

THE QUALITY MANAGEMENT METAMODEL IN THE ENTERPRISE ARCHITECTURE

Summary – The paper presents the methodology for determining, management, simulation and optimization of the quality of an enterprise architecture based on defined by the author of two metamodels: classes and processes for quality management of this architecture. The second of them (the process metamodel) of quality management developed in BPMN has undergone simulation and optimization using ARIS Business Process Simulator. The results of this simulation and optimization are presented in the article. The presented research method developed by the author, and the results are related to and are a creative extension of the following ISO standards: • Software Engineering - a metamodel for Development Methodologies - ISO / IEC 24744 [1]; Systems and Software Engineering - Software Life Cycle Processes - ISO / IEC 12207 [2]; • Systems and software engineering - Architecture description – the ISO / IEC 42010 [3]; and the well-known methodologies: [ZACHMAN FRAMEWORK] A Framework for Information Systems Architecture. - Zachman, J. A, and [TOGAF] The Open Group Architecture Framework.