Versioning first change

Software quality assurance (SQA) consists of a means of monitoring the [software engineering](https://en.wikipedia.org/wiki/Software_engineering" \o "Software engineering) processes and methods used to ensure quality. The methods by which this is accomplished are many and varied, and may include ensuring conformance to one or more standards, such as [ISO 9000](https://en.wikipedia.org/wiki/ISO_9000" \o "ISO 9000) or a model such as [CMMI](https://en.wikipedia.org/wiki/CMMI" \o "CMMI).

SQA encompasses the entire [software development](https://en.wikipedia.org/wiki/Software_development" \o "Software development) process, which includes processes such as requirements definition,[software design](https://en.wikipedia.org/wiki/Software_design" \o "Software design), [coding](https://en.wikipedia.org/wiki/Computer_programming" \o "Computer programming), [source code control](https://en.wikipedia.org/wiki/Revision_control" \o "Revision control), [code reviews](https://en.wikipedia.org/wiki/Code_review" \o "Code review), [software configuration management](https://en.wikipedia.org/wiki/Software_configuration_management" \o "Software configuration management), [testing](https://en.wikipedia.org/wiki/Software_testing" \o "Software testing), [release management](https://en.wikipedia.org/wiki/Release_management" \o "Release management), and product integration. SQA is organized into goals, commitments, abilities, activities, measurements, and verifications.

Software quality assurance, according to [ISO/IEC 15504](https://en.wikipedia.org/wiki/ISO/IEC_15504" \o "ISO/IEC 15504) v.2.5 (SPICE), is a supporting process that has to provide the independent assurance in which all the work products, activities and processes comply with the predefined plans and ISO 15504