

ISO/IEC 15423:2009-11 (E)

Information technology - Automatic identification and data capture techniques - Bar code scanner and decoder performance testing

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Abbreviated terms	5
5	Categories of scanning equipment	5
5.1	Scanners with single-axis reading diagram	6
5.2	Scanners with two-axis reading diagram	6
5.3	Scanners with three-axis reading diagram	6
6	Test requirements	6
6.1	Test methods	6
6.2	Selection of equipment for testing	7
6.3	Test conditions	7
6.4	Test charts	7
6.5	Test equipment	15
6.6	Test criteria	15
6.7	Parameters to be tested and test methods	16
6.8	Test report	26
7	Certification and labelling	26
8	Equipment specification	27
8.1	General	27
8.2	Scanner/decoder interface	28
8.3	Human interface	28
8.4	Computer interface	28
8.5	Digital input and output (I/O)	29
8.6	Programming and configuration	29
Annex A (normative) General operational requirements		30
Annex B (informative) Classification of scanners		31
Annex C (informative) Example of decodability calculation		37
Bibliography		39