Course code: S1029

ISO/IEC 29110

Systems and software engineering

ISO/IEC 29110 is an international specific requirements for guiding very small entities (VSE) develop software or systems to improve their competitiveness. The standard is a series of international standards and guides entitled "Systems and Software Engineering — Lifecycle Profiles for VSEs". This standard is applicable to all organizations, regardless of size or complexities that concerns to software design, development, implement, and/or maintain. The standard is applied to demonstrate the ability to consistently manage software that meet regulatory requirements. This course helps aspiring participants to understand how ISO/IEC 29110 helps to continually improve organisational system using its best practice. Participants learn the details of each clauses of the standard requirement to be able to apply within their organization.

OBJECTIVE

- To describe the concept overview of the ISO/IEC 29110 requirement.
- To provide knowledge on software engineering management and describe how process management is applied in ISO/IEC 29110.
- To explain the importance of software engineering management system.
- To build awareness and encourage continual improvement within organization.

CONTENT

- **Session 1: Introduction**
Describe information security approach and how to use process mapping to understand a process. Identify which elements impact process performance and determine measures that can be used to monitor and improve the performance of the process.

- **Session 2: Terms and Definitions**
Describe relevant terms and definitions that normally use in the quality system.

- **Session 3: Risk-based thinking and tools of Related Standards**
Describe concept is implemented in conjunction with system. Explain risk-based thinking fosters a proactive culture of prevention and improvement

- **Session 4: Interpretation of standard requirement**
Describe the ISO/IEC 29110 requirement in project management and software implementation clause by clause that implemented in conjunction with organization system. Explain concept and awareness to improve effectiveness of the system.

- **Session 5: Conclusion**
Conclude requirement and explain step to implement the system.

Exercise workshop will also be delivered in each key sessions

PREREQUISITES

Basic knowledge in quality is optional. Experience in any industry will be more benefit.

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