

Protocols

Introduction

Each POS or Invoicing System must communicate with either V-SDC or E-SDC to fiscalize invoices.

The communication protocol is standardized and public. API Documentation is available [as part of this documentation](#).

Each E-SDC is required to [implement and expose documented API](#) to all POS and Invoicing systems. Correctness of API implementation is, among other criteria, one of the requirements for E-SDC accreditation.

Each POS must connect to SDC to issue a fiscal invoice. Depending on the business and technical requirements POS can connect using one of the following approaches:

1. **POS connects to [Taxcore.Api](#)** to get environment configuration and tax rates [Optional, but highly recommended]
2. **POS connects to Development E-SDC.** This is used for development, testing and accreditation purposes only. Development E-SDCs are provided as web service to all POS vendors to enable development without the need to possess real E-SDC applications or devices.
3. **POS connects to V-SDC** using a digital certificate delivered in **PKCS12** format and PAC to authenticate to V-SDC.Api
4. **POS Connects to V-SDC** using digital certificate delivered on **smart card** and [PIN](#) Are used to authenticate to V-SDC.Api
5. **POS Connects to E-SDC.** [Communication between POS and E-SDC](#) is secured on a network level. Fiscalization of the invoice is performed by E-SDC and Secure Element inserted into E-SDC