

ISO/IEC 15961-4:2016-08 (E)

**Information technology - Radio frequency identification (RFID) for item management:
Data protocol - Part 4: Application interface commands for battery assist and sensor
functionality**

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Conformance	2
4.1 General	2
4.2 Conformance of the Sensor Processor	2
4.3 Application conformance	2
5 Logical interface model	3
5.1 General	3
5.2 Application commands	3
5.3 The sensor information model for full function sensors	3
5.4 The sensor information model for simple sensors	4
6 Simple sensor commands	5
6.1 Current air interface reference	5
6.2 Memory mapped simple sensors	5
6.3 Ported simple sensors	6
6.3.1 Write-Sample-And-Configuration-Record	6
6.3.2 Read-Simple-Sensor-Data-Block	8
6.3.3 Other simple sensor commands	10
7 Full function sensors	10
7.1 General	10
7.2 Write-Sample-And-Configuration	11
7.2.1 Write-Sample-And-Configuration command	11
7.2.2 Write-Sample-And-Configuration response	14
7.3 Read-Alarm-Status	15
7.3.1 Read-Alarm-Status command	15
7.3.2 Read-Alarm-Status response	16
7.4 Read-Event-Record-Segments	17
7.4.1 Read-Event-Record-Segments command	17
7.4.2 Read-Event-Record-Segments response	19
7.5 Other full function sensor commands	24
Bibliography	25