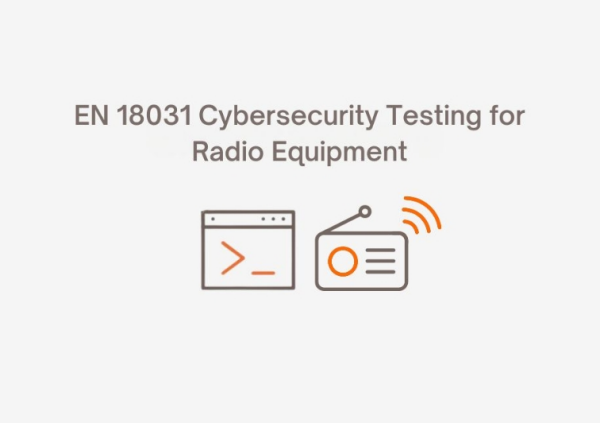
EN 18031 Cybersecurity Testing for Radio Equipment



What Is EN 18031?

EN 18031 is a harmonised standard developed by the **European Committee for Standardisation (CEN)** and the **European Committee for Electrotechnical Standardisation (CENELEC)** under their joint technical committee JTC 13 WG8, which focuses on cybersecurity and data protection.

The main goal is to **improve the ability of radio equipment** to protect its security assets and network assets **against common cybersecurity threats** and to mitigate publicly known exploitable vulnerabilities

What Are the Main Features of EN 18031?

Here are the **main features and focuses of EN 18031:**

- **Adoption of EN 18031**: The standard EN 18031 was approved, serving as the harmonised standard to meet the cybersecurity requirements outlined in the RED directive.
- **Focus on Cybersecurity**: The adoption of EN 18031 addresses cybersecurity articles (d), (e), and (f) of the RED directive, ensuring robust protection against cyber threats.
- **Enhanced Protection**: Manufacturers and stakeholders in the radio equipment sector will now need to adhere to EN 18031 to ensure their products comply with the latest cybersecurity regulations.

- **Implications for the Industry**: This standard provides a clear framework for cybersecurity, facilitating better protection of personal data, privacy and fraud with the goal of reducing the risk of cyber-attacks on radio equipment.

What Are the Key Components within EN 18031?

In the infographic below, we lay out the **key components within the standard EN 18031** broken down into three parts:

What Can We Find in EN 18031?

EN 18031 provides a **complete set of requirements** to be met, along with detailed rationales, guidance, and assessment criteria to **ensure correct application to radio equipment devices.**

Each requirement is evaluated in a **two-step process:** first, its **applicability to the product** is determined, and then the **implementation's suitability** is examined.

It also contains **comprehensive decision trees** that help the evaluator and manufacturer to understand the **applicability and pass/fail criteria.**

When Will EN 18031 Be Enforced?

The EN 18031 standards were developed in response to the **European Union's Delegated Regulation 2022/30/EU**, which mandates **specific cybersecurity requirements for radio equipment** under the **Radio Equipment Directive (RED).**

These requirements will be enforced **from August 2025**.

How Can Applus+ Laboratories Help You with EN 18031?

Applus+ Laboratories offers **comprehensive evaluation services** for radio equipment to ensure compliance with the EN 18031 standard (Part 1, 2 and 3), which aligns with the Radio Equipment Directive (RED) cybersecurity requirements.

Our services **help manufacturers verify that their products** meet the essential cybersecurity requirements, covering articles (d), (e), and (f) of the RED directive.

What Key Services Do We Offer for EN 18031?

In Applus+ Laboratories, we offer the **GAP analysis** and **Cybersecurity Compliance** to our clients to help them comply with EN 18031:

GAP Analysis

If you are new and need to evaluate your product against the harmonised standard to determine how close you are to compliance, **GAP Analysis is ideal for you.**

Here's an overview of GAP analysis:

- Analysis of product specifications to comply with EN 18031.
- Analysis of evidence requirements to comply with EN 18031.
- Identification of applicable cybersecurity requirements under EN 18031.
- Identification of gaps in compliance.

Cybersecurity Compliance

If you are confident and it's time to **officially evaluate your product** with an official certification process, **Cybersecurity Compliance** will guide you through it.

Here's an overview of Cybersecurity Compliance:

- Evaluation against EN 18031 standards.
- Generation of compliance reports.

Applus Laboratories is a **Notified Body for the Radio Equipment Directive**, (NB number 0370), including the **new cybersecurity requirements** that took into effect from February 1, 2022, and will be mandatory from August 1, 2025 (the EU extended the transition period 12 months in July 2023). Additionally, Applus+ Laboratories can act as an **evaluation laboratory to perform the assessments.**

Why Choose Applus+ Laboratories for EN 18031 Compliance?

After a long and dedicated journey with CEN/CENELEC JTC13 WG8, Applus+ Laboratories has been actively **working with key stakeholders**, including our clients. These clients have chosen us for **our recognised expertise** in harmonised standards and the relevant technology.

Contact us and ask for our comprehensive Evidence Checklist sheet to start your journey to the EN 18031 compliance.