

# ISO 28560-3:2023-04 (E)

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

<b>Contents</b>		<b>Page</b>
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 .....	3
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