

ICS 25.040
CCS N10



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 47014.2-2026

**Industrial communication networks - Fieldbus specifications -
Type 2 elements: EtherNet/IP, ControlNet and DeviceNet
specifications - Part 2: Data-link layer protocol specification**

工业通信网络 现场总线规范 类型2元素：EtherNet/IP，ControlNet和DeviceNet
规范 第2部分：数据链路层协议规范

(English Translation)

Issued on: January 28, 2026

Implemented on: August 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

GB/T 47014.2-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 January 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 August 2026.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the China Machinery Industry Federation.

Classification: ICS 25.040; CCS N10.

1 Scope

Industrial automation networks depend on precisely defined protocols, and this document is Part 2 of the fieldbus specifications for type 2 elements covering EtherNet/IP, ControlNet and DeviceNet. This part contains the data-link layer protocol specification. It is a recommended national standard and a large technical document.

Developers of controllers, drives, sensors and network interface products, protocol stack engineers, test laboratories and system integrators who work with these networks are the intended readers. Engineers who need a formal definition of data-link behaviour, rather than a product manual, will want to consult it.

It was issued on 28 January 2026 and took effect on 1 August 2026, so it is already in force. No earlier edition is identified in the available record.