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CONTENTS

FOREWORD 11
1 Scope 12
2 Normative references 12
3 Terms and definitions, abbreviated terms and symbols 12
3.1 Terms and definitions 12
3.2 Abbreviated terms 14
3.3 Symbols 16
4 Data type 16
4.1 Overview 16
4.2 Basic data type 16
4.2.1 Unsigned type coding (UINT) 16
4.2.2 Time type coding (TIMEV) 17
4.2.3 Date type coding (DATE2000) 17
4.2.4 Time of day type coding (TIMEOFDAY) 18
4.2.5 Time difference type coding (TIMEDIFFER) 18
4.2.6 String type coding (STRING) 18
4.2.7 Bitmap tpye coding (BITMAP) 19
4.3 Complex type 19
4.3.1 Struct type coding (STRUCT) 19
4.3.2 Array type coding (ARRAY) 19
5 AUTBUS overview 19
5.1 Overview 19
5.2 AUTBUS protocol stack architecture 20
5.3 Device type 22
5.3.1 Overview 22
5.3.2 Control Device 22
5.3.3 Field Device 22
5.3.4 Management Node 22
5.3.5 Terminal Node 22
5.4 Network topology 22
6 System management 23
6.1 Overview 23
6.2 System management process 23
6.3 System management information table 24
6.3.1 PhL related management information table 24
6.3.2 DLL related management information table 31
6.3.3 AL related management information table 34
7 Physical layer 36
7.1 Physical Layer overview 36
7.2 PhL resource 37
7.2.1 Signal frame 37
7.2.2 Data subframe 39
7.2.3 OFDM symbol 40
7.2.4 Code Block 41
7.2.5 Resource element 41
7.2.6 Working mode 42

7.3 DLL–PhL interface 44
7.3.1 General 44
7.3.2 Service primitive 45
7.3.3 Primitive process 47
7.4 System management-PhL interface 47
7.4.1 General 47
7.4.2 Service primitive 47
7.4.3 Primitive process 49
7.5 DCE Independent Sublayer (DIS) 50
7.5.1 General 50
7.5.2 Data sequence 50
7.6 DTE-DCE interface 51
7.6.1 General 51
7.6.2 Interface signal 51
7.6.3 Signal process 52
7.7 Medium Dependent Sublayer (MDS) 52
7.7.1 General 52
7.7.2 MDS specification 52
7.8 MDS-MAU interface 59
7.8.1 General 59
7.8.2 MDS-MAU interface 59
7.9 Medium Attachment Unit (MAU) 62
7.9.1 Overview 62
7.9.2 Electrical specifications 62
7.9.3 Transmission Medium Interface 62
7.9.4 Medium 63
8 Data-link layer 65
8.1 General 65
8.1.1 DLL protocol architecture 65
8.1.2 DLL working mechanism 67
8.2 DLL services 70
8.2.1 General 70
8.2.2 Data-link service model 71
8.2.3 Data-link service description 72
8.2.4 Data-link management service description 85
8.2.5 Clock synchronization service description 101
8.3 DLL protocol 107
8.3.1 Working procedure 107
8.3.2 DLPDU structure 116
8.3.3 State machine 129
8.3.4 Error handling 134
9 Application Layer 136
9.1 Overview 136
9.1.1 Protocol architecture 136
9.1.2 Data type of AL 137
9.1.3 Data mapping modeling 140
9.1.4 Communication model 143
9.2 AL Service 144
9.2.1 Overview 144

9.2.2 Application Service Elements 145
9.2.3 Application service 169
9.3 Specification for AL protocol 171
9.3.1 Overview 171
9.3.2 Message format 171
9.3.3 State machine 176
Annex A (informative) Example of data subframe allocation 184
A.1 Example A 184
A.2 Example B 185
A.3 Example C 186
Annex B (normative) RS code generating polynomial 187
Annex C (informative) Example for NodeID and MAC address mapping 188
Annex D (informative) Example for multicast group working mechanism 189
Annex E (informative) Example of service data mapping DTU message 190
Annex F (informative) Example of OPC UA data model and AUTBUS data model mapping 191
Annex G (informative) Example of RTA service processing 192
Annex H (informative) AUTBUS virtualization solution example 193
Bibliography 196

Figure 1 – BITMAP data type 19
Figure 2 – Corresponding relationship between AUTBUS protocol stack and OSI reference model 20
Figure 3 – AUTBUS protocol stack architecture 21
Figure 4 – AUTBUS network topology 23
Figure 5 – AUTBUS system management process 24
Figure 6 – Resource block information structure 31
Figure 7 – AUTBUS Physical Layer model 37
Figure 8 – AUTBUS SF and OFDM symbol 38
Figure 9 – SF structure 39
Figure 10 – Carrier mode A and carrier mode B of data subframe 40
Figure 11 – OFDM symbol structure of PhL 40
Figure 12 – OFDM timing structure 41
Figure 13 – DLPDU and CB 41
Figure 14 – Resource element schematic diagram 42
Figure 15 – Mapping between data units across the DLL-PhL interface 44
Figure 16 – DLL-PhL interface service primitive process 47
Figure 17 – System management-PhL interface primitive process 50
Figure 18 – DTE-DCE interface signal process 52
Figure 19 – PhL channel process 53
Figure 20 – Scrambling sequence generation 53
Figure 21 – Convolutional encoder with a code rate of 1/2 55
Figure 22 – Bit deletion process with code rates 2/3 and 3/4 55
Figure 23 – Generation of m sequence 57
Figure 24 – OFDM symbol structure diagram 58

Figure 25 – MDS-MAU interface service process diagram 60
Figure 26 – Signal spectrum template 61
Figure 27 – Connector of the shielded twisted pair 64
Figure 28 – Terminal resistor 64
Figure 29 – DLL in AUTBUS protocol stack architecture 65
Figure 30 – Relationship of AUTBUS DLL to other filedbus layers and to users of AUTBUS DLS 66
Figure 31 – AUTBUS DLL protocol architecture diagram 66
Figure 32 – Resource mapping between DLL and PhL 69
Figure 33 – DLL resource mapping message queue scheduling diagram 70
Figure 34 – Primitive process of CLMDTA 73
Figure 35 – Primitive process of CLMDTNA 75
Figure 36 – Primitive process of CLMDTRA 77
Figure 37 – Primitive process of CLMDTRRNA 79
Figure 38 – Primitive process of CMDTA 81
Figure 39 – Primitive process of CMDTNA 83
Figure 40 – Data-link config management service primitive process 86
Figure 41 – TN active logout discovery service primitive process 90
Figure 42 – Data-link discovery management service primitive sequence diagram 90
Figure 43 – Local data-link maintenance service primitive process diagram 93
Figure 44 – Remote data-link maintenance service primitive process diagram 93
Figure 45 – Data-link establish management service primitive process 96
Figure 46 – Data-link release management service primitive sequence diagrame 98
Figure 47 – Data-link update management service primitive sequence diagram 100
Figure 48 – Delay measurement service primitive process 102
Figure 49 – Clock synchronization service primitive process 104
Figure 50 – Clock interrupt service primitive process 106
Figure 51 – Resource mapping configuration diagram 108
Figure 52 – Initial access configuration procedure diagram 109
Figure 53 – The random access configuration procedure diagram 110
Figure 54 – Node leave procedure diagram 112
Figure 55 – DLS data sending procedure diagram 113
Figure 56 – DLS data receiving procedure diagram 114
Figure 57 – Clock synchronization delay measurement procedure diagram 115
Figure 58 – Clock register structure diagram 115
Figure 59 – Clock synchronization procedure 116
Figure 60 – Universal DLPDU structure 116
Figure 61 – Basic configuration DLPDU structure 117
Figure 62 – General configuration block structure 118
Figure 63 – Address assignment DLPDU structure 119
Figure 64 – Multicast assignment DLPDU structure 120
Figure 65 – Resource allocation DLPDU structure 121
Figure 66 – Access notification DLPDU structure 122

Figure 67 – Resource application DLPDU structure 123
Figure 68 – Resource release DLPDU structure 124
Figure 69 – Status query DLPDU structure 125
Figure 70 – Status response DLPDU 125
Figure 71 – Announcement DLPDU structure 126
Figure 72 – Clock synchronization DLPDU structure 128
Figure 73 – Common DLPDU structure 129
Figure 74 – DLDE state machine 130
Figure 75 – DLME state machine 132
Figure 76 – DLCE state machine 133
Figure 77 – AL in AUTBUS protocol stack architecture 136
Figure 78 – Relationship of AUTBUS AL to other fieldbus layers and to users of AUTBUS application service 136
Figure 79 – Diagram of AUTBUS AL protocol architecture 137
Figure 80 – Data mapping modeling object structure 141
Figure 81 – Diagram of mapping data buffers and service data variables 142
Figure 82 – Diagram of P/S model 143
Figure 83 – P/S model of PUSH mode 143
Figure 84 – P/S model of PULL mode 144
Figure 85 – Diagram of C/S communication model 144
Figure 86 – RT data transmission model 147
Figure 87 – Diagram of nRT data request pesponse model 149
Figure 88 – Diagram of nRT data AP interaction based on C/S communication model 149
Figure 89 – Diagram of nRT data AP interaction based on P/S communication model 150
Figure 90 – Time synchronization application interaction pocess 152
Figure 91 – Time query fow 153
Figure 92 – Resource AP interaction based on C/S communication model 155
Figure 93 – Resource ASE local service function Diagram 155
Figure 94 – NETWORKID identification field structure 156
Figure 95 – NETWORKID interaction process diagram 158
Figure 96 – Diagram of MAC mapping table service function 158
Figure 97 – IP mapping table service function diagram 159
Figure 98 – AUTBUS AL data message is mapped to IP payload data payload 159
Figure 99 – AUTBUS AL protocol header and IP protocol header mapping 160
Figure 100 – IP data message is mapped to valid data of AUTBUS AL data message 160
Figure 101 – Static configuration initialization process 163
Figure 102 – Join the network interaction process 163
Figure 103 – Passively exit the network interaction process 165
Figure 104 – Actively exit network interaction process 165
Figure 105 – Diagram of diagnostic object mapping 166
Figure 106 – Diagram of the logging process 167
Figure 107 – A physical bus divided into two virtual bus domain diagrams 167
Figure 108 – Diagram of virtualized AP interaction based on C/S communication model 169

Figure 109 – Virtualization ASE local implementation diagram 169
Figure 110 – AL protocol message header structure 171
Figure 111 – Message structure of multiple DTUs 173
Figure 112 – Transmission unit message format 174
Figure 113 – Time service notification message structure 174
Figure 114 – System management data message format 176
Figure 115 – Diagram of state transition of publisher state machine 177
Figure 116 – Diagram of state transition of subscriber state machine 179
Figure 117 – Diagram of state transition of client state machine 180
Figure 118 – Diagram of transition state of server state machine 180
Figure 119 – Diagram of transition state of ALCE state machine 181
Figure 120 – Diagram of transition state of ALDE state machine 182
Figure 121 – Diagram of state transition for ALME state machine 183
Figure A.1 – Resource allocation example A 184
Figure A.2 – Resource allocation example B 185
Figure A.3 – Resource allocation example C 186
Figure D.1 – Multicast working mechanism diagram 189
Figure E.1 – Data transmission unit message content example 190
Figure F.1 – OPC UA data model and mapping of AUTBUS data model 191
Figure G.1 – Example of RTA service processing 192
Figure H.1 – Diagram of AUTBUS industrial bus service deployment 193
Figure H.2 – Diagram of networking topology based on the virtualized bus 193
Figure H.3 – Virtual network topology based on logical business function RT1 194

Table 1 – Unsigned type data coding 16
Table 2 – UINT16 type data coding 17
Table 3 – TIMEV type data coding 17
Table 4 – DATE2000 type coding 17
Table 5 – TIMEOFDAY type coding 18
Table 6 – TIMEDIFFER type coding 18
Table 7 – STRING type data coding 18
Table 8 – Physical device configuration information table 25
Table 9 – System configuration related information table 26
Table 10 – PhL synchronization management information table 27
Table 11 – System diagnosis and maintenance related information table 28
Table 12 – Physical communication resource management information table 29
Table 13 – Protocol stack version management information table 31
Table 14 – Link node management information table 32
Table 15 – Link timeout management information table 33
Table 16 – Time management information table 34
Table 17 – Network management information table 35
Table 18 – AUTBUS TMs and corresponding parameters 42
Table 19 – Working mode under carrier mode A 43

Table 20 – Working mode under carrier mode B 44
Table 21 – Ph-Param service primitives and parameters 45
Table 22 – Ph-Param service primitive parameter description 45
Table 23 – Ph-Data service primitives and parameters 45
Table 24 – Ph-Data service primitive parameter description 46
Table 25 – Ph-Clock-Sync service primitives and parameters 46
Table 26 – Ph-Clock-Sync service primitive parameter description 46
Table 27 – Ph-RESET primitives and parameters 48
Table 28 – Ph-RESET service primitive parameter description 48
Table 29 – Ph-SET-VALUE primitives and parameters 48
Table 30 – Ph-SET-VALUE primitive parameter status description 48
Table 31 – Ph-GET-VALUE service primitives and parameters 48
Table 32 – Ph-EVENT service primitive and parameters 49
Table 33 – Ph-SYNC service primitives and parameters 49
Table 34 – RS code mode 54
Table 35 – Convolutional code mode 55
Table 36 – Bit interleaving parameters 56
Table 37 – OFDM configuration parameters 57
Table 38 – Modulation Coding Scheme in carrier mode A 58
Table 39 – Modulation Coding Scheme in carrier mode B 58
Table 40 – Minimum services at MDS-MAU interface 59
Table 41 – Allowable constellation diagram errors in different modulation modes 61
Table 42 – System transmission parameters 62
Table 43 – Transmission medium interface 62
Table 44 – NodeID address assignment of AUTBUS DLL 67
Table 45 – NodeID and MAC address mapping 68
Table 46 – Members of Multicast Group Mapping Table Description 68
Table 47 – CLMDTA service primitives and parameters 74
Table 48 – CLMDTA service primitive parameter description 74
Table 49 – CLMDTNA service primitives and parameters 76
Table 50 – CLMDTNA service primitive parameter description 76
Table 51 – CLMDTRA service primitives and parameters 78
Table 52 – CLMDTRA service primitive parameter description 78
Table 53 – CLMDTRRNA service primitives and parameters 80
Table 54 – CLMDTRRNA service primitive parameter description 80
Table 55 – CMDTA service primitives and parameters 82
Table 56 – CMDTA service primitive parameter description 82
Table 57 – CMDTNA service primitives and parameters 84
Table 58 – CMDTNA service primitive parameter description 84
Table 59 – DLS status output value description 85
Table 60 – Data-link config management service 86
Table 61 – Data-link config management service primitive parameter description 86
Table 62 – CFG_PARAM_INFO structure description 87

Table 63 – TIMEOUT_CFG structure description 88
Table 64 – GROUP_IDMAP_S structure description 88
Table 65 – NODEID_MAC_S structure description 88
Table 66 – COMM_RES_CFG structure description 89
Table 67 – Data-link discovery service primitives and parameters 91
Table 68 – Data-link discovery management service primitive parameter description 91
Table 69 – NODE_MGT_INFO_S structure description 92
Table 70 – Data-link maintenance service primitives and parameters 94
Table 71 – Data-link maintenance service primitive parameter description 94
Table 72 – DIAG_INFO_S structure member parameter description 94
Table 73 – Data-link establish management service primitives and parameters 96
Table 74 – Data-link establish management service parameter description 96
Table 75 – CH_RES_INFO_S structure member description 97
Table 76 – Data-link release management service primitives and parameters 98
Table 77 – Data-link release management service primitive parameter description 99
Table 78 – Data-link update management service primitives and parameters 100
Table 79 – Data-link update management service primitive parameter description 100
Table 80 – DLMS status return value description 101
Table 81 – Delay measurement service primitives and parameters 102
Table 82 – Delay measurement service primitive parameter description 103
Table 83 – Clock synchronization service primitives and parameters 104
Table 84 – Clock synchronization service primitive parameter description 105
Table 85 – Clock interrupt service primitives and parameters 106
Table 86 – Clock interrupt service primitive parameter description 106
Table 87 – DLCSS status return value description 107
Table 88 – DLDE state transition description 131
Table 89 – DLME state machine state transition description 133
Table 90 – DLCE state machine state transition description 134
Table 91 – Description of time information structure TIMEINFO_S 138
Table 92 – Description of clock option information structure CLOCK_OPTION_INFO_S 138
Table 93 – Description of network configuration parameter structure NETWORK_CFG_PARA_S 139
Table 94 – Description of MAC mapping table NETWORKID_MAC_MAP_TABLE_S 139
Table 95 – Description of IP mapping table structure IP_MAP_TABLE_S 140
Table 96 – Service data mapping table parameter list 142
Table 97 – Communication models supported by AUTBUS AL ASEs 145
Table 98 – Application service interface return value list 145
Table 99 – RT Data service interface parameters 146
Table 100 – nRT data service interface parameters 148
Table 101 – Timing service interface parameters 151
Table 102 – Resource service interface parameters 154
Table 103 – Addressing service interface parameters 157
Table 104 – Management service interface parameters 161

Table 105 – Virtual service interface parameters 168
Table 106 – Read service parameters 170
Table 107 – Write service parameters 170
Table 108 – Application service errcode description 171
Table 109 – AL service type flag encoding 172
Table 110 – State transition table of publisher state machine 177
Table 111 – State transition table of subscriber state machine 178
Table 112 – State transition table of client state machine 179
Table 113 – State transition table of server state machine 180
Table 114 – State transition table of ALCE state machine 181
Table 115 – State transition table of ALDE state machine 182
Table 116 – State transition table of ALME state machine 183
Table B.1 – RS code (255,247) generating polynomial 187
Table B.2 – RS code (255,239) generating polynomial 187
Table B.3 – RS code (255,223) generating polynomial 187
Table C.1 – Example of NodeID and MAC address mapping table saved on TN 188
Table H.1 – Virtual bus environment node NETWORKID list 195

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INDUSTRIAL COMMUNICATION NETWORKS – BROADBAND FIELDBUS SPECIFICATION – AUTBUS

1 Scope

This document defines the broadband fieldbus specification AUTBUS. AUTBUS implements real-time, high reliability and deterministic transmission and application for both industrial fieldbus data and ISO/IEC/IEEE 8802-3 Ethernet data by shared medium bus.

This document explains the structure and content of AUTBUS, and describes the definition and specification of Physical Layer (PhL) protocol / service, Data-link Layer (DLL) protocol / service and Application Layer (AL) protocol / service of AUTBUS.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO/IEC 7498-1:1994, *Information technology – Open Systems Interconnection – Basic Reference Model: The Basic Model*

ISO/IEC 7498-3:1997, *Information technology – Open Systems Interconnection – Basic Reference Model: Naming and addressing*

ISO/IEC/IEEE 8802-3:2017, *Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 3: Standard for Ethernet*