

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