

ISO/IEC 24789-2:2024-01 (E)

Identification cards - Card service life - Part 2: Methods of evaluation

Contents		Page
Foreword		v
Introduction		vi
1 Scope		1
2 Normative references		1
3 Terms and definitions		2
3.1 Terms and definitions		2
3.2 Abbreviated terms		2
4 Default items applicable to the evaluation methods		2
4.1 Test environment		2
4.2 Pre-conditioning		2
4.3 Default tolerance		3
4.4 Total measurement uncertainty		3
5 Test methods		3
5.1 Surface abrasion		3
5.1.1 General		3
5.1.2 Apparatus		3
5.1.3 Procedure		3
5.1.4 Test report		5
5.2 Magnetic stripe abrasion		5
5.2.1 General		5
5.2.2 Apparatus		6
5.2.3 Procedure		6
5.2.4 Test report		7
5.3 Adhesion of ICM to card — Wrapping test		7
5.3.1 General		7
5.3.2 Apparatus		7
5.3.3 Procedure		8
5.3.4 Test report		9
5.4 Adhesion of ICM to card — Push test		9
5.4.1 General		9
5.4.2 Apparatus		9
5.4.3 Procedure		10
5.4.4 Test report		11
5.5 Adhesion of ICM to card — Pull test		11
5.5.1 General		11
5.5.2 Apparatus		11
5.5.3 Procedure		11
5.5.4 Test report		12
5.6 Plasticised vinyl storage		12
5.6.1 General		12
5.6.2 Apparatus		12
5.6.3 Procedure		13
5.6.4 Test report		13
5.7 Temperature and humidity aging		14
5.7.1 General		14
5.7.2 Apparatus		14
5.7.3 Procedure		14

5.7.4	Test report.....	14
5.8	Temperature and exposure with humidity variation.....	14
5.8.1	General.....	14
5.8.2	Apparatus.....	14
5.8.3	Procedure.....	14
5.8.4	Test report.....	15
5.9	ID-1 card flexure.....	15
5.9.1	General.....	15
5.9.2	Apparatus.....	15
5.9.3	Procedure.....	15
5.9.4	Test report.....	15
5.10	Cross cut tape test.....	16
5.10.1	General.....	16
5.10.2	Apparatus.....	16
5.10.3	Procedure.....	16
5.10.4	Test report.....	18
5.11	Additional test methods regarding mechanical strength.....	18
Annex A (informative) Additional tests.....		19
Bibliography.....		36