

ISO/IEC 24789-1:2024-01 (E)

Identification cards - Card service life - Part 1: Application profiles and requirements

Contents		Page
Foreword	.....	iv
Introduction	.....	v
1 Scope	.....	1
2 Normative references	.....	1
3 Terms, definitions and abbreviated terms	.....	1
3.1 Terms and definitions	.....	1
3.2 Abbreviated terms	.....	2
4 Determination of the card application profile	.....	2
4.1 General	.....	2
4.2 Determining application profile variable values	.....	3
4.3 Converting classes as defined in 24789-1:2012 (the previous edition of this document) into application profile coefficients as defined in this document	.....	3
5 Inputs to card life requirements	.....	4
5.1 General	.....	4
5.2 Card functional elements	.....	4
5.3 Expected card life	.....	4
5.4 Card use frequency	.....	4
6 Card tests	.....	4
6.1 General	.....	4
6.2 Stand-alone test methods	.....	4
6.3 Single iteration sequential test methods	.....	5
6.4 Multiple iteration sequential test methods	.....	5
7 Card functional elements supported by this document	.....	5
7.1 Visual personalization	.....	5
7.1.1 General	.....	5
7.1.2 Surface printing	.....	5
7.1.3 Raised surfaces	.....	6
7.1.4 Laser marking	.....	6
7.2 Card, independent of personalization	.....	6
7.2.1 General	.....	6
7.2.2 IC cards with contact interface	.....	6
7.2.3 IC cards with PICC or VICC interface	.....	6
7.2.4 Cards with magnetic stripe	.....	6
8 Card testing and requirements	.....	6
8.1 General	.....	6
8.2 Cards for testing	.....	7
8.3 Card testing and requirements	.....	7
8.3.1 General	.....	7
8.3.2 Stand-alone test methods	.....	9
8.3.3 Single iteration sequential test methods	.....	13
8.3.4 Multiple iteration sequential test methods	.....	15
9 Visual examination	.....	17
Annex A (informative) Additional exposure methods	.....	19
Bibliography	.....	21