

# ACCESS EN ISO 14122 4

## ISO 14122-4

### Short Summary

ISO 14122-4 is an international standard that specifies requirements and guidelines for the development and management of intellectual property (IP) assets within an organization. It provides a framework for:

- **Identifying and valuing IP:** Classifying IP assets, conducting IP audits, and determining their economic worth.
- **Managing IP:** Establishing processes for acquiring, protecting, and exploiting IP rights (e.g., patents, trademarks, copyright).
- **Protecting IP:** Implementing measures to prevent IP infringement and protect the organization's IP portfolio.

### Key Benefits

- **Improved innovation:** By fostering a clear understanding and management of IP, organizations can stimulate innovation and enhance their competitive advantage.
- **Enhanced monetization:** Effective IP management allows organizations to derive maximum value from their IP assets through licensing, partnerships, or product development.
- **Reduced risk:** A robust IP management system helps protect the organization from IP infringements and disputes.

## ISO 14122-4: Safety of Machinery - Permanently Installed Access Systems

### Key Terms

- **Permanently Installed Access Systems:** Systems designed to provide safe and continuous access to machinery or other industrial equipment.
- **Fixed Ladders:** Ladders that are permanently affixed to a structure and intended for frequent use.
- **Walkways:** Elevated platforms or bridges that provide access to elevated areas of machinery.

### Overview

ISO 14122-4 defines **safety requirements for the design, construction, installation, and maintenance of permanently installed access systems**. These systems are essential for ensuring the safety of workers performing maintenance or operating machinery in industrial environments.

### Design Considerations

The standard specifies **specific requirements for the design of access systems**, including:

- Ladder height, width, and angle

- Step spacing and shape
- Safety cages and fall arrest systems
- Walkway width and height
- Handrails and toeboards

## Safety Features

To enhance the safety of access systems, the standard requires:

- **Slip-resistant surfaces** to prevent falls.
- **Adequate lighting** to ensure visibility.
- **Emergency escape routes** in case of an emergency.
- **Regular inspections and maintenance** to ensure the continued safety and functionality of the system.

## Compliance

Compliance with **ISO 14122-4** is essential for employers to meet their obligations for worker safety. By implementing the requirements of the standard, organizations can minimize the risks of accidents and injuries associated with access to machinery and equipment.

## ISO 14122-4:2016

### Where to Get the Document

The ISO 14122-4 standard can be purchased from the following organizations:

- **International Organization for Standardization (ISO):** <https://www.iso.org/standard/63298.html>
- **American National Standards Institute (ANSI):** <https://webstore.ansi.org/Standards/ASME/AS1412242016/download/>
- **British Standards Institution (BSI):** <https://shop.bsigroup.com/Products/000000000030265926/ISO-14122-42016-Plastics-Fibres-Reinforced-Plastics-Composites-Determination-of-Flexural-Properties>

### Note

\*\*This is a paid standard.

## Why You Should Read About ISO 14122-4

### Benefits of Understanding ISO 14122-4:

- **Enhanced Measurement Accuracy:**
  - Provides guidance on best practices for measuring and controlling vibration emissions from industrial machines.
  - Helps ensure accurate measurements that comply with regulatory requirements.
- **Improved Machine Reliability:**
  - Identifies potential sources of vibration and provides recommendations for mitigating them.
  - By addressing vibration issues, you can reduce downtime and improve machine longevity.

- **Reduced Environmental Impact:**

- Vibration can be a nuisance and have adverse effects on the environment.
- ISO 14122-4 provides methods for assessing and controlling vibration emissions, contributing to noise reduction and environmental protection.

- **Compliance with Standards:**

- Many countries and industries require manufacturers to meet ISO 14122-4 standards for vibration testing.
- Reading about the standard will help you ensure compliance and avoid legal liabilities.

- **Improved Customer Satisfaction:**

- Low-vibration machines are less likely to cause discomfort or damage to products.
- By meeting ISO 14122-4 requirements, you can increase customer satisfaction and reduce warranty claims.

- **Reduced Operating Costs:**

- Vibration can lead to increased energy consumption and maintenance costs.
- By managing vibration effectively, you can optimize machine performance and save money.

- **Enhanced Safety and Ergonomics:**

- Excessive vibration can pose safety hazards and discomfort for operators.
- ISO 14122-4 provides guidance on reducing vibration exposure, improving working conditions, and preventing injuries.