The document **IS 14639:2021**, identical to **ISO/IEC 25051:2014**, provides a comprehensive standard for **Ready to Use Software Product (RUSP)**. It sets quality requirements, test documentation requirements, and conformity evaluation instructions for software products that users can directly use without additional development.

Applicable to Ready to Use Software Products (RUSP), including consumer applications like text processors, spreadsheets, mobile apps, and other software. Open-source software is explicitly excluded.

Ensures the quality of RUSP through detailed product descriptions, user documentation, and software testing. Provides instructions for testing RUSP to confirm performance claims.

This standards specifies about Product Description Requirements, User Documentation Requirements, Quality Requirements for Software. Quality attributes must align with ISO/IEC 25010 standards, ensuring: Functional completeness and correctness, Reliability, usability, and security, Compatibility, performance, and maintainability

The standard ensures that Ready to Use Software Products are reliable, functional, and user-friendly while providing detailed guidelines for evaluation and testing to build confidence in their quality.

This standard to be revised in line with latest ISO/IEC and IEE standards because the **IS 14639** standard is required for several key reasons, especially in the context of **Ready to Use Software Products (RUSP)**:

**1. Ensuring Software Quality and Reliability**

* RUSP are widely used in **business, safety-critical, and personal applications**, where errors or failures can have significant consequences.
* The standard defines clear **quality attributes** such as functional suitability, reliability, usability, and security to ensure the software performs as promised.
* It ensures suppliers and developers meet these quality requirements and provide software free from critical defects.

**2. Confidence in Software Performance**

* For **buyers and end users**, the standard provides assurance that RUSP will function as described.
* Users often have no way to evaluate software before purchase; this standard requires verifiable, testable claims in product descriptions and documentation.
* It provides criteria for **testing and evaluation**, ensuring software products meet advertised performance standards.

**3. Uniformity and Compliance**

* The standard establishes a **uniform framework** for software evaluation, ensuring consistency across the industry.
* Organizations can adopt it to demonstrate **conformity** to international best practices, enhancing trust among stakeholders.
* Regulatory authorities can use the standard for software deployed in **safety-critical** or **business-critical environments**.

**4. Support for Testing and Certification**

* It provides **clear guidelines for testing** RUSP, including test plans, descriptions, and results documentation.
* Certification bodies, testing laboratories, and suppliers can use this framework to issue conformity certificates, enhancing product credibility.

**5. Facilitating User Decisions**

* By mandating detailed product documentation, the standard helps potential acquirers:
  + Evaluate software suitability for their tasks.
  + Compare products based on standardized criteria.
* End users can rely on accurate documentation for installation, operation, and troubleshooting.

**6. Risk Management**

* For critical applications, the standard provides guidance to **identify and mitigate risks** such as data loss, security breaches, or system failures.
* By addressing known anomalies and limitations, the standard helps users make informed decisions and reduces unforeseen risks.

**7. Supporting Industry Best Practices**

* The standard aligns with **ISO/IEC 25010** for software quality models, ensuring global recognition.
* Adopting it supports industry-wide best practices, encouraging **continuous improvement** in software quality.

In view of the above, standard may be revised.