ARINC Automated Border Control (AABC)

Designed to provide passengers with a fast-track for border crossing, Rockwell Collins’ ARINC Automated Border Control (AABC) delivers a cutting-edge user experience while performing some of the toughest and securest checks ever. AABC’s modern facial recognition technology enables the same passport checks as a human immigration officer—in just a few seconds.

AABC is robust and safe, with a proven track record of four years live deployment and millions of passengers cleared in Europe. It aligns with current strategic electronic border initiatives, supports the existing tight security rings and complies with the inspection processes already in place, all while keeping border traffic moving as efficiently as possible.

Key Benefits

- Small footprint and modular configuration which adapts easily to all architectural constraints imposed by the border
- Self-contained gate system allowing easy installation and requiring minimal infrastructure preparation
- Visually transparent elements allow a line of sight through barriers while integrating a secure zone
- Central monitoring and management system with integrated intelligent video surveillance per gate
- Automatic height adjustable sensors and controlled lighting conditions for ICAO compliant capture and matching

Functional specifications

- **Passenger handling** – optimised for fast throughput, optionally with audio feedback and touch-screen based input
- **Border security** – double barrier with secure zone providing tailgating, liveness and abandoned objects
- **Passenger identification** – Multiple biometric (face and/or finger) matching of chip data versus live captured data
- **Passenger eligibility** – Through MRZ (age, nationality, boarding pass)
- **Document verification** – ICAO compliance, BAC, EAC, certificate checks, template match, ultraviolet fluorescence, IR reflectance
- **Background checks** – watch list, Schengen, FBI, Visa, Trusted Traveller, APIS
- **Document compatibility** – MRTD (chipped, un-chipped), boarding pass, double-sided ID card

Learn more at rockwellcollins.com/arinc/airports
About Rockwell Collins

Rockwell Collins is a pioneer in the development and deployment of innovative communication and aviation electronic solutions for commercial and government applications. Our ARINC information management services offer seamless, secure and reliable solutions to customers in the aviation & airport, rail and critical infrastructure sectors and enables mission-critical data and voice communications and management throughout the world.

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