

Remote Audit

Remote audit is the process of transferring data to the tax authority's system using an internet connection. It is the most common way to perform audits for any device with a stable internet connection.

An E-SDC checks if TaxCore.API is reachable. If TaxCore.API is reachable, the E-SDC authenticates the tax authority's system by using a server-side certificate installed on the TaxCore.API endpoint, enabling HTTPS protocol. The tax authority's system authenticates the E-SDC using a digital certificate issued on the Secure Element and issues a token for that session.

The E-SDC starts sending audit packages, performing a series of audits until all the data stored on its non-volatile memory is audited.

A Remote audit is not the only audit option for E-SDC. If the network connection is not available due to the interruption of the service or a missing GPRS modem or network card, E-SDC is able to perform a Local Audit.

Remote audit step-by-step:

1. E-SDC submits an audit package by invoking TaxCore.API service [Submit Audit Package](#)
2. Tax authority's system verifies the data and returns a response containing:
 - o audit package status
 - o a set of [Commands](#) (including the [Proof of Audit command](#))