

Border Control Application

For Stationary and Mobile Use



secunet bocoa provides at a glance all the relevant results from visual and electronic document checks, from background checks, and biometric data comparisons – at stationary and mobile workstations as well as on smartphones.

The number of persons to be checked at national borders having travelled by land, sea and air continues to rise. This causes longer queues at border control. At the same time, various international treaties and EU regulations, such as the introduction of the EU Entry/Exit System (EES), require ever more precise, more extensive checks for document authentication and the identification of individuals. To optimise the checking process at border control desks and also during mobile police operations, secunet has developed the border control application bocoa.

secunet bocoa provides all data at a glance

When performing border control or identity checks, travel documents with and without biometric features need to be inspected, and fingerprints need to be taken, analysed and checked against various background check systems such as AFIS systems (including Fast-ID, VIS, EURODAC). The more extensive the inspection of the documents and persons, the longer the process takes of course. Given the international growth in passenger numbers, this challenges border control authorities considerably. In addition, domestic policy changes, such as the terror threats and the international increase in migration, mean that police forces will also have to rely on software-based, compact systems for the reliable identification of persons

“in the field.” secunet bocoa is an efficient tool that addresses this situation. For every official application requiring the secure identity confirmation, the software provides at a glance all the relevant results from visual and electronic document checks, from background checks, and biometric data comparisons. The intuitive user interface compiles the results of checks from different devices and sources into a single on-screen display – at stationary and mobile workstations as well as on smartphones.

With a clear breakdown that reduces the data down to essential information, coloured highlighting of errors and deviations, the use of icons to facilitate recognition and a traffic light system to display check results, border control personnel have a convenient and easy-to-use interface at hand. In addition to the desktop version, secunet bocoa is also available for tablets and smartphones and thus allows the use in mobile police applications.

With the introduction of EES, secunet bocoa is further used at stationary border control for processing of data originating from the traveller’s pre-registration at the self-service kiosks. The intuitive, modern and well-structured user interface supports police officers in the best possible way in their decision-making-process. It significantly speeds up the processing times for border control and identity checks. As a result, border police and police forces in mobile operations can fully concentrate the individual person.

Benefits

- Faster identity checks for border control and mobile police operations
- Provides relevant data needed to perform a check, at a glance, from a variety of systems
- Meets future requirements due to standard compliance



A perfect combination of application and middleware

The secunet biomiddle software is the tried-and-tested basis of modern border control infrastructures. The middleware serves as the interface between all of the system's components, for example passport readers and fingerprint readers. In its capacity as the standard-compliant core component it also facilitates the efficient adaptation to changing market requirements and technological advances, thus ensuring a flexible, future-proof system architecture.

secunet boca is the border control user interface that is perfectly attuned to this middleware's functions. All of the most common passport readers and biometric readers on the market are supported. As part of the secunet border gears product portfolio, secunet boca, like all border control solutions from secunet, adapts easily to individual requirements and specific purposes.

secunet boca

- is a field-proven solution and provides border control officers with day-to-day support in their work
- can be adapted to customer needs quickly and cost-effectively e.g. in terms of integration with background systems, user authentication or logging
- is available for stationary border controls (desktops) and mobile controls (tablets, smartphones with NFC)
- supports smartphone security protocols, e.g. Samsung Knox and VPN connections to high-security SINA infrastructures
- is compliant with relevant standards and directives, e.g. BSI TR-03135

Features

- Optical and electronic document checks
- Checks visas and residence permits
- Background check queries for various databases (SIS, VIS, Interpol, national databases)
- Capturing of fingerprints for biometric verification of visas, electronic passports and national IDs
- Consistency checks: visual vs. electronic, passport data vs. visa data vs. VIS etc.
- Preparation of detailed reports for border control statistics
- Enrolment and verification in Entry/Exit Systems (e.g. EU EES)
- Customer-specific extensions

References



The latest generation of border control – Europe's most modern border control system for Zurich Airport

In order to enable EU regulations to be implemented in the longterm, the higher passenger numbers to be effectively managed and the control process at the external borders of the Schengen Area to be made more intuitive, Zurich's Cantonal Police commissioned secunet to be the general contractor for the "Greko NG" project to deliver a new, modular border control system for its roughly 100 workstations at Zurich Airport.

The existing technical border control infrastructure was replaced entirely. secunet biomiddle is the core component for the new solution. This middleware is the interface between the passport and fingerprint readers, the border control application and the background check systems, and due to its standard compliance secunet biomiddle also ensures the modularity of the overall solution.

The border control application secunet bocoa, an entirely new development by secunet that has been adapted to the needs of Zurich's Cantonal Police, is the highlight of the system. With the ergonomic design of the control system's user interface, the border control enforcement officers have constant access to all key data when performing identity checks. The system assists them throughout the control process and reduces the workload of the border control officers as they perform their official security duties.

With this border control system, the electronic and visual data of all official machine-readable identity documents is comprehensively checked. The modular nature of the border control system enables the Zurich Cantonal Police to implement future Schengen projects such as the "Entry/Exit System" (EES) effortlessly.

“The modern design of the system interface with logical, process-centric user guidance is impressive and helps to motivate border control personnel at Zurich Airport.”

Heinz Lusti
Project Head Greko NG of the Zurich Cantonal Police,
Airport Staff Department

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