

ISO/IEC 23005-5:2013-06 (E)

Information technology - Media context and control - Part 5: Data formats for interaction devices

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	2
3	Terms, definitions, and abbreviated terms	3
3.1	Terms and definitions	3
3.2	Abbreviated terms	3
4	Interaction Information Description Language	3
4.1	Introduction	3
4.2	Schema wrapper conventions	3
4.3	Root element and top-level tools	4
4.4	Device commands	10
4.5	Sensed information description tools	14
5	Device Command Vocabulary	19
5.1	Introduction	19
5.2	Schema wrapper conventions	19
5.3	Light type	19
5.4	Flash type	22
5.5	Heating type	23
5.6	Cooling type	25
5.7	Wind type	26
5.8	Vibration type	28
5.9	Sprayer type	29
5.10	Scent type	31
5.11	Fog type	33
5.12	Color correction type	34
5.13	Initialize color correction parameter type	38
5.14	Rigid body motion type	45
5.15	Tactile type	60
5.16	Kinesthetic type	65
5.17	Global position command type	70
6	Sensed Information Vocabulary	72
6.1	Introduction	72
6.2	Schema wrapper conventions	73
6.3	Light sensor type	73
6.4	Ambient noise sensor type	77
6.5	Temperature sensor type	80
6.6	Humidity sensor type	81
6.7	Distance sensor type	83
6.8	Atmospheric pressure sensor type	85
6.9	Position sensor type	87
6.10	Velocity sensor type	93
6.11	Acceleration sensor type	98
6.12	Orientation sensor type	104

6.13	Angular velocity sensor type	110
6.14	Angular acceleration sensor type	115
6.15	Force sensor type	121
6.16	Torque sensor type	123
6.17	Pressure sensor type	125
6.18	Motion sensor type	127
6.19	Intelligent camera type	135
6.20	Multi Interaction point sensor type	143
6.21	Gaze tracking sensor type	146
6.22	Wind sensor type	149
6.23	Global position sensor type	150
6.24	Altitude sensor type	152
6.25	Bend sensor type	153
6.26	Gas sensor type	156
6.27	Dust sensor type	159
6.28	Body height sensor type	161
6.29	Body weight sensor type	162
6.30	Body temperature sensor type	164
6.31	Body fat sensor type	166
6.32	Blood type sensor type	167
6.33	Blood pressure sensor type	169
6.34	Blood sugar sensor type	171
6.35	Blood oxygen sensor type	173
6.36	Heart rate sensor type	174
6.37	Electrograph sensor type	176
6.38	EEG sensor type	179
6.39	ECG sensor type	183
6.40	EMG sensor type	187
6.41	EOG sensor type	198
6.42	GSR sensor type	201
6.43	Bio sensor type	203
6.44	Weather sensor type	208
6.45	Facial expression sensor type	214
6.46	Facial morphology sensor type	229
6.47	Facial expression characteristics sensor type	232
6.48	Geomagnetic sensor type	236
Annex A (informative) Schema documents		239
Annex B (informative) Classification Schemes		240
Annex C (informative) Patent statements		266
Bibliography		267