



### Benefit

The QA Reader can be used immediately after document personalization to ensure that the document is conformant to applicable standards. It can serve as an early-warning system to alert operators in case that something in the personalization workflow is not working as intended, thus reducing the chance of improperly personalized documents leaving the premises.

The IBM QA Reader is also useful as a diagnostics tool, for example, in case of failures due to problems with chip hardware, or incorrect/expired cryptographic material being used during the personalization process.

### Key Features

- ☑ Support for **contactless chips** (ISO 14443).
- ☑ Support for **ICAO's Doc 9303** compliant Machine Readable Travel Documents, e.g. passports, visas, and residence permits.
- ☑ Support for **Basic Access Control** (BAC).
- ☑ Support for **Extended Access Control** (EAC).
- ☑ **Customizable rule sets** depending on the document type.
- ☑ **Secure storage of credentials** required to access and validate on-chip data.
- ☑ **Key and Certificate management**, e.g., required for Passive Authentication (Doc 9303) and Terminal Authentication (EAC).

- ☑ Support of **user roles**: operator, administrator, crypto-custodian.
- ☑ **Validation of the card's Machine Readable Zone** (MRZ).
- ☑ **Comparison** of printed card information with data stored on the chip.
- ☑ **Simple user interface** designed to minimize operator interaction.
- ☑ **Touch sensitive screen** to facilitate operator interaction and avoid peripheral clutter.
- ☑ Display of **optical captures from the document** taken under visible, ultraviolet, and infrared light\*.
- ☑ Display of **photo from chip\*\***.
- ☑ Display of **fingerprints from chip** (partially obfuscated)\*\*.
- ☑ **Default high-level views of QA results**.
- ☑ **Detailed validation diagnostics** available for root-cause validation failure analysis.
- ☑ Detailed report of **information retrieved from the chip** available for browsing.
- ☑ Detailed report of **validation tasks** executed by the terminal.
- ☑ Report of **performance indicators** gathered during the interaction with the document.

### To learn more:

[secure-readers@zurich.ibm.com](mailto:secure-readers@zurich.ibm.com)

*\*The precise amount of captures depends on the capabilities of the Document Scanner.  
\*\*Provided that the document under inspection contains this information stored using a well known standard, e.g. ICAO's Doc 9303.*



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