



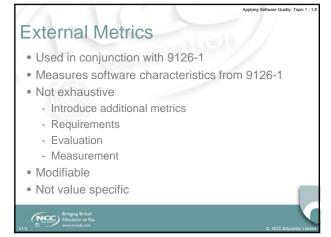
Learning Outcomes By the end of this topic, students will be able to: Identify and discuss international standards; Name and compare (software) quality institutes; Create a software quality plan; Research quality standards and form conclusions; Report findings

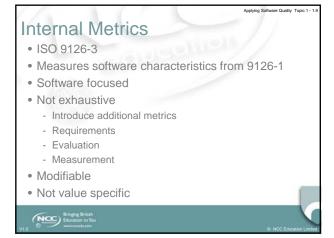
Standards and Institutes • More international standards are being introduced: - ISO 9126 - ISO 25010 - TickIT • Many institutes: - Consortium for IT Software Quality - European Foundation for Quality Management - American Society for Quality - Quality Assurance Institute - Software Engineering Institute

International Standards Iso is once again the primary forerunner in software quality legislation. Iso 9126 Four parts Iso 9126-1 to 9126-4 Replaced 2011 Software quality evaluation Iso 25010 Systems and software quality requirements and evaluation (SQuaRE) Launched 2011



Quality Model ISO 9126-1 Structured software quality characteristics: Functionality Reliability Usability Efficiency Maintainability Portability Each characteristic is further divided.





Quality in Use Metrics ISO 9126-4 Measures 9126-1 attributes Software effects within specific environment Provides guidance Metrics application Evaluation Reporting format





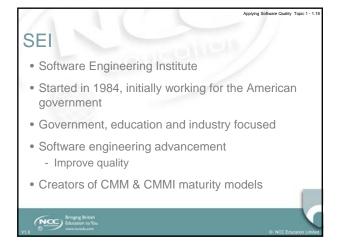
System and software quality models Two categories Quality in use model Product quality model Encompasses whole human-computer system Enables software specification and evaluation From varied perspectives For varied activities ISO 25012 Additional standard model for data quality



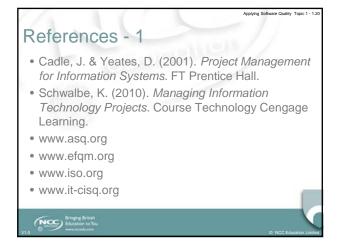








Module Review Six learning outcome subject areas: Social, ethical and professional issues Project management Software deployment Risk management IT service management Software quality





| | Applying Software Quality Topic 1 - 1.22 |
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| Topic 12 - Applying Software (| Quality |
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| Any Questions? | |
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