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Information technology – Small computer system interface (SCSI) – Part 362: Multimedia commands-2 (MMC-2)

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CONTENTS

FOREWORD.....	18
INTRODUCTION.....	20
1 Scope.....	21
2 References.....	21
2.1 Normative references	21
2.1.1 Approved references	21
2.1.2 References under development	22
2.2 Other references	22
3 Definitions, abbreviations and acronyms.....	22
3.1 Definitions of terms	22
3.2 Conventions	31
3.3 Keywords	31
4 C/DVD models.....	32
4.1 General.....	32
4.1.1 CD address reporting formats (MSF bit).....	32
4.1.2 Logical blocks.....	33
4.1.3 Data cache	33
4.1.4 RESETS	34
4.1.5 Error reporting	35
4.1.6 Deferred errors	35
4.1.7 Removable medium	36
4.2 CD device model.....	37
4.2.1 Recorded CD media structure.....	37
4.2.2 Physical track topology – Multi-session disc	40
4.2.3 CD Audio error reporting.....	55
4.2.4 CD ready condition/not ready condition	55
4.2.5 Sensing support for CD-audio commands	57
4.3 DVD Model.....	57
4.3.1 DVD media functionality	57
4.3.2 Track structure	58
4.3.3 Recording for DVD-R.....	65
4.3.4 ECC Block.....	66
4.3.5 Sector configuration	66
4.3.6 DVD ready condition/Not ready condition.....	71
4.3.7 DVD copy protection.....	72
4.4 Changer model.....	76
4.4.1 Side definition	77
4.4.2 Changer addressing	79
4.4.3 Automatic load and unload operations	79
4.4.4 Delayed disc load operation.....	79
4.4.5 Prevent/Allow processing	81
4.4.6 Error reporting for Changers.....	81
5 Features and profiles.....	81
5.1 Introduction	81
5.2 Features.....	82
5.2.1 Version field	83
5.2.2 Persistent bit	83

5.2.3	Current bit	83
5.2.4	Additional length field	83
5.2.5	Feature codes	83
5.3	Feature definitions.....	85
5.3.1	Profile list feature (0000h)	85
5.3.2	Core feature (0001h)	86
5.3.3	Morphing feature (0002h)	88
5.3.4	Removable medium feature (0003h)	89
5.3.5	Random readable feature (0010h)	90
5.3.6	Multi-Read feature (001Dh)	92
5.3.7	CD read feature (001Eh)	92
5.3.8	DVD read feature (001Fh)	93
5.3.9	Random writable feature (0020h).....	94
5.3.10	Incremental streaming writable (0021h).....	95
5.3.11	Sector erasable feature (0022h)	97
5.3.12	Formattable feature (0023h)	97
5.3.13	Defect management feature (0024h).....	98
5.3.14	Write once feature (0025h)	99
5.3.15	Restricted overwrite feature (0026h).....	100
5.3.16	CD Track at once feature (002Dh)	101
5.3.17	CD mastering (session at once) feature (002Eh).....	102
5.3.18	DVD-R write feature (002Fh)	104
5.3.19	Power management feature (0100h).....	105
5.3.20	Embedded changer feature (0102h).....	105
5.3.21	CD audio external play feature (0103h)	106
5.3.22	Microcode upgrade feature (0104h).....	108
5.3.23	Time-out feature (0105h).....	108
5.3.24	DVD-CSS Feature (0106h)	109
5.3.25	Real-time streaming feature (0107h).....	110
5.3.26	Feature 0108h – Logical unit serial number	110
5.3.27	Feature 010Ah - Disc control blocks	111
5.4	Profile definitions	112
5.4.1	Profile 2 - Removable disk.....	113
5.4.2	Profile 3 - Magneto-optical.....	113
5.4.3	Profile 4 - Magneto-optical write once.....	114
5.4.4	Profile 5h - AS-MO	114
5.4.5	Profile 8 - CD-ROM	115
5.4.6	Profile 9 - CD-R.....	115
5.4.7	Profile Ah - CD-RW	116
5.4.8	Profile 10h - DVD-ROM	116
5.4.9	Profile 11h - DVD-R.....	117
5.4.10	Profile 12h - DVD re-writable	117
5.4.11	Profile FFFFh - Logical units not conforming to a standard profile	118
5.5	Parameters for all logical unit types.....	118
5.5.1	Mode pages.....	118
5.5.2	Mode select/sense parameters	119
5.5.3	Read/write error recovery parameters page (page code 01h).....	121
5.5.4	Write parameters mode page (page code 05h)	126
5.5.5	CD device parameters (page code 0Dh)	130
5.5.6	CD audio control parameters page (page code 0Eh).....	131
5.5.7	Power condition page (page code 1Ah).....	133
5.5.8	Fault/failure reporting control page	134

5.5.9	Time-out and protect page.....	136
5.5.10	Capabilities and mechanical status page	137
6	Command descriptions for all logical units	141
6.1	C/DVD commands	142
6.1.1	BLANK command	143
6.1.2	CLOSE TRACK/SESSION command	145
6.1.3	FORMAT UNIT command	147
6.1.4	GET CONFIGURATION command	154
6.1.5	GET EVENT/STATUS NOTIFICATION	158
6.1.6	GET PERFORMANCE	167
6.1.7	LOAD/UNLOAD MEDIUM command	171
6.1.8	MECHANISM STATUS command	173
6.1.9	PAUSE/RESUME command.....	176
6.1.10	PLAY AUDIO (10) Command	177
6.1.11	PLAY AUDIO (12) command.....	178
6.1.12	PLAY AUDIO MSF command	179
6.1.13	Play CD command (obsolete)	180
6.1.14	READ BUFFER CAPACITY command (obsolete).....	182
6.1.15	READ CD command	183
6.1.16	READ CD MSF command	191
6.1.17	READ CAPACITY command	193
6.1.18	READ DISC INFORMATION command	194
6.1.19	READ DVD STRUCTURE command	198
6.1.20	READ FORMAT CAPACITIES	215
6.1.21	READ HEADER command (obsolete)	219
6.1.22	READ MASTER CUE command (obsolete)	221
6.1.23	READ SUB-CHANNEL command.....	222
6.1.24	READ TOC/PMA/ATIP command	229
6.1.25	TOC/PMA/ATIP response data format 0100b	237
6.1.26	READ TRACK INFORMATION command.....	239
6.1.27	REPAIR TRACK command (obsolete).....	247
6.1.28	REPORT KEY command.....	247
6.1.29	RESERVE TRACK command	253
6.1.30	SCAN command	255
6.1.31	SEND CUE SHEET command.....	258
6.1.32	SEND DVD STRUCTURE command	266
6.1.33	SEND EVENT Command	271
6.1.34	SEND KEY command	273
6.1.35	SEND OPC INFORMATION Command	275
6.1.36	SET CD SPEED command (obsolete).....	277
6.1.37	SET READ AHEAD command.....	278
6.1.38	SET STREAMING command.....	279
6.1.39	STOP PLAY/SCAN command	282
6.1.40	SYNCHRONIZE CACHE command	283
6.1.41	WRITE (10) command	284
6.1.42	WRITE AND VERIFY (10) command.....	287
Annex A (normative)	Additional Sense Codes for CD	289
A.1	Error reporting	289
Annex B (normative)	ATAPI Compliance	299
B.1	Introduction	299

B.2 General	299
B.2.1 Terms.....	299
B.2.2 Supported Block Sizes	299
B.2.3 CD Audio error reporting	299
B.2.4 Multi-Initiator Environment.....	299
B.2.5 Command Packet Padding	300
B.2.6 Mapping of reset functions	300
B.3 ATAPI commands requirements.....	300
Annex C (normative) Requirements for SBP-2 compliance.....	303
C.1 SBP-2 definitions.....	303
C.2 SBP-2 Storage Model	304
C.2.1 Model configuration.....	304
C.2.2 Model operation	305
C.2.3 Reconnect/Power reset support (normative).....	306
C.3 Configuration ROM support	306
C.3.1 Unit Directory – Command_Set_Spec_ID	306
C.3.2 Unit Directory – Command_Set	306
C.3.3 Unit Directory – Command_Set_Revision	307
C.3.4 Unit Directory – Logical_Unit_Number	307
C.4 Login support	307
C.5 Security support	308
C.6 Status block support.....	308
C.7 Unsolicited Status support.....	308
C.8 Unit attention condition.....	309
Annex D (normative) Requirements for Fibre Channel Protocol for SCSI Compliance	310
D.1 Introduction	310
D.2 General	310
D.2.1 Terms.....	310
D.2.2 Information units	310
D.2.3 Process login/logout.....	310
D.2.4 Sense information	310
D.2.5 Reset mapping	311
Annex E (normative) SCSI Implementation notes.....	312
E.1 Introduction	312
E.2 SCSI signal utilization	312
E.3 SCSI compatibility	312
E.3.1 Additions to the SCSI Standards (ISO/IEC 14776-xxx)	312
E.4 Reset Functionality.....	312
E.4.1 Power On Reset	312
E.4.2 Hard Reset.....	312
E.4.3 TARGET RESET task management function.....	313
E.4.4 Device Reset.....	313
E.4.5 Power Management and Device Reset in SCSI	313
E.4.6 Mapping of reset functions	314
Annex F (normative) Power management functions.....	315
F.1 Power management states	315
F.2 Power state transitions	316

F.2.1 Active State (D0).....	316
F.2.2 Idle State (D1).....	316
F.2.3 Standby State (D2).....	316
F.2.4 Sleep State (D3).....	317
F.3 Power management state diagram.....	317
F.4 Power Management Timers	318
F.5 Standby timer	319
F.6 Power Management Status Reporting.....	321
Annex G (informative) SCSI command listings	322
G.1 List of SCSI commands	322
Annex H (informative) Implementation of features.....	323
H.1 What's a Feature?	323
H.2 History.....	323
H.3 Implementation of Features	324
H.4 Compatibility	325
H.5 Summary.....	325
Annex I (informative) MMC command listings.....	326
Annex J (informative) CD -TEXT Format in the Lead-in Area	329
Bibliography.....	332
Figure 1 – Single Session Disc	40
Figure 2 – Multi-Session Recorded Disc	40
Figure 3 – Q Sub-channel Mode-1 Format recorded in Program Area	42
Figure 4 – Q Sub-channel Mode-2 Format	42
Figure 5 – Q Sub-channel, Mode-3 Format	43
Figure 6 – Q Sub-channel Mode-1 Format recorded in Lead-in	44
Figure 7 – Q Sub-channel Mode-5 Format recorded in Lead-in	45
Figure 8 – Synchronization Field pattern.....	46
Figure 9 – CD-R and CD-RW medium.....	50
Figure 10 – PMA, Q Sub-channel.....	51
Figure 11 – Packet Format.....	52
Figure 12 – Physical and Logical Layout of Single Layer DVD-ROM Media	59
Figure 13 – Physical and Logical Layout of Parallel Track Path DVD-ROM Media.....	60
Figure 14 – Physical and Logical Layout of Opposite Track Path DVD-ROM Media.....	61
Figure 15 – Physical and Logical Layout of DVD-R Media.....	62
Figure 16 – Physical and Logical Layout of Single Layer DVD + RW Media	63
Figure 17 – Physical and Logical Layout of DVD-RAM Media.....	64
Figure 18 – Data Organization within an ECC Block.....	66
Figure 19 – Formation of Data Unit 3	66
Figure 20 – Data Unit 1	67
Figure 21 – Data ID Field definition.....	67
Figure 22 – Data Structure of Disc Lead-in Area	68
Figure 23 – Device key exchange and authentication state diagram.....	73

Figure 24 – Authentication flag sequence	73
Figure 25 – Region State Diagram	76
Figure 26 – Media Changer Mechanism Model.....	77
Figure 27 – Changer State Diagram.....	79
Figure 28 – Read CD Sub-channel, R-W (100b).....	190
Figure 29 – CD (CD-DA)	262
Figure 30 – CD-ROM mode 1.....	263
Figure 31 – CD-ROM XA, CD-I.....	263
Figure 32 – CD-ROM Mode 2.....	264
Figure 33 – Location of Sub-channel Data	265
Figure 34 – Stop Play/Play Audio/Audio Scan/Pause/Resume Sequencing	283
Figure C.1 – Mass storage interface block diagram.....	304
Figure C.2 – Command_Set_Spec_ID.....	306
Figure C.3 – Command_Set.....	307
Figure C.4 – Command_Set_Revision.....	307
Figure C.5 – Logical_Unit_Number	307
Figure C.6 – Status block for MMC-2	308
Figure F.1 – Power Management STATE diagram.....	318
Figure J.1 – Block number character position.....	330
Table 1 – MSF address format.....	33
Table 2 – Sense key responses for error reporting.....	35
Table 3 – Small Frame layout and definition	37
Table 4 – CD Frame Structure from Small Frames	38
Table 5 – Sub-Channel byte layout	38
Table 6 – P-Sub-Channel Layout	39
Table 7 – Q Sub-channel record format	41
Table 8 – ISRC 6 bit character codes (in hexadecimal)	43
Table 9 – Sync pattern block header.....	46
Table 10 – Mode zero data format	47
Table 11 – Mode 1 data format	47
Table 12 – Mode 2 formless block format.....	48
Table 13 – Mode 2 form 1 data format	48
Table 14 – Mode 2 form 1 sub-header format.....	49
Table 15 – Mode 2 form 2 data format	49
Table 16 – ATIP format.....	50
Table 17 – Block Identifier bits.....	53
Table 18 – Track Descriptor Block (TDB) header	54
Table 19 – Track Descriptor Unit (TDU) Format	54
Table 20 – Not Ready Error Reporting (by command)	56
Table 21 – Data field number for DVD media	68
Table 22 – Control structure of control data block	69

Table 23 – Common part of physical format information.....	69
Table 24 – Book type field	69
Table 25 – DVD-ROM unique part of physical format information.....	70
Table 26 – DVD-R unique part of physical format information	70
Table 27 – DVD-RAM unique part of physical format information	70
Table 28 – DVD + RW unique part of physical format.....	70
Table 29 – Data area allocation definition	71
Table 30 – Commands that may cause delayed loads to occur	80
Table 31 – Commands that will cause delayed loads to occur	80
Table 32 – Commands that should not cause delayed loads to occur.....	80
Table 33 – Error conditions and Sense Keys for Changer mechanisms	81
Table 34 – GET CONFIGURATION response data format.....	82
Table 35 – Feature header.....	82
Table 36 – Feature descriptor generic format.....	83
Table 37 – Feature codes	84
Table 38 – Profile list descriptor format.....	85
Table 39 – Profile descriptor	85
Table 40 – Profile list.....	86
Table 41 – Core commands	87
Table 42 – Core feature descriptor format.....	87
Table 43 – Physical interface standard	88
Table 44 – Morphing feature commands	88
Table 45 – Morphing descriptor format.....	88
Table 46 – Removable medium commands	89
Table 47 – Removable medium descriptor format.....	89
Table 48 – Loading mechanism type	90
Table 49 – Random readable feature	90
Table 50 – Random Readable Descriptor format.....	91
Table 51 – Multi-Read feature commands	92
Table 52 – Multi-Read descriptor format	92
Table 53 – CD READ commands	92
Table 54 – CD Read descriptor format.....	93
Table 55 – DVD READ feature commands	93
Table 56 – DVD read descriptor format	93
Table 57 – Random writable block device commands	94
Table 58 – Random writable descriptor format	94
Table 59 – Incremental streaming commands	95
Table 60 – Incremental streaming parameters	96
Table 61 – Incremental streaming writable descriptor format.....	96
Table 62 – Sector erasable feature commands	97
Table 63 – Sector erasable	97
Table 64 – Formattable feature commands	97

Table 65 – Formattable descriptor format.....	98
Table 66 – Defect management feature parameters	98
Table 67 – Defect management descriptor format	98
Table 68 – Write once feature commands	99
Table 69 – Write once feature parameters	99
Table 70 – Write once descriptor format	99
Table 71 – Restricted overwrite commands.....	100
Table 72 – Restricted Overwrite parameter.....	100
Table 73 – Restricted overwrite descriptor format	100
Table 74 – CD track at once feature commands.....	101
Table 75 – CD track at once feature parameters	101
Table 76 – CD Track at once descriptor format	101
Table 77 – CD mastering (session at once) feature commands	102
Table 78 – CD mastering (session at once) parameter.....	102
Table 79 – CD mastering (RAW) feature commands	102
Table 80 – CD mastering (RAW) parameters	102
Table 81 – CD mastering feature descriptor.....	103
Table 82 – DVD-R write commands	104
Table 83 – DVD-R write feature parameters.....	104
Table 84 – DVD-R write feature descriptor format.....	104
Table 85 – Power management commands.....	105
Table 86 – Power management mode parameters.....	105
Table 87 – Power management descriptor format	105
Table 88 – Embedded changer command	106
Table 89 – Embedded changer descriptor format	106
Table 90 – CD-audio external play feature commands	107
Table 91 – CD-Audio External Output Parameters	107
Table 92 – CD audio external play descriptor format.....	107
Table 93 – Microcode upgrade command.....	108
Table 94 – Microcode upgrade descriptor format	108
Table 95 – Time-out feature parameter	108
Table 96 – Time-Out Descriptor Format	109
Table 97 – DVD-CSS feature commands	109
Table 98 – DVD-CSS feature descriptor format	109
Table 99 – Real-time streaming feature commands.....	110
Table 100 – Real-time streaming feature descriptor format	110
Table 101 – Logical unit serial number feature descriptor	111
Table 102 – Disc control blocks feature commands.....	111
Table 103 – Disc control blocks feature descriptor	112
Table 104 – Mandatory features for removable disks	113
Table 105 – Mandatory features for magneto-optical erasable	113
Table 106 – Mandatory features for magneto-optical write once.....	114

Table 107 – Mandatory features for AS-MO	114
Table 108 – Mandatory features for CD-ROM	115
Table 109 – Mandatory features for CD-R.....	115
Table 110 – Mandatory features for CD-RW.....	116
Table 111 – Mandatory Features for DVD-ROM	116
Table 112 – Mandatory features for DVD-R.....	117
Table 113 – Mandatory features for DVD re-writable.....	117
Table 114 – Mandatory features for logical units not conforming to a standard profile.....	118
Table 115 – Mode page codes for C/DVD	118
Table 116 – Mode parameter list.....	119
Table 117 – Mode page format	119
Table 118 – Mode parameter header	120
Table 119 – Block Descriptor Block Sizes for Read.....	120
Table 120 – Read/Write Error Recovery Parameters Page Format.....	121
Table 121 – CD-ROM Devices, error recovery description	123
Table 122 – DVD Devices, Error Recovery Description	125
Table 123 – Write Parameters Mode Page.....	126
Table 124 – Write Type Field	127
Table 125 – Multi-session Field Definition.....	128
Table 126 – Data Block Type Codes	129
Table 127 – Session Format Codes	130
Table 128 – CD Parameters page	130
Table 129 – Inactivity timer multiplier values.....	131
Table 130 – CD Audio Control Mode Page Format.....	131
Table 131 – CDDA Output Port Channel Selection Codes.....	132
Table 132 – Attenuation Levels for Audio.....	133
Table 133 – Power Condition Mode Page Format	133
Table 134 – Fault/Failure Reporting Control Page.....	134
Table 135 – Method of Reporting Fault/Failure Reporting Field.....	135
Table 136 – Time-out & Protect Page	136
Table 137 – CD Capabilities and Mechanical Status Page	137
Table 138 – Loading Mechanism Type.....	139
Table 139 – Commands Specific to C/DVD Devices.....	142
Table 140 – BLANK Command Descriptor Block	143
Table 141 – Blanking types.....	144
Table 142 – Recommended errors for BLANK Command.....	145
Table 143 – CLOSE TRACK/SESSION Command Descriptor Block	145
Table 144 – Session and Track bits Definitions.....	146
Table 145 – Recommended errors for CLOSE TRACK/SESSION Command	147
Table 146 – Format Unit Command.....	147
Table 147 – DVD-RAM Defect List Handling	148
Table 148 – Format Unit Parameter List.....	149

Table 149 – Format List Header.....	149
Table 150 – Initialization Pattern Descriptor.....	150
Table 151 – IP Modifier Field	151
Table 152 – Initialization Pattern Type	151
Table 153 – CD-RW Format Descriptor	152
Table 154 – Format Code 001b Format Descriptor.....	153
Table 155 – Recommended errors for FORMAT UNIT Command	154
Table 156 – GET CONFIGURATION Command Descriptor Block.....	155
Table 157 – RT Field definition	155
Table 158 – GET CONFIGURATION response data format	156
Table 159 – Feature Header	156
Table 160 – Feature Descriptor generic format	156
Table 161 – Recommended Errors for GET CONFIGURATION Command	158
Table 162 – GET EVENT/STATUS NOTIFICATION Command.....	158
Table 163 – Notification Class Request.....	159
Table 164 – Event Status Notification Response.....	159
Table 165 – Event Header Return Data.....	159
Table 166 – Notification Class Field.....	160
Table 167 – Operational Change/Notification Returned Data	160
Table 168 – Operational Status Response	160
Table 169 – Operational Status Format.....	161
Table 170 – Operational Request/Report Format	161
Table 171 – Power Management Status Returned Data	161
Table 172 – Power Event Field	162
Table 173 – Power Status Field	162
Table 174 – External Request Descriptor	162
Table 175 – External Request Event Format	163
Table 176 – External Request Status Codes	163
Table 177 – External Request Codes	163
Table 178 – Media Event Descriptor	164
Table 179 – Media Event Format	164
Table 180 – Media Status Byte Definition.....	164
Table 181 – Multiple Initiator Descriptor.....	165
Table 182 – Multiple Initiator Event Format.....	165
Table 183 – Multiple Initiator Status Codes.....	165
Table 184 – Multiple Initiator Codes.....	166
Table 185 – Device Busy Event Descriptor	166
Table 186 – Device Busy Event Format	166
Table 187 – Device Busy Status Format	166
Table 188 – Recommended Errors for GET EVENT/STATUS NOTIFICATION command.....	167
Table 189 – GET PERFORMANCE command Descriptor Block.....	168
Table 190 – Performance response format.....	168

Table 191 – Performance Header	169
Table 192 – Performance Descriptor – Nominal Performance	170
Table 193 – Performance Descriptor – Exceptions	170
Table 194 – Recommended errors for GET PERFORMANCE command.....	171
Table 195 – LOAD/UNLOAD MEDIUM command	171
Table 196 – Load/Unload Operations	172
Table 197 – Recommended errors for LOAD/UNLOAD MEDIUM operation	172
Table 198 – MECHANISM STATUS Command Descriptor Block	173
Table 199 – Mechanism Status Parameter List	173
Table 200 – Mechanism Status Header.....	174
Table 201 – Changer State Field	174
Table 202 – Mechanism State Field	175
Table 203 – Slot Table Response Format	175
Table 204 – Recommended errors for Mechanism Status command.....	176
Table 205 – PAUSE/RESUME Command Descriptor Block	176
Table 206 – Recommended errors for PAUSE/RESUME command	176
Table 207 – PLAY AUDIO(10) Command Descriptor Block.....	177
Table 208 – Recommended errors for PLAY AUDIO (10) command	178
Table 209 – PLAY AUDIO (12) Command Descriptor Block.....	178
Table 210 – Recommended errors for PLAY AUDIO(12) Command.....	179
Table 211 – PLAY AUDIO MSF Command Descriptor Block.....	179
Table 212 – Recommended errors for PLAY AUDIO MSF Command.....	180
Table 213 – PLAY CD Command Descriptor Block.....	180
Table 214 – PLAY CD Field definition	181
Table 215 – Recommended errors PLAY CD command	181
Table 216 – READ BUFFER CAPACITY Command Descriptor Block	182
Table 217 – READ BUFFER CAPACITY data.....	182
Table 218 – Recommended errors for READ BUFFER CAPACITY command	183
Table 219 – READ CD Command Descriptor Block	183
Table 220 – Expected Sector type field bit definitions	184
Table 221 – Header Code field definition	184
Table 222 – READ CD, Error field definition.....	185
Table 223 – READ CD, Sub-channel Data Selection Field definition	185
Table 224 – Formatted Q Sub-channel response data.....	186
Table 225 – Number of Bytes Returned Based on Data Selection Field.....	187
Table 226 – CD-DA (Digital Audio) Data Block Format.....	188
Table 227 – P-W RAW data format	188
Table 228 – P-W Data de-interleaved and error corrected.....	189
Table 229 – Sub-channel R-W: Allowed mode/item combinations	191
Table 230 – Recommended errors for READ CD command.....	191
Table 231 – READ CD MSF Command Descriptor Block.....	192
Table 232 – Recommended errors for READ CD MSF command	192

Table 233 – READ CAPACITY Command Descriptor Block	193
Table 234 – READ CAPACITY Response Data format	193
Table 235 – Recommended errors for READ CAPACITY command	194
Table 236 – READ DISC INFORMATION Command Descriptor Block	194
Table 237 – Disc Information Block	195
Table 238 – Disc Status	196
Table 239 – State of Last Session	196
Table 240 – Disc Type Field – PMA	197
Table 241 – OPC Table Entry	198
Table 242 – Recommended errors for READ DISC INFORMATION Command	198
Table 243 – READ DVD STRUCTURE command	199
Table 244 – Format Code definitions for READ DVD STRUCTURE command	200
Table 245 – READ DVD STRUCTURE Data Format (Format field = 00h)	201
Table 246 – Layer Descriptor(s)	201
Table 247 – Book Type Field	202
Table 248 – Minimum Rate Field	202
Table 249 – Layer Type Field	203
Table 250 – Linear Density Field	203
Table 251 – Track Density Field	203
Table 252 – Starting Physical Sector Number of Main Data Field	203
Table 253 – READ DVD STRUCTURE Data Format (Format field = 01h)	204
Table 254 – READ DVD STRUCTURE Data Format (Format field = 02h)	205
Table 255 – READ DVD STRUCTURE Data Format (Format field = 03h)	205
Table 256 – READ DVD STRUCTURE Data Format (Format field = 04h)	206
Table 257 – READ DVD STRUCTURE Data Format (Format field = 05h)	206
Table 258 – READ DVD STRUCTURE Data Format (Format field = 08h)	207
Table 259 – READ DVD STRUCTURE Data Format (Format field = 0Ch)	208
Table 260 – READ DVD STRUCTURE Data Format (Format field = 0Dh)	208
Table 261 – READ DVD STRUCTURE Data Format (Format field = 0Eh)	209
Table 262 – READ DVD STRUCTURE Data Format (Format field = 0Fh)	211
Table 263 – Content Descriptor	211
Table 264 – READ DVD STRUCTURE Data Format (Format field = 30h)	212
Table 265 – Generic Disc Control Block	212
Table 266 – Unknown Content Descriptor Actions	212
Table 267 – Disc Control Block (FFFFFFFFh)	213
Table 268 – READ DVD STRUCTURE Data Format (Format field = FFh)	214
Table 269 – Structure List Entry	214
Table 270 – Recommended errors for READ DVD STRUCTURE command	215
Table 271 – READ FORMAT CAPACITIES Command Descriptor Block	215
Table 272 – READ FORMAT CAPACITIES Data Format	216
Table 273 – Capacity List Header	216
Table 274 – Current/Maximum Capacity Descriptor	216

Table 275 – Descriptor Types	217
Table 276 – Formattable Capacity Descriptor(s)	217
Table 277 – Format Type	218
Table 278 – Returned Current/Maximum Descriptor for Combination of Logical Unit and Media	219
Table 279 – Recommended errors for READ FORMAT CAPACITIES command	219
Table 280 – READ HEADER Command Descriptor Block	219
Table 281 – READ HEADER LBA data format	220
Table 282 – CD Data Mode field	220
Table 283 – READ HEADER MSF data format	221
Table 284 – Recommended errors for READ HEADER command	221
Table 285 – READ MASTER CUE Command Descriptor Block	221
Table 286 – Sheet Number Values	222
Table 287 – Master CD response data format	222
Table 288 – Recommended errors for READ MASTER CUE command	222
Table 289 – READ SUB-CHANNEL Command Descriptor Block	223
Table 290 – Sub-channel parameter list codes	223
Table 291 – Sub-Q Channel Data Header Format	224
Table 292 – Audio status codes	224
Table 293 – CD current position data format	225
Table 294 – ADR Q Sub-channel field	225
Table 295 – Q Sub-channel control field	226
Table 296 – Media Catalog Number data format	227
Table 297 – MCN Format of Data Returned	227
Table 298 – Track International Standard Recording Code data format	228
Table 299 – ISRC Format of Data Returned	228
Table 300 – ISRC Translation	229
Table 301 – Recommended errors for READ SUB-CHANNEL command	229
Table 302 – READ TOC/PMA/ATIP Command Descriptor Block	230
Table 303 – Format Field	230
Table 304 – READ TOC/PMA/ATIP parameter list, general definition	231
Table 305 – READ TOC/PMA/ATIP response data (Format = 0000b)	232
Table 306 – READ TOC/PMA/ATIP response data (Format = 0001b)	233
Table 307 – READ TOC/PMA/ATIP response data (Format = 0010b)	234
Table 308 – TOC Track Descriptor Format, Q Sub-channel	235
Table 309 – POINT Field	235
Table 310 – Disc Type Byte Format	236
Table 311 – READ TOC/PMA/ATIP response data (Format = 0011b)	236
Table 312 – READ TOC/PMA/ATIP response data (Format = 0100b)	237
Table 313 – Lowest CLV Recording Speeds	238
Table 314 – Highest CLV Recording Speeds	238
Table 315 – READ TOC/PMA/ATIP response data (With Format Field = 0101b)	239
Table 316 – Recommended errors for READ TOC/PMA/ATIP command	239

Table 317 – READ TRACK INFORMATION Command Descriptor Block	240
Table 318 – LBA/Track/Session Number Field definition	240
Table 319 – Track Information Block	241
Table 320 – Write Parameter Restrictions due to Track State	243
Table 321 – Track Status Indications	244
Table 322 – Data Mode	244
Table 323 – Next Writable Address Definition	245
Table 324 – Recommended errors for READ TRACK INFORMATION command	246
Table 325 – REPAIR TRACK Command Descriptor Block	247
Table 326 – Recommended errors for REPAIR TRACK command	247
Table 327 – REPORT KEY Command Descriptor Block	248
Table 328 – Key Format Code definitions for REPORT KEY Command	248
Table 329 – REPORT KEY Data Format (With KEY Format = 000000b)	249
Table 330 – REPORT KEY Data Format (With KEY Format = 000001b)	249
Table 331 – REPORT KEY Data Format (With KEY Format = 000010b)	250
Table 332 – REPORT KEY Data Format (With KEY Format = 000100b)	250
Table 333 – REPORT KEY Data Format (with KEY Format = 000101b)	251
Table 334 – REPORT KEY Data Format (with KEY Format = 001000b)	252
Table 335 – Type Code Field Definitions	252
Table 336 – RPC Scheme field Definition	253
Table 337 – Recommended errors for REPORT KEY command	253
Table 338 – RESERVE TRACK Command Descriptor Block	253
Table 339 – Track reservation sizing (CD)	254
Table 340 – TRACK reservation sizing (DVD)	254
Table 341 – Recommended errors for RESERVE TRACK command	255
Table 342 – SCAN Command Descriptor Block	256
Table 343 – Type field bit definitions	256
Table 344 – Scan starting address field format-logical blocks	256
Table 345 – Scan Starting Address format – MIN, SEC, FRAME format	257
Table 346 – Scan Starting Address Format-Track Number (TNO)	257
Table 347 – Recommended errors for SCAN operation	257
Table 348 – SEND CUE SHEET Command Descriptor Block	258
Table 349 – Cue Sheet format	258
Table 350 – Sample CUE SHEET	259
Table 351 – Cue Sheet Data	260
Table 352 – CTL/ADR byte	260
Table 353 – Control Field	260
Table 354 – ADR Field	261
Table 355 – Data Form Byte	261
Table 356 – SCMS Byte	261
Table 357 – CD-DA Data format (1 Sample)	262
Table 358 – Data Form of Sub-channel	264

Table 359 – Media Catalog Number (N1..N13).....	266
Table 360 – ISRC (I1..I12)	266
Table 361 – Recommended Sense Key, ASC and ASCQ SEND CUE SHEET command	266
Table 362 – SEND DVD STRUCTURE Command Descriptor Block.....	267
Table 363 – Format Field Definition	267
Table 364 – SEND DVD STRUCTURE Data Format (Format Code = 04h)	268
Table 365 – SEND DVD STRUCTURE Data Format (Format Code = 05h)	268
Table 366 – SEND DVD STRUCTURE Data Format (Format Code = 0Fh)	269
Table 367 – SEND DVD STRUCTURE Data Format (Format Code = 30h)	270
Table 368 – Recommended errors for SEND DVD STRUCTURE Command.....	271
Table 369 – SEND EVENT Command Descriptor Block.....	271
Table 370 – Event Parameter Header	272
Table 371 – Operational Change/Notification Parameter Data.....	272
Table 372 – Operational Event Field	272
Table 373 – Recommended errors for SEND EVENT Command	273
Table 374 – SEND KEY Command Descriptor Block	273
Table 375 – Key Format Code definitions for SEND KEY command	274
Table 376 – SEND KEY Parameter List (KEY Format field =000001b)	274
Table 377 – SEND KEY Parameter List (KEY Format field =000011b)	274
Table 378 – SEND KEY Parameter List (KEY Format field =000110b)	275
Table 379 – Recommended errors for SEND KEY Command	275
Table 380 – SEND OPC INFORMATION Command Descriptor Block.....	276
Table 381 – SEND OPC INFORMATION Parameter List	276
Table 382 – Recommended errors for SEND OPC INFORMATION command	277
Table 383 – SET CD SPEED Command Descriptor Block	277
Table 384 – Recommended errors for SET CD SPEED command	277
Table 385 – SET READ AHEAD Command Descriptor Block.....	278
Table 386 – Recommended errors for SET READ AHEAD command	278
Table 387 – SET STREAMING Command Descriptor Block.....	279
Table 388 – Performance Descriptor.....	280
Table 389 – Recommended errors for SET STREAMING command	281
Table 390 – STOP PLAY/SCAN Command Descriptor Block.....	282
Table 391 – Recommended errors for STOP PLAY/SCAN command.....	282
Table 392 – SYNCHRONIZE CACHE command.....	284
Table 393 – Recommended errors for SYNCHRONIZE CACHE command	284
Table 394 – WRITE (10) command	285
Table 395 – LBA to MSF translation.....	286
Table 396 – Recommended errors for WRITE Command	287
Table 397 – WRITE AND VERIFY (10) command.....	288
Table 398 – Recommended errors for WRITE AND VERIFY (10) command	288
Table A.1 – Logical Unit Sense Key, ASC and ASCQ Assignments	289
Table A.2 – Logical Unit General Errors.....	294

Table A.3 – Media Access Errors	296
Table A.4 – Logical Unit Write Errors	298
Table A.5 – Logical Unit Fixation Errors	298
Table B.1 – Example Reset Function Mapping in ATAPI	300
Table B.2 – ATAPI Commands Requirements	301
Table E.1 – Example Reset Function Mapping in SCSI	314
Table F.1 – Power Management Model States	315
Table F.2 – State Transition, Events and Status	319
Table F.3 – Effects of Initiator commands on Timers.....	320
Table G.1 – Commands common to all SCSI devices.....	322
Table I.1 – Multimedia commands – Alphabetically	326
Table I.2 – Multimedia commands – By OpCode	327
Table I.3 – Commands common to all SCSI devices	328
Table J.1 – CD-TEXT Pack Data format for the Lead-in area	329
Table J.2 – Pack type indicator definitions	330

INFORMATION TECHNOLOGY – SMALL COMPUTER SYSTEM INTERFACE (SCSI) –

Part 362: Multimedia commands-2 (MMC-2)

FOREWORD

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International Standard ISO/IEC 14776-362 was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

This International Standard has been approved by vote of the member bodies, and the voting results can be obtained from the address given on the title page.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

ISO/IEC 14776 consists of the following parts, under the general title *Information technology – Small computer system interface (SCSI)*:

- Part 112: Parallel interface-2 (SPI-2)
- Part 113: Parallel interface-3 (SPI-3)
- Part 115: Parallel interface-5 (SPI-5)
- Part 150: Serial attached SCSI (SAS)
- Part 222: Fibre channel protocol for SCSI, second version (FCP-2)
- Part 232: Serial bus protocol-2 (SBP-2)
- Part 321: Block commands (SBC)
- Part 322: Block commands-2 (SBC-2)
- Part 326: Stream commands (SSC)
- Part 341: Controller commands (SCC)
- Part 342: Controller commands-2 (SCC-2)
- Part 351: Medium changer commands (SMC)
- Part 362: Multimedia commands-2 (MMC-2)
- Part 381: Optical memory card device commands (OMC)
- Part 411: Architecture model commands (SAM)
- Part 412: Architecture model-2 (SAM-2)
- Part 452: Primary commands-2 (SPC-2)

INTRODUCTION

Requests for interpretation, suggestions for improvement and addenda or defect reports are welcome. They should be sent to IEC Central Office, see address on the title page.

**INFORMATION TECHNOLOGY –
SMALL COMPUTER SYSTEM INTERFACE (SCSI) –
Part 362: Multimedia commands-2 (MMC-2)**

1 Scope

This part of ISO/IEC 14776 defines the SCSI command set extensions to access multimedia features for all classes of SCSI devices.

The commands specified within this standard define standard access and control of those features of the device that are used in multimedia applications.

The SPC command set and its extensions are transport independent and may be implemented across a wide variety of environments for which a SCSI command mapping and delivery vehicle has been defined. To date, these include Fibre Channel, SCSI Parallel Interface, High Performance Serial Bus, Serial Storage Architecture and ATA/ATAPI.

This command set gives and/or enables the following.

- a) A definition of the command formats and functions independently of delivery, protocol/signalling or transport mechanism. Architectural constraints regarding command functions, over the various transports are addressed in the document specific to the physical transport.
- b) Standardized access to common Features of SCSI devices employed in multimedia applications.
- c) System software/firmware independence across device classes. Thus, different tape drives, optical media drives and other devices can be added to the system without requiring modifications to generic system hardware and software. Provision is made for the addition of special Features and functions through the use of vendor-specific options. Reserved Opcodes are provided for future standardization.
- d) Provides compatibility such a way that properly conforming ISO/IEC 9316 devices may inter-operate with subsequent devices provided that the system engineering is correctly done. SCSI protocol extensions are designed to be permissive of rejections by conforming ISO/IEC 9316 devices and thus allow the ISO/IEC 9316 device to continue operation without requiring the use of the extension.

2 References

2.1 Normative references

2.1.0 General

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

2.1.1 Approved references

The following approved international and regional standards (ISO, IEC, CEN/CENELEC and ITU-T) may be obtained from the international and regional organizations that control them.

IEC 60908, *Audio recording – Compact disc digital audio system*

ISO/IEC 646:1991, *Information technology – ISO 7-bit coded character set for information interchange*

ISO/IEC 14776-232, *Information technology – Small Computer System Interface (SCSI) – Part 232: Serial Bus Protocol-2 (SBP-2)* [NCITS.325:1998]

ISO/IEC 14776-321, *Information technology – Small Computer System Interface-3 (SCSI-3) – Part 321: Block commands (SBC)* [NCITS.306:1998]

ISO/IEC 10149, *Information technology – Data interchange on read-only 120 mm optical data discs (CD-ROM)*

ISO 3901, *Information and documentation – International Standard Recording Code (ISRC)*

2.1.2 References under development

At the time of publication, the following referenced standards were still under development. For information on the current status of the document, or regarding availability, contact the relevant standards body or other organization as indicated.

ISO/IEC 14776-351, *Information technology – Small Computer System Interface (SCSI) – Part 351: SCSI-3 Medium Changer Commands (SMC)* [X3T10/0999-D]

2.2 Other references

The following standards and specifications were also consulted.

ANSI INCITS 269-1996, *Information technology – SCSI-3 Fibre Channel protocol (FCP), (R2001)*

ANSI INCITS 301-1997, *Information technology – SCSI-3 Primary Commands (SPC), (R2002)*

ANSI INCITS 317-1998, *Information Technology – AT Attachment with Packet Interface Extension (ATA/ATAPI-4), (R2003)*