



**International
Standard**

ISO 9564-2

**Financial services — Personal
Identification Number (PIN)
management and security —**

**Part 2:
Approved algorithms for PIN
encipherment**

*Services financiers — Gestion et sécurité du numéro personnel
d'identification (PIN) —*

Partie 2: Algorithmes approuvés pour le chiffrement du PIN

**Fourth edition
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Foreword

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This document was prepared by Technical Committee ISO/TC 68 *Financial services*, Subcommittee SC 2, *Financial services, security*.

This fourth edition cancels and replaces the third edition (ISO 9564-2:2014), which has been technically revised.

The main changes are as follows:

- in this revision, Rivest-Shamir-Adleman algorithm (RSA) can be also be used for PIN encryption during PIN issuance and change over open networks;
- SM4 has been added as an additional 16-byte block cipher;
- ECIES has been added as an option for offline PIN encryption to an IC card;
- a new appendix has been added to provide guidance on using asymmetric techniques to transport an ephemeral symmetric PIN encryption key.

A list of all parts in the ISO 9564 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.