

Security Assessment Certificate

Accu-Chek® SmartGuide device

Roche Diabetes Care GmbH · Sandhofer Straße 116 · 68305 Mannheim · Germany

The Accu-Chek® SmartGuide device – FW 8.1.0 – has passed the security assessment.

Two **security assessments** of the **Accu-Chek® SmartGuide device** were conducted by NewTec GmbH: a **multi-phase full-scope grey-box security assessment** for **FW 8.0.0** and a **grey-box delta security assessment** covering only the documentation and implementation differences between **FW 8.0.0** and **FW 8.1.0**, including targeted re-testing of the affected external interfaces. Unchanged aspects were not re-assessed for the latter.

Based on the security context analysis conducted at the beginning of the assessment, the security evaluations were performed with the following, respectively highlighted scope:

- **Duration of Security Assessment:** 6 months (**FW 8.0.0**) / 5 weeks (**FW 8.1.0**)
- **Security Assessment Team:** Cross-functional team consisting of:
 - One **Threat Modeling and Security Requirements Engineer** (only **FW 8.0.0**)
 - One **Penetration Tester**
 - One **Developer / Penetration Tester** with specialized expertise in **Bluetooth® Low Energy (BLE)**

Summary:

NewTec confirms that the changes in FW 8.1.0 do not adversely affect the security properties established for FW 8.0.0, when used as intended and as described in the user guidelines:

- The cryptographic mechanisms for secure key exchange and data integrity remain effective.
- The protection of the Bluetooth® interface against passive eavesdropping and MITM attacks is unaffected by the changes.
- The protection of device assets through identification, authentication, integrity checks and encryption is maintained.
- **No critical vulnerabilities** were introduced and no new attack surface was identified.

Validity:

- Product Version: **Accu-Chek® SmartGuide device - FW 8.1.0**
- Certificate Number: 26-0004
- Finalization of Delta Security Assessment: Aug 2026
- Issued: Aug 2026
- Valid Until: Feb 2028

Note:

This certificate applies only to the tested configuration and the assessed changes. It assumes compliance with the manufacturer's instructions.

Matthias Lai, Head of Security Testing, NewTec GmbH