ISO 28560-3:2024-10 (E)

Information and documentation - RFID in libraries - Part 3: Fixed length encoding

Contents

Page

Foreword ..... **v**

Introduction ..... **vi**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Requirements **3**
4.1 Data elements 3
4.2 RFID air interface 3
4.2.1 Air interface conformance 3
4.2.2 Tag performance 3
4.3 Data protocol 3

5 General encoding rules **3**
5.1 Distinguishing from other applications and encodings 3
5.2 Writing/reading direction 4
5.3 Memory area layout 4
5.3.1 Specifications 4
5.3.2 Layout for tags greater than 32 bytes 4
5.3.3 Layout for 32-byte tags 4
5.4 Strings and integers 4
5.4.1 String encoding 4
5.4.2 Integer encoding 5
5.5 Writing the tag 5
5.5.1 Cyclic redundancy check (CRC) 5
5.5.2 Unused space 5
5.5.3 End of tag 5
5.6 Reading optimization 5
5.7 Profiling 5
5.8 Locking 5

6 Data elements **5**

7 Data blocks **9**
7.1 Types of data blocks 9
7.2 Basic block 9
7.3 Special blocks 11
7.4 Structured extension blocks 11
7.4.1 Usage of structured extension blocks 11
7.4.2 Format of structured extension blocks 12
7.4.3 Length 12
7.4.4 Data block ID 12
7.4.5 Checksum 12
7.5 Library extension block 13
7.6 Acquisition extension block 13
7.7 Library supplement block 14
7.8 Title block 14
7.9 ILL block 15
7.10 Unstructured extension blocks 15
7.10.1 Usage of unstructured extension blocks 15
7.10.2 Format of unstructured extension blocks 16

8 Miscellaneous **16**
8.1 Migration 16
Annex A (informative) **Information about ISO 28560 RFID in libraries** **17**
Annex B (informative) **Encoding examples** **18**
Annex C (informative) **Cyclic redundancy check (CRC)** **22**
Annex D (informative) **Reading optimization** **23**
Annex E (informative) **Guidelines for regional profiling** **24**
Bibliography **25**