The regulatory body for network security equipment is

Article Overview

Network security equipment is regulated by a combination of international, regional, and national bodies, including ENISA in Europe, the FCC in the United States, ITU globally, and certification schemes like BSI-NESAS.

International and Global Standards

The International Telecommunication Union (ITU) sets global standards for telecommunications and network equipment, including safety and interoperability requirements. The IEEE defines technical standards for network protocols, such as the 802.11 series for wireless networks, ensuring devices from different manufacturers can operate together effectively .

Regional and National Regulatory Bodies

o ENISA (European Network and Information Security Agency): Advises the European Commission and EU countries on network and information security, coordinates security measures, and provides guidelines to enhance cybersecurity across the EU .
o FCC (Federal Communications Commission, USA): Regulates radio frequency (RF) emissions, wireless device compliance, and ensures safe operation of telecom and networking equipment in the United States .
o ETSI (European Telecommunications Standards Institute): Sets RF and telecom standards in Europe, complementing ENISA's security guidance .

Certification and Assurance Schemes

o BSI-NESAS (Network Equipment Security Assurance Scheme): A European certification framework that evaluates the security of network equipment, processes, and services. Vendors can obtain NESAS certification to demonstrate compliance with security requirements .
o UL (Underwriters Laboratories): Provides safety testing and certification for network devices, ensuring compliance with electrical and operational safety standards .
o IEC IP Ratings (International Electrotechnical Commission): Standardizes protection levels of network equipment against dust and water ingress, commonly used for outdoor devices like wireless access points and IP cameras .

Summary

Network security equipment is subject to multi-layered regulation: international standards (ITU, IEEE), regional guidance (ENISA, ETSI), national compliance (FCC, UL), and formal certification schemes

(BSI-NESAS, IEC IP ratings). These bodies collectively ensure that network devices are secure, interoperable, and safe for deployment in various environments .

From 1st August 2025, all wireless devices placed on the EU market must comply with the RED cybersecurity requirements. TÜV

These Regulations implement Directive (EU) 2016/1148 of the European Parliament and of the Council concerning measures for a

Explore the key telecom and networking equipment certifications and their impact on security, efficiency, and regulatory

The regulation dictates for businesses to maintain a reasonable level of security and that they required security practices also extend

Helping organizations to better understand and improve their management of cybersecurity risk

The International Advisory Body offers guidance on safeguarding and enhancing the subsea networks that underpin the modern

Learn what compliance and regulatory frameworks are and the various types of frameworks you may come across in cybersecurity.

The American National Standards Institute (ANSI) is a private nonprofit organization that oversees the development of voluntary

Intertek is a leading provider of Certification for Wireless Network Technology offering pre-certification

CEN and CENELEC are business catalysts in Europe, removing trade barriers for European industry and consumers in order to

Pursuant to the Commission"s rules, the Public Safety and Homeland Security Bureau will maintain this list on the

Legal regulatory bodies that govern telecommunications systems in different countries are as follows.

The Cyber Resilience Act is the first European regulation to set a minimum level of cyber security for all connected products available

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ENISA supports National and EU authorities by enhancing cyber policy, ensuring ICT trustworthiness, and building

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