SYNOPSIS OF Doc LITD 14 (10608) of LITD

Number and Title of the Indian Standard: LITD 14 (10608)

SOFTWARE QUALITY ENGINEERING — DEVELOPMENT PROCESS — SOFTWARE DEVELOPMENT MANAGEMENT SYSTEM (SDMS) REQUIREMENTS

a) **Scope:**

This Standard covers all types of Software development unit (e.g. Standalone, web-based, embedded). This Indian Standard specifies the requirements for establishing, implementing, operating, monitoring, reviewing, maintaining and improving a documented Software Development Management System SDMS within the context of the software development unit (SDU) and its overall business risks. It specifies requirements for the implementation of quality attributes customized to the needs of individual SDU or parts thereof.

The SDMS is designed to ensure the selection of adequate and proportionate quality-attribute controls that protect from application flaws in terms of functional, security, usability, performance, safety requirements and give confidence to interested parties

It covers the following;

      a) Identification of software requirements
      b) Identification of quality requirements
      c) Identification of software development controls and tasks
      d) Auditing and conformance procedures

b) Salient features of content:

This Indian Standard adopts a process approach for establishing, implementing, operating, monitoring, reviewing, maintaining and improving a software development units' SDMS.

This Indian Standard is aligned with IS/ISO 9001:2000, IS/ISO IEC 27001, and IS/ISO 20000 in order to support consistent and integrated implementation and operation with related management standards. One suitably designed management system can thus satisfy the requirements of all these standards.

This Indian Standard is designed to enable the software development unit to align or integrate its SDMS with related management system requirements.

c) Types/grades/classes, if any covered in the standard: NA

d) **Justification for publishing this standard :** The SDMS standard is aimed at ensuring that any conformant organization in India that delivers software will have systems in place at the level of business units (SDUs) that will identify quality requirements based on threat assessment and support SDUs to choose mitigation controls from the pre-defined annexure controls.

e) Disclaimer (to be automatically provided by the program/software)