ISO/IEC 29133:2010-05 (E)

Information technology - Automatic identification and data capture techniques - Quality test spe cification for rewritable hybrid media data carriers

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 2

3 Terms and definitions 2

4 Symbols and abbreviations 2

5 Hybrid media functions and process description 3

6 Conformance tests for the Rewritable Media system 3
6.1 General 3
6.2 Product conformance 3
6.3 Process control factors 4
6.4 Process control methods 5

7 Conformance tests for RFID tag component 6
7.1 General 6
7.2 Product conformance 6
7.3 RFID performance testing 6
7.4 Process control methods 7

8 Conformance considerations to integrate the different data carrier technologies 8
8.1 Overview 8
8.2 Data and memory mapping considerations 8
8.3 Processing the RFID air interface commands 8
8.4 Locking of data on the RFID tag 8
8.5 Erase and rewrite cycle: RFID implications 8
8.6 RFID and sensors 9
8.7 Co-ordinating the data flows 9

Annex A (informative) Example of Rewritable Hybrid Media Data Carrier 10

Annex B (informative) In-line quality evaluation mechanism 12

Annex C (informative) Process control method to estimate the end of life 14

Annex D (informative) Operational flowcharts 16

Bibliography 20