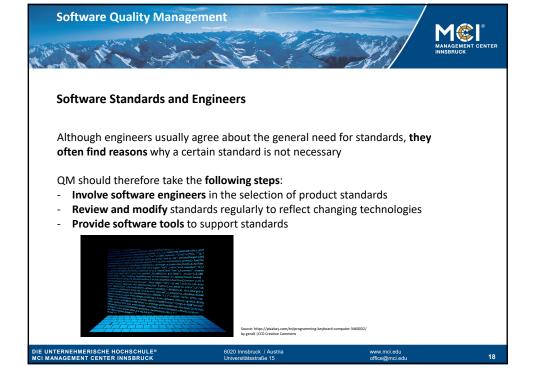


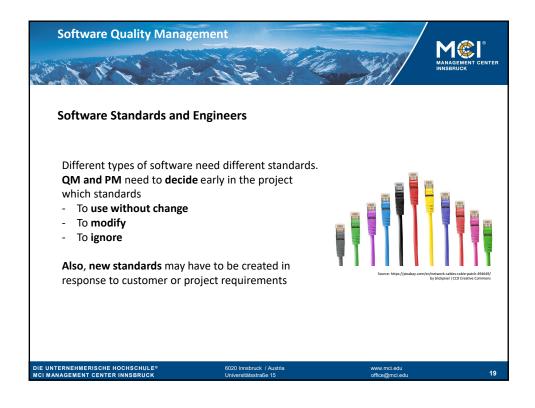


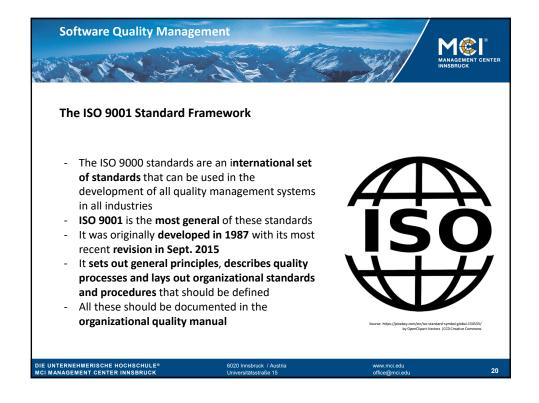
Product standards

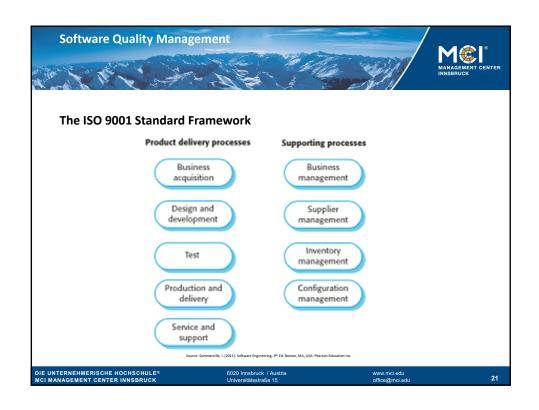
Applies to the software product being developed i.e. documentation standards, coding standards, etc.

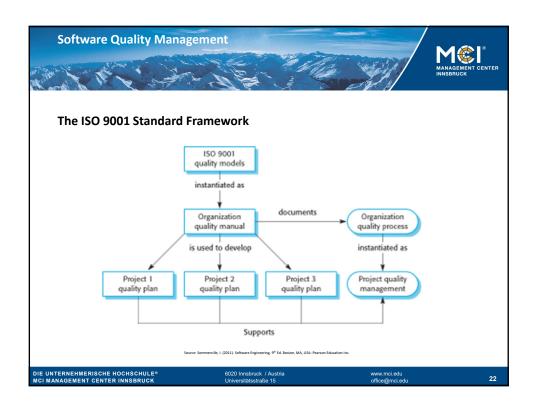
Process standards Define the processes to be followed during development e.g. definition of specification, design and validation processes, etc.

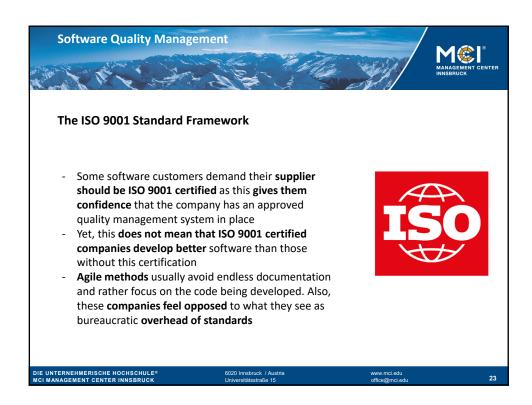












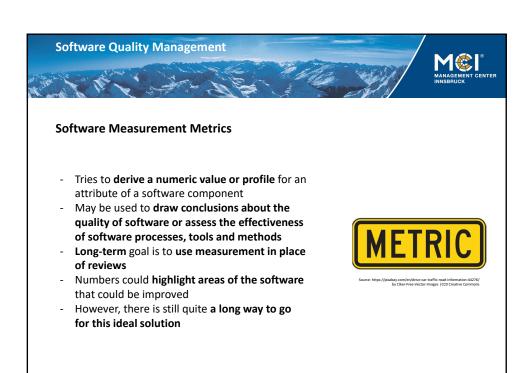














What you should have taken away from this class:

- Software quality management is concerned with ensuring that software has a low number of
 defects and that it reaches the required standards of maintainability, reliability, portability, and so
 on. It includes defining standards for processes and products and establishing processes to check
 that these standards have been followed.
- Software standards are important for quality assurance as they represent an identification of 'best practice'. When developing software, standards provide a solid foundation for building good quality software.
- You should document a set of quality assurance procedures in an organizational quality manual.
 This may be based on the generic model for a quality manual suggested in the ISO 9001 standard.
- Reviews of the software process deliverables involve a team of people who check that quality standards are being followed. Reviews are the most widely used technique for assessing quality.
- In a program inspection or peer review, a small team systematically checks the code. They read
 the code in detail and look for possible errors and omissions. The problems detected are then
 discussed at a code review meeting.
- Software measurement can be used to gather quantitative data about software and the software
 process. You may be able to use the values of the software metrics that are collected to make
 inferences about product and process quality.

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