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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*