

Electronic Call-Off Violations System

The system can generate real-time updates to third parties in any format via the application's API (JSON, XML, XLS).

Computerization Application for Municipal Police - Technical Specifications

- Registration and printing of illegal and controlled parking citations.
- Printing of electronic illegal-controlled parking certificates via portable electronic devices and Bluetooth printers.
- Through the application, municipal employees can take photos as evidence for each violation.
- Ensuring the protection of personal data of every citizen as defined by GDPR.



The system is divided into three subsystems:

- **ANDROID apk:**

The application is designed for both offline and online use, supported by an SQLite database, and synchronized through the API (*2).

It manages all calls sent via Bluetooth with ZPL code.

The application supports:

1. Recall,
2. Printer Change,
3. GPS for Active Location,
4. Call History,
5. Generation of Unique RF IDs,
6. Incremental Serial Number for Each Device.
7. Dynamic list:
 - a. Vehicles,
 - b. Areas,
 - c. Colors,
 - d. Violations,
8. Dynamic call creation per violation, etc.

- **CLOUD MANAGEMENT API (GRADUATED IMPORT EXPORT):**

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It manages and synchronizes (transfers and receives) data both in the Android application and in the central system.

- **CENTRAL MANAGEMENT SYSTEM (DESKTOP APP)**

- 1. Windows Service**

The service operates autonomously and synchronizes its data from the local SQL SERVER to the MySQL in the CLOUD using the API.

- 2. CENTRAL SYSTEM**

It manages all system information and updates and receives real-time information through the Android application via the Service.