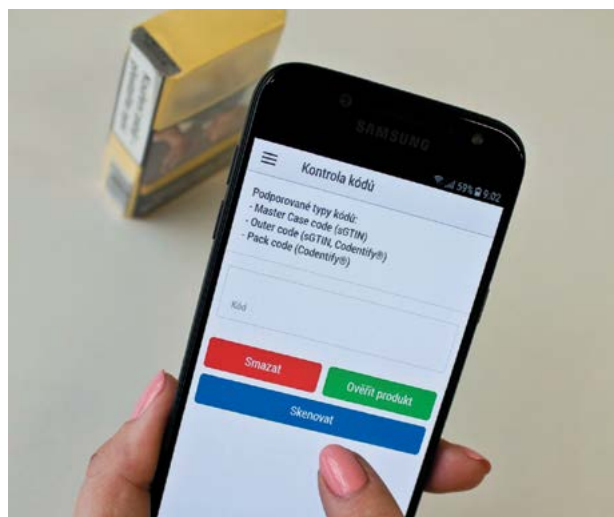


STC

Digital services



TRACK&TRACE (tobacco products)

Digital labelling of tobacco products is the application of a unique identifier in digital code format to the packaging of a product during its manufacture. The digital code is unique to the product and contains anti-forgery security measures. This identification allows subsequent tracing of the movement of the specific product shipped from the manufacturer to the first retailer. On the basis of a government resolution, STC has been appointed as the public issuer of unique tobacco product identifiers for the Czech Republic within the meaning of Article 3 of Commission Implementing Regulation (EU) 2018/574 of 15 December 2017 on technical standards for the establishment and operation of a traceability system for tobacco products. From May 2021, the role of STC is enshrined in the Food Act.

DIGITAL TACHOGRAPH

The digital tachograph project has been implemented by STC for the Ministry of Transport since March 2018 and it comprises two basic areas. It is the production and personalisation of the cards used in the digital tachograph system of the Czech Republic.

We produce four types of cards: driver cards, workshop cards, company cards and control cards. The other area of the project is the provision of services for the operation, support and development of the digital tachograph information system, which is classified as an important public administration information system.

DEVELOPMENT PROJECTS

Track&Trace (other products)

We currently operate the TRACK&TRACE system for tobacco production, but its use for other products, or parts of industry, is readily available, from meat to fertilisers to, for example, explosives or pharmaceuticals. The point is that one central authority distributes the registration codes to all entities involved in production, distribution,

storage and sale. This authority then generates unique codes that are applied by manufacturers and importers to the products. The whole system is closed by each link in the process reporting the movement of these products to a central repository. As a result, whenever you load the code of a given product (barcode, DOT code, QR code), you can use a query to the central repository to learn the complete CV of the product (when and by whom it was produced, where it was transported, how it was stored...).

Why also use Track and Trace for other commodities?

- The system provides protection for the final consumer,
- increases customer confidence in the brand, manufacturer or supplier,
- the system provides protection of the market and the state (prevents circumvention of laws, collection of customs and excise duties, etc.)
- a substantial part of the product life cycle is conclusive and easily traceable

Biometric kiosks

STC, in cooperation with its partner, is exploring the possible use of biometric kiosks to modernize and streamline the interaction of citizens with officers (and thus the administrative process). These biometric kiosks can be applied very effectively in two basic areas. The first area is identifying a person with a biometric document – the kiosk can compare and evaluate the biometric data in the document with the information obtained from the cameras and fingerprint scanner in the kiosk. An even more interesting area is the use of kiosks for the collection of citizens' biometric data, whereby citizens, after being identified, can relatively easily transmit their biometric data through the kiosks to apply for a document, a solution increasingly used abroad. The possibilities of cooperation with potential customers for pilot projects in the Czech Republic are currently being explored.

European Digital Identity Wallet

The European Digital Identity Wallet (EUDIW) is a digital tool that allows EU citizens to securely store and manage their personal data, documents and certificates in digital form. It can take the form of a mobile app or a web app in the cloud. This tool will make it easier for citizens to prove their identity both online and in person, when dealing with authorities as well as with private companies across the EU. The implementation of the EUDIW follows from Regulation (EU) 2024/1183 of the European Parliament and of the Council and the responsibility for its implementation in the Czech Republic lies with the Digital and Information Agency (DIA). STC participates in the implementation of this project in cooperation with the DIA, discussing the possibilities of its involvement in the EUDIW ecosystem, especially in the area of the initial issuance of the digital identity of the wallet holder (so called – „on boarding“).

Digital Travel Credentials (DTC)

Digital Travel Credentials (DTCs) are electronic versions of physical passports that can be stored securely on mobile devices. DTCs contain authenticated passport data, allowing airports and airlines to verify the identity of passengers, for example by using facial recognition systems. The introduction of DTCs significantly speeds up the check-in processes at airports, allowing passengers to pass through security checks more quickly, reducing waiting times and increasing check-in efficiency. STC, in cooperation with the Directorate of the Foreigners Police Service (ŘSCP), is involved in the implementation of a pilot project aimed at implementing the functionality of generating DTCs and their subsequent practical use within the processes related to checking-in of passengers as part of cross-border traffic at Václav Havel Airport.



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