

ICS 35.110
CCS L 79



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

GB/T 44817-2024

**Information technology - Telecommunications and information
exchange between systems - Virtual bridged local area
networks bridge port extension**

信息技术 系统间远程通信和信息交换 虚拟桥接局域网网桥端口扩展

(English Translation)

Issued on: October 26, 2024

Implemented on: May 1, 2025

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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References

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is modified to adopt ISO/IEC/IEEE8802-1BR.2016 "Local Area Telecommunications and Information Exchange between Information Technology Systems Specific requirements for LANs and metropolitan area networks Part 1BR. Virtual Bridged Local Area Network Bridge Port Extensions.

Compared with ISO/IEC/IEEE8802-1BR.2016, this document has the following structural adjustments.

--- Deleted the 9.9.8.1 clause in ISO/IEC/IEEE8802-1BR.2016, which only had one clause;

--- This document adds 6.9, 6.10, 6.11, 6.11.6, 6.12, 6.14, 7.5, 9.2, 9.2.1, the suspension sections under 9.6.3 and 10.2 are numbered, and the subsequent numbers are extended accordingly;

--- The numbers of figures and tables in ISO/IEC/IEEE8802-1BR.2016 are arranged in sequence by chapter. This document is revised to sequential numbering;

---6.2~6.17 correspond to 6.1~6.16 in ISO/IEC/IEEE8802-1BR.2016, and 6.1 is added;

---8.2~8.13 correspond to 8.1~8.12 in ISO/IEC/IEEE8802-1BR.2016, and 8.1 is added;

---10.2~10.3 correspond to 10.1~10.2 in ISO/IEC/IEEE8802-1BR.2016, and 10.1 is added;

---11.2~11.5 correspond to 11.1~10.4 in ISO/IEC/IEEE8802-1BR.2016, and 11.1 is added;

---6.7 corresponds to 6.7 and 6.7.1 in ISO/IEC/IEEE8802-1BR.2016;

---B.2.2~B.2.4 correspond to Appendix B.2.1~B.2.3 of ISO/IEC/IEEE8802-1BR.2016, and add B.2.1;

---D.3 corresponds to D.3 and D.3.1 in ISO/IEC/IEEE8802-1BR.2016;

--- Deleted the chapter number of Appendix C.1 in ISO/IEC/IEEE8802-1BR.2016.

The technical differences between this document and ISO/IEC/IEEE8802-1BR.2016 and their reasons are as follows.

--- Deleted the port extender control and status agent in the terminology to comply with the requirements of GB/T 1.1-2020;

--- Deleted BPDU, EISS, MRP, MS, and PID from the abbreviations to comply with the requirements of GB/T 1.1-2020;

--- Replaced ISO/IEC/IEEE8802-1AB.2017 (see 5.3, 5.4, 6.7, Appendix A.6) The consistency between the two documents is modified to adapt to my country's technical conditions and increase operability;

--- Replaced ISO/IEC/IEEE8802-1Q.2016 (see Chapters 5 to 11) with the normative reference GB/T 44812-2024 Chapter and Appendix A to Appendix C), the consistency between the two documents is modified to adapt to my country's technical conditions, increase operability;

---Add TLSec technology (see Chapter 11) as one of the security solutions. TLSec technology is based on a wired local area network (LAN) with a ternary peer-to-peer architecture.

Network media access control security is the security solution adopted by GB/T 15629.3, so this technical solution is added and the normative reference document GB/T 15629.3-2014 is used to adapt to my country's technical conditions and increase operability.