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The Q-Gate automated biometric system allows passengers to clear security in under 15 seconds. Since 2024, a fully-fledged automated passport control system has been officially operational at the international airports in Astana and Almaty.

Eight automatic gates have been installed in each of the departure and arrival halls.

The system is integrated with the passport control information system and the automated system for collecting data on air passengers (API/PNR).

In addition to airports, automated control is also used at land border crossing points. The Q-Gate system has been implemented at the borders with Kyrgyzstan, Uzbekistan and Russia.



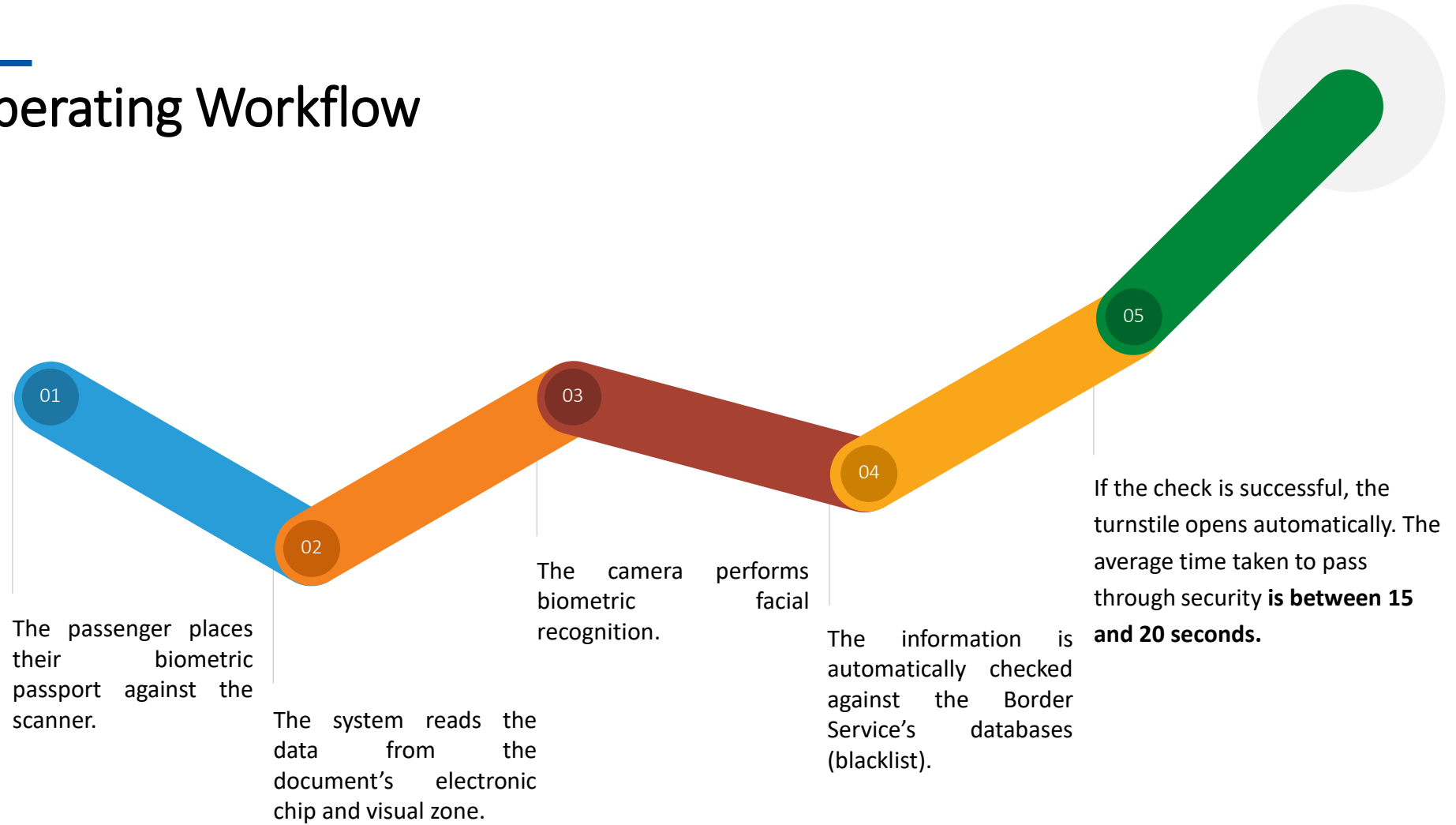
Key features and operating principles of the automated boarding control system (ABCs) in use:

Components: The ABCs comprises a document scanner, a boarding pass scanner, **a facial recognition camera** and automatic gates that open following successful verification;

Identification: The ABCs automatically scans the boarding pass and travel document, verifies its authenticity and **takes a photo in real time**, comparing it with the passport chip;

Benefits: enhanced security, reduced risk of document forgery, automation of the control process, reduced queues for citizens of the Republic of Kazakhstan at airports, and detection of fraud attempts.

Operating Workflow





At present, access via the system is restricted to citizens of Kazakhstan who hold biometric passports and are not subject to travel restrictions.

Persons with disabilities and minors are not permitted access. This is to prevent the illegal removal of minors from the Republic of Kazakhstan.

Future Prospects



Expanding the use of Q-Gate at all international airports (in the cities of Shymkent, Aktau, Atyrau and Aktobe).

The use of artificial intelligence for risk analysis.

Processing foreign nationals.
Integration with e-visas and the ETA system.

Conclusion

- Q-Gate ABCs delivers rapid, secure automated border control across Kazakhstan's airports.
- Continued integration, staff training, and addressing privacy and interoperability will maximize operational benefits and public trust.

Thank You

