

# THE QUALITY OF THE ENTERPRISE ARCHITECTURE

Summary – This paper presents the results of research undertaken by the author for the public sector and telecommunication sector in Poland with regard to: enterprise architecture purposes, including: defining a matrix architectural purposes, the definition of project goals (metrics to determine the objectives), methodology including the methodology of construction of the data architecture.

The Presented results are actually used by public and TELCO sector enterprises in Poland to determine enterprise architecture quality for the integrated IT environments. The quality of architecture is defined and achieved through the achievement of its objectives. For measurement purposes the author has defined a number of measures listed in Chapter 2. Enterprise architecture is a relatively new field, on the development and of intensive work [10], [15]. This article represents the author's original contribution to an area previously unexplored, namely the definition of objectives and measurement of architectural quality. Known standards such as CMMI<sub>1</sub> [1-2] or SPICE<sub>2</sub> (ISO/IEC 15504 eng. (Software Process Improvement and Capability Determination)) [13], can not be used for this purpose. CMMI is used for determining the degree of maturity of the organization and provides only qualitative, not quantitative meters. SPICE reference model is too general to lead it to evaluate specific measures of IT architecture.