

Changelog

All notable changes to technical instructions for EFD vendors will be documented on this page.

2026-01-21

Added

- Quick step-by-step guides for accrediting E-SDC and POS software and hardware, which can be found in the [For-ESDC-developers](#) and [For-POS-Developers](#) documents.

Updated

- Tax jurisdictions that require mandatory fields have been specified in [Create Invoice](#) and [Anatomy of a Fiscal Receipt](#).
- Overview of communication protocols for POS devices has been added to the section *Connecting with V-SDC and E-SDC service* in the [For POS Developers](#) document.
- General steps for accrediting both E-SDC and POS solutions have been moved to the [EFD Vendors](#) document, instead of being in a separate one, to ensure consistency and ease of understanding.

2025-10-27

Added

- A new command, Select PKI Applet, has been added to General Commands. See the [General Commands](#) document for more information.
- From **SE applet version 3.2.12**, the enforcement to check whether the SDC Time on an invoice is outside the secure element's certificate validity period (i.e., before the NotBefore limit or after the NotAfter limit) can be disabled/enabled. See [Secure Element Applet API](#) for more information.

Updated

- Secure Element Applet version information has been updated - see [Secure Element Applet API](#).

2025-10-08

Updated

- Number of tax categories that appear on the invoice changed from 26 to 12 - see [Fiscalization](#).

2025-08-25

Added

- From **SE applet version 3.2.10**, if the SDC Time on an invoice is outside of the secure element's certificate validity period (i.e., before the NotBefore limit or after the NotAfter limit), the secure element returns error code 0x6308 - [Secure Element Applet API](#) and [Secure Element Specific APDU Error Codes](#)

Updated

- Examples of invoices response for Refund-type invoices now contain the invoice filed **Total Refund** instead of **Total Purchase** - see [Normal Refund](#), [Advance Refund](#), [Copy Refund](#), [Proforma Refund](#) or [Training Refund](#)

2024-12-17

Added

- Instructions for extracting certificate expiration date - [Extracting Expiration Date from Digital Certificate](#)
- Instruction for E-SDC to verify the current date/time against certificate expiration date/time when fiscalizing invoices - see [Fiscalization of an invoice](#)
- New error code in POS-SDC communication protocol used by E-SDC to report that invoice can not be fiscalized with an expired certificate - see [Status and Error codes](#)

Updated

- Instructions for E-SDC not to execute the PIN Verify APDU command again as long as the communication session between the E-SDC and the smart card is open - see [Enter PIN to Unlock the Secure Element](#)
- Instructions for Invoicing System (POS) to preferably obtain configuration parameters from an SDC rather than TaxCore.API. See the pages below form more details:
 - [Configuration](#)
 - [Environments](#)
 - [Tax Rates](#)

2024-02-20

Updated

- Redesigned SE applet documentation and added commands for different versions with examples. See the pages below for more details:
 - [Secure-Element-Applet-API](#)
 - [General-Commands](#)
 - [Fiscalization](#)
 -

2023-09-19

Updated

- Displayed price in fields **unitPrice** and **totalAmount** - submitted by an invoicing system to an SDC, as part of the invoice request - should show the price after the discount is applied (if it exists). It must not include the value of the discount - see [Create Invoice](#).

2023-08-20

Updated

- Added invoice number field to audit package structure - see [Format of the Audit Package](#) and [Submit Audit Package](#)
- Added **Get Last Signed Invoice** and **Get PIN tries left** commands for communication between E-SDC and Secure Element - see [General Commands](#)

2023-03-14

Updated

- Description for the **expiresAt** property as a part of TaxCore.API response when requesting authentication tokens. The description now clearly states that the property is in UTC time - see [Request Authentication Token](#)

2022-12-22

Added

- New statuses for TaxCore API response to an E-SDC after submitting audit packages - see [Submit Audit Package](#)

2022-11-02

Added

- Note regarding possible implementation of non-standard strategy for issuing Proof of Audit, in certain tax jurisdictions - see [Proof of Audit](#)

2022-09-16

Added

- Explanation of the case when **0x6A80** error code is received after sending the **Sign Invoice** APDU command to the Secure Element Applet API - see [Secure Element Specific APDU Error Codes](#).

2022-09-02

Added

- Minimum and maximum values for date and time - see [Create Invoice](#) and [Date and Time](#)

2022-07-27

Added

- Notes regarding audit package deletion from E-SDC's local storage, after receiving a status response from TaxCore.API - see [Creating an Audit Package](#) and [Submit Audit Package](#)

2022-06-16

Changed

- Character encoding standard for the `buyerId` field in invoice request has changed from ASCII to Unicode - see [Create Invoice](#)
- Exact number of bytes (with different options) for all fields in [Create Verification URL](#)

2022-05-18

Changed

- Updated instructions for submitting payment amounts in the `payment` field of the invoice request - see [Create Invoice](#)
-

Export Internal Data APDU command was replaced by the *Export Audit Data* command - see [Audit](#)

2022-04-21

Changed

- Updated the description of the secure element error code **0x63FF** in [Secure Element Specific APDU Error Codes](#)

2022-04-11

Changed

- clarified the character encoding standard for fields `referentDocumentNumber` and `mrc` in [Create Invoice](#).

2022-04-07

Changed

- **UTC** standard is used only in the `sdcDateTime` value when [creating an audit package](#) to be sent to TaxCore.API.

2022-04-04

Changed

- Added clarification that the Reference time (field `referentDocumentDT`) must be submitted as the local date and time in ISO 8601 format - see [Create Invoice](#)

2022-02-08

Changed

- Updated the description of the content of the `{UID}.arp` file in [E-SDC Stores Audit Files on SD card or USB Drive](#)

2022-02-04

Changed

- Properties in the Audit Proof Request are now mandatory - see [Format of the Audit-Proof Request](#)

2022-01-31

Added

- RequestId in invoice request header is limited to 32 characters - see [Create Invoice](#)
- Note that the values for [SDC time](#) and all other fields used during invoice creation and submission must match in the audit package ([Submit Audit Package](#)), data forwarded to the Secure Element for digital signing ([Fiscalization](#)) and the Verification URL [Create Verification URL](#)

2022-01-24

Added

- List of important endpoints for development and production environments in Serbia in [Identification of Environments and Important Endpoints](#)

2022-01-14

Changed

- Updated minimal QR code size in [Create a QR Code](#).

2021-12-20

Added

- Added an extra column in [Secure Element Specific APDU Error Codes](#) (Error Code to POS) to create mapping between APDU error codes and the general error codes in [Status and Error Codes](#)

Changed

-

Enriched the description of status and error codes in [Verify PIN](#) service

2021-12-15

Changed

- Fields `omitQRCodeGen` and `omitTextualRepresentation` in invoice requests must use case case - see [Create Invoice](#)

2021-11-26

Changed

- Updated the recommendation for Audit Start frequency and enriched the explanation of different Audit cases in [Proof of Audit](#)

2021-11-18

Added

- A note that audit packages should be submitted continuously, regardless of the Audit cycle - see [Proof of Audit](#)

2021-11-09

Added

- Structure of files/folders for different file transfers during `Local Audit` in [File-Based Communication protocol](#)

Changed

- Enriched instructions for storing `last signed invoice(s)` when using E-SDC with multiple POSs and multiple Secure Elements - see [Get Last Signed Invoice](#)

2021-10-28

Changed

- Enriched instructions for dumping audit files from E-SDC to external memory units in [E-SDC Stores Audit Files on SD Card or USB Drive](#)

Added

- Specification for AES encryption in [Creating an Audit Package](#)

2021-10-22

Changed

- Updated the number of bytes for the ARP file in [Audit Process](#)

2021-10-19

Changed:

- Updated maximum length for the `buyerCostCenterId` field in [Create Invoice](#)
- Renamed command `Get Api Version` into `Get Secure Element Version` in [General Commands](#)
- Updated description of the format for the fields `Taxpayer ID` and `Buyer ID` in [Fiscalization](#) commands

Removed

- Designation **optional** for model elements in [Submit Audit Request ARP](#). All elements are now described as mandatory.
- `Get Audit Version` command from [General Commands](#)

2021-10-14

Changed:

- Added `64bit unsigned` designation for `sum` and `limit` integer values in [Format of the Audit Proof Request](#) and [Submit Audit Request Payload - ARP](#)
- Moved the content of the article **Commands Execution Result** into its parent article [Commands](#)
- Renamed all child articles in [Commands](#) for better clarification

2021-10-01

Changed:

- Redefined `cashier` as an optional field for Invoice Request in [Create Invoice](#)
- Removed `Content-Type` element from HTTP header for all GET operations

2021-09-22

Changed:

Updates in [Verify PIN](#) service:

- Quotation marks are removed from example

2021-09-20

Added:

- Note about different scenarios of POS submitting RequestID to E-SDC and its connection to using the [Get Last Signed Invoice](#) command
- *Export Internal Data* APDU command in [Audit](#)

2021-09-16

Added:

- Changelog page
- New status code (2110) as a possible response for [Verify PIN](#) service
- Updates in [Get Status](#) service:
 - new response fields in the table (*currentTaxRates* and *allTaxRates*)
 - response model
 - response example with E-SDC
- Added definitions for minimum and maximum field length for Invoice Request in [Create Invoice](#)
- Request model in [Submit Audit Request Payload - ARP](#)
- Table with mandatory and optional usage of the [Reference Number](#)

Changed:

- Fixed broken links on the [EFD Vendors](#) page
- Property examples in [Error Messages Format](#)
- Updates in [Create Invoice](#):
 - V-SDC endpoint example
 - description of the *Accept-Language* header for Invoice Request
- Updated explanation and examples for tax calculation algorithm in [Calculate Taxes](#)
-

Updated field descriptions in [Format of the Audit Package](#) and [Format of the Audit-Proof Request](#)

Removed:

- *Export Internal Data* APDU command in [Audit](#)