What is SPiCE 1-2-1?

SPiCE 1-2-1 is the self assessment tool for software development organizations and projects to evaluate and analyze their systems and software development processes according to **AutomotiveSPiCE** resp. **ISO/IEC IS 33000** (former 15504).

You perform an assessment to determine your strengths and weaknesses concerning your way of developing systems and software.

Use SPiCE 1-2-1 to rate selected processes for development for a project within a few days.

The result contains comprehensive evaluations and analysis in the form of charts. If demanded, a report can be generated.

The rating can be done on your own, within a group of your organization (Self-Assessment) or it can be guided using the help of a consultant (Guided Self-Assessment).

You can also perform externally assistet assessments and have the rating done by trained, experienced & iNTACS certified assessors. Contact us, we'll be happy to advise you about the ideal way how to perform an assessment!

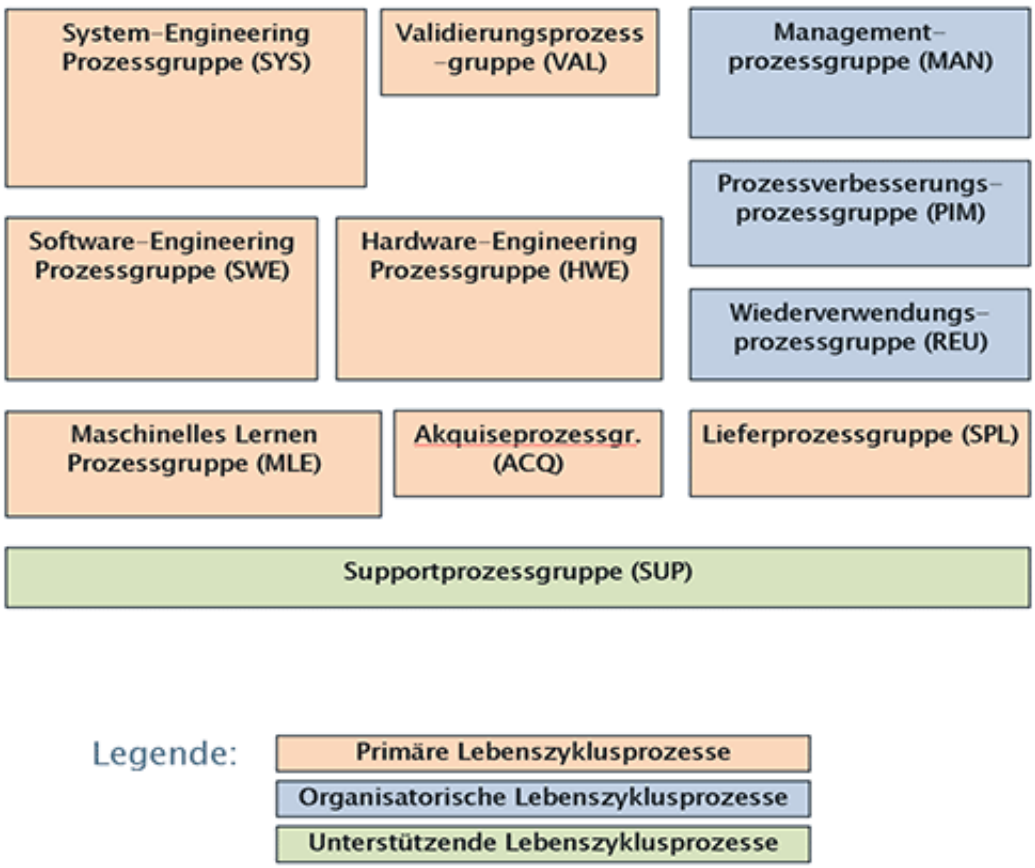
About ISO 33000/15504 and SPiCE:

ISO/IEC IS 33000 (former 15504) is an International Standard to assess software development processes.

At the beginning ISO 15504 was named SPiCE which is just an abbreviation for Software Process Improvement & Capability dEtermination.

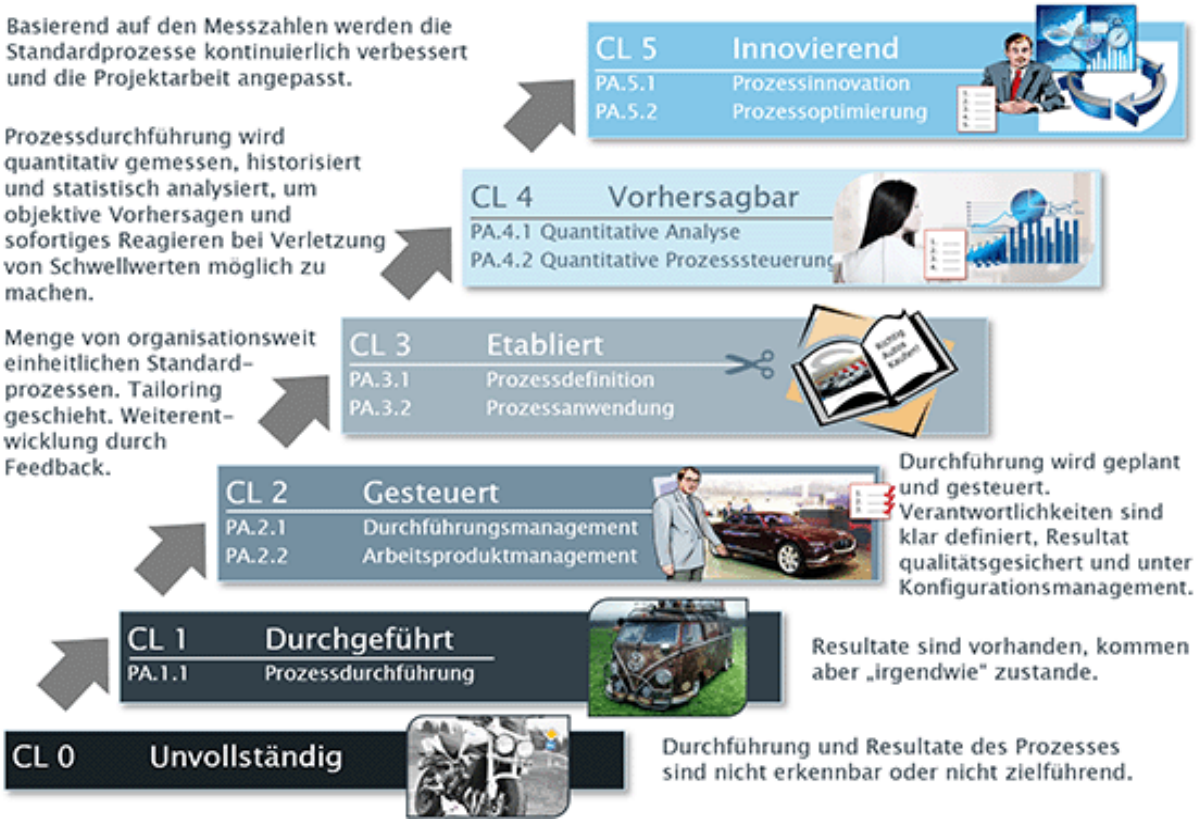
For the automotive industry and its suppliers, a special reference- and assessment model was created: AutomotiveSPiCE. AutomotiveSPiCE was developed by an iNTACS Work Group and is published by VDA QMC. This tool, SPiCE 1-2-1 for Automotive covers the AutomotiveSPiCE assessment model - which is fine for systems and software development and hardware development and machine learning- and additionally it contains the reference modell for mechanical engineering, cybersecurity and organizational SPiCE. Additional information about AutomotiveSPiCE can be found at www.AutomotiveSPiCE.com

Automotive SPiCE Process Groups



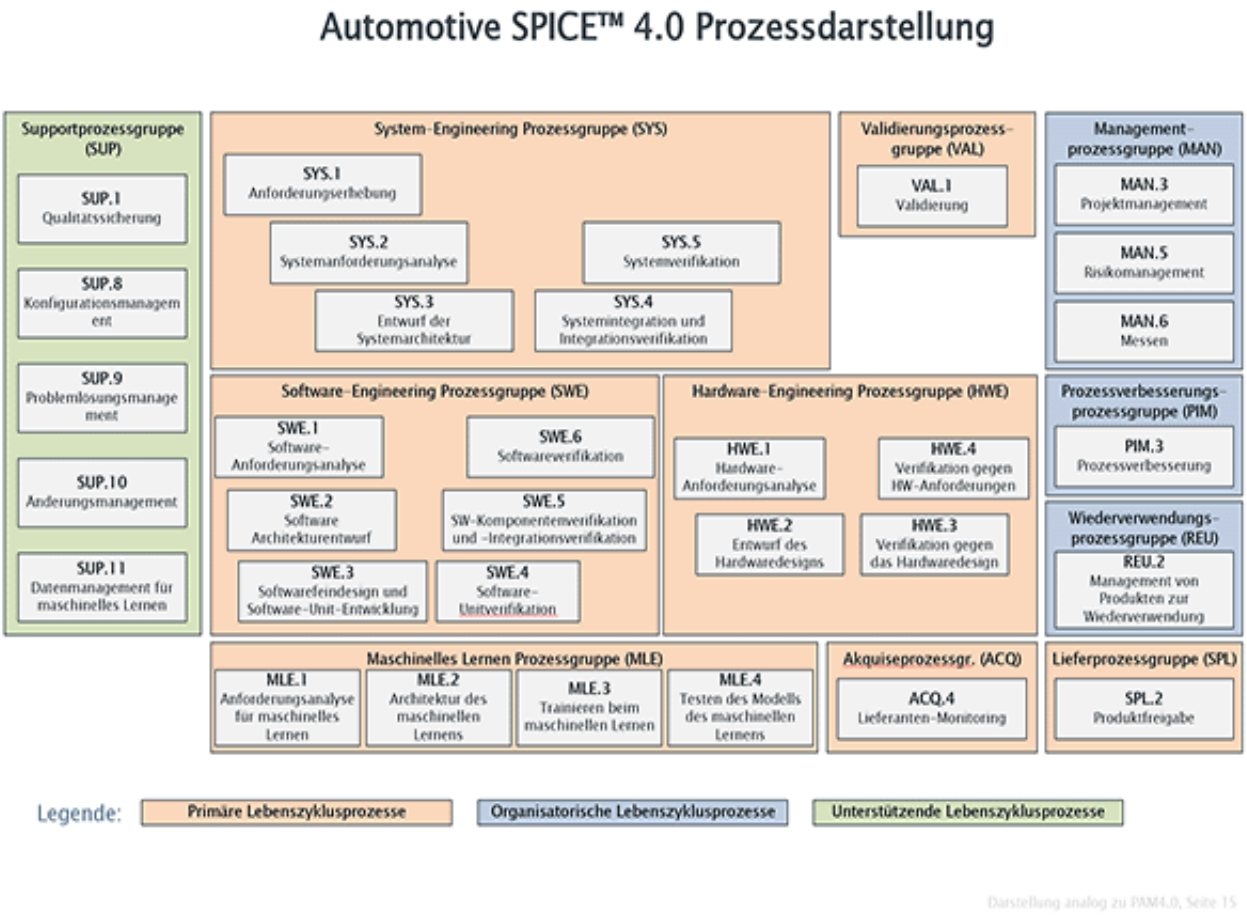
Well, the whole concept of SPiCE is based upon a reference model with processes having a defined capability dimension.

So SPiCE has defined the following Capability Dimension:



The underlying concept of SPiCE uses these attributes (PA is just short for Process Attribute) - which form the capability dimension of the model - in the same way for all processes. The advantage is, that once you understood the PAs, you not only can use them for processes part of the reference modell, but also for processes from other process reference modells or especially for your own business processes. This generic charcterization gives you an outline for the journey of process improvement - no matter which sort of proceses you have.

The current version of AutomotiveSPiCE contains the following 32 processes:



These processes are organized in eight process groups ACQ, SPL, SYS, SWE, SUP, MAN, PIM, and REU and new since PAM 4.0: VAL, MLE and HWE. The assignment is just for outlining purpose and has no further influence on the contents.

To align this reference model to ISO 12207, the process groups are assigned to three categories: Primary Life-Cycle Processes, Supporting Life-Cycle Processes and Organisational Life-Cycle Processes.

So far so good. Lots of additional information can be found at the links.