Extracting Taxpayer Identification Number (TIN) from Digital Certificate

Digital certificate exported using the *Export Certificate* APDU command (in DER format) contains taxpayer TIN and POS location (Shop or HQ Address that shall appear on the textual representation of the invoice).

TIN is stored in the digital certificate as an OID value. OID is dynamically created during a smart card personalization and depends on the target environment. The Test and Production environments will have different OIDs.

In order to use the same E-SDC with the Test and Production environments, the correct OID has to be constructed using the following procedure:

- 1. Get the certificate using the Export Certificate APDU command;
- 2. Read value of EnhancedKeyUsage (for example, 1.3.6.1.4.1.49952.5.2.3.3);
- 3. The fourth and the third integer to the right identify the environment;
- 4. Construct the OID that contains TIN, by replacing stars with the numbers using the following pattern 1.3.6.1.4.1.49952...6;
- 5. For this example, resulting OID will be 1.3.6.1.4.1.49952.5.2.6;
- 6. Read the value of resulting OID containing Taxpayer TIN.

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 Enhanced Key Usage Certificate Policies 1.3.6.1.4.1.49952.5.2.5 1.3.6.1.4.1.49952.5.2.6 Subject Key Identifier 				Client Authentication (1.3.6.1 [1]Certificate Policy:Policy Ide 68 74 74 70 73 3a 2f 2f 62 61 39 31 37 39 31 31 35 31 38 ff 2a cb 5b 8c 1c 07 e7 12 f4 8				
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