

ISO/IEC 18000-7:2014-09 (E)

Information technology - Radio frequency identification for item management - Part 7: Parameters for active air interface communications at 433 MHz

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Conformance	1
2.1 RF emissions general population	1
2.2 RF emissions and susceptibility health care setting	1
2.3 Command structure and extensibility	1
2.4 Mandatory commands	2
2.5 Optional commands	2
2.6 Custom commands	2
2.7 Proprietary commands	2
3 Normative references	2
4 Terms and definitions	3
5 Symbols and abbreviated terms	3
6 433,92 MHz active narrowband specification	3
6.1 Physical layer	3
6.2 Data Link layer	4
6.3 Tag commands	16
6.4 Tag collection and collision arbitration	50
6.5 Multi-packet UDB Collection	53
6.6 Physical and Media Access Control (MAC) parameters	55
6.7 Security architecture	59
7 Extended Mode	78
7.1 General description	78
7.2 Physical (PHY) Layer	81
7.3 MAC Layer	86
7.4 Application layer Framework	111
188 Annex B (informative) Derivation of Session Key KS Using SHA-1	190
Annex C (informative) Overview of PKI and Digital Certificates	191
Bibliography	202