

ISO/IEC 24789-2**Identification cards — Card service life —****Part 2:
Methods of evaluation**

*Cartes d'identification — Durée de vie des cartes —
Partie 2: Méthodes d'évaluation*

**Second edition
2024-01**

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and security devices for personal identification*.

This second edition cancels and replaces the first edition (ISO/IEC 24789-2:2011), which has been technically revised.

The main changes are as follows:

- all methods have been revised to bring them to the latest technical status;
- additional details are defined in the method ICM adhesion;
- plasticizer changed from DOP to DOTP;
- temperature humidity cycling method is replaced by temperature and exposure with humidity variation;
- temperature and humidity aging followed by peel strength is deleted;
- ID-card static bending stress method is added;
- temperature and humidity induced dye migration method is added to the informative [Annex A](#);
- mechanical life cycle sequence for contactless cards is added to the informative [Annex A](#).

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This document provides methods of evaluation of identification (ID) card service life. These methods of evaluation complement the application profiles and requirements defined in ISO/IEC 24789-1 which are intended to be used by card issuers, card manufacturers and card component suppliers to represent the comparative rigour of various ID card service life applications. They provide a means for ranking and comparing the main factors affecting ID card service life in a manner that is amenable to evaluation using the methods defined or referenced in this document.

NOTE For the convenience of certain users, non-SI equivalents are given for some quantity values where these are in common use in the ID card industry. These equivalents appear in parenthesis and are for information only.