checks if the numeral row has not been violated; it finds the vehicle's plate in the image and blurs the face of the codriver and the surroundings automatically. Subsequently to the city police control, the measurements are passed on to the SDP2 application for further processing.

**Searching Vehicle Keepers in the Central Register of Vehicles**

The SDP2 application communicates with the central register of vehicles via web services and finds the vehicle keeper automatically according to the plate recorded at the offence commitment.

**A Guide through the offence proceedings**

The introductory page of the SDP2 application with a list of activities provides a quick orientation in a lot of processed offences as well as an overview of proceedings and administrative time-limits. The relevant process steps and intelligent forms are available to the users for all types of traffic offences; they lead the users through the entire process of the administrative procedure until its closing.

**Batch Tasks**

The main steps of the offence processing can be done at a time for a whole group of offences. This reduces the laboriousness of the offence processing significantly and, as a consequence, it decreases the requirement for human resources.

[ THE ARCHITECTURE OF THE SYSTEM ]

The SDP2 system is operated centrally using a three-layer architecture (a web client / an application server / a database server). All communication is performed through secured (encoded) communication channels. The user connects to the system from their PC via an internet browser. The system is operated continuously (24/7).

**High Level of Security**

The used architecture of the system brings a number of benefits to the user. The servers are located at a safe place, a professional administration is ensured (back-ups, power failure prevention), and only minimum requirements claim hardware of the user.

**Prerequisites for an Implementation of the System**

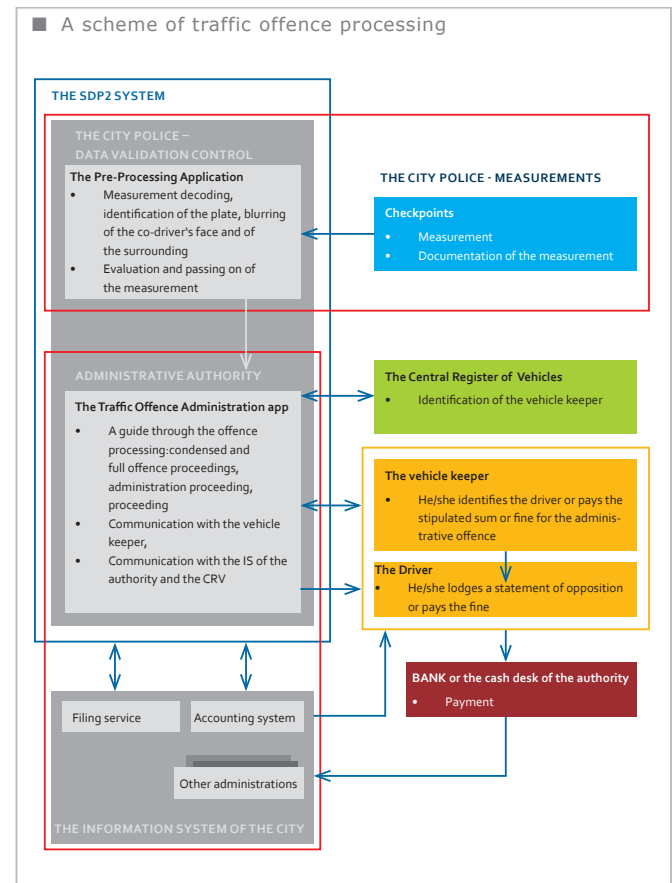
- ▶ A PC with an Internet browser (MS IE, Mozilla Firefox), JAVA
- ▶ Internet connection

[ USER SUPPORT ]

As a support to its users, the application deploys a helpdesk system; it also includes a call centre support to the end-users.

[ SUMMARY ]

In combination with the automated measuring systems (radars, cameras), the SDP2 system embodies a useful tool for processing of traffic offences with the objective responsibility of the vehicle keeper. Thus, the properties of the SDP2 system contribute not only to an increase in traffic safety but it also creates a significant financial resource to the city.



**COMMERCIAL CONTACT**

ICZ a.s. Na hřebenech II 1718/10  
140 00 Prague 4  
TEL.: +420 222 271 111  
FAX: +420 222 271 112  
E-MAIL: marketing@i.cz