ABSTRACT

Title  IT competence - development of a measuring instrument

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Problem  In society of today corporate competence is an important factor for
survivor and development. IT is developing rapidly and can not be
ignored by companies. Then need for people with IT-competence is
conquent increasing. A survey of corporate IT-competence is therefore
of interest for companies as well as for local authorities.

To determine the IT competence within an organisation, this
competence has to be measurable. Therefore, it is necessary to define
the concept of IT competence. In agreement with our principal, we are
focusing on the manufacturing industry.

Purpose  To develop a measuring instrument which can be used to survey the IT
competence within a manufacturing sector.

Method  Our development of the measuring instrument is divided into four
steps. In the first step, we have made a definition of IT competence,
relevant literature and research. This definition is used in the second
step, where we connect our discussion in a matrix in order to illustrate
our reasoning regarding IT competence. In the third step, and based
this discussion, we are outlining questions, which all together form the
measuring instrument itself. In the last step, we deal with the
obscurities and ideas for improvement that have arisen through the test
investigation along with our own reflections about what could have
been done better.

Conclusion  We are using the ideas for improvement to change the measuring
instrument. When all the changes have been made, the final measuring
instrument has emerged, which means our assignment is completed.
Based on our studies, we can establish that it is possible to measure the
IT competence within an organisation, and thus, to survey the IT
competence in a local authority.