

ISO 28560-2:2014-08 (E)

Information and documentation - RFID in libraries - Part 2: Encoding of RFID data elements based on rules from ISO/IEC 15962

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Applicability and relationship with other systems	3
5	Requirements	5
5.1	Data elements	5
5.2	RFID air interface	5
5.3	Data protocol	5
5.4	RFID readers	5
6	Data elements	5
6.1	General	5
6.2	Primary item identifier	7
6.3	Content parameter	8
6.4	Owner institution (ISIL)	8
6.5	Set information	9
6.6	Type of usage	9
6.7	Shelf location	9
6.8	ONIX media format	9
6.9	MARC media format	9
6.10	Supplier identifier	9
6.11	Order number	9
6.12	ILL borrowing institution	9
6.13	ILL transaction number	10
6.14	GS1 product identifier	10
6.15	Alternative unique item identifier	10
6.16	Local data	10
6.17	Title	10
6.18	Product identifier (local)	11
6.19	Media format (other)	11
6.20	Supply chain stage	11
6.21	Supplier invoice number	12
6.22	Alternative item identifier	12
6.23	Alternative owner institution	12
6.24	Subsidiary of an owner institution	12
6.25	Alternative ILL borrowing institution	12
6.26	Other reserved data elements	12
7	Data encoding	12
7.1	Data protocol overview	12
7.2	Data constructs	13
7.3	ISO/IEC 15961-1 commands and responses	14
7.4	ISO/IEC 15962 encoding rules	15

8	RFID tag requirements	20
8.1	Air interface protocol	20
8.2	Bit and byte sequence	21
8.3	Air interface conformance	23
8.4	Performance	23
9	Data integrity, security, and privacy issues	23
9.1	Data integrity	23
9.2	Item security	23
10	Implementation and migration	24
	Annex B (normative) Relevant ISO/IEC 15961-1 application commands	26
	Annex C (normative) Pre-encoding the ISIL	29
	Annex D (informative) Encoding examples	34
	Annex E (informative) Implementation and migration	39
	Bibliography	42