

The main task of this work is the implementation of a graphic vector electrotechnical editor. The editor is based on concept of CAD systems and is designed to accomplish standards that need to be followed. However work is not focused only on the electrotechnics. It includes also extensible component library and that's why it can be used for designing other types of technical documentation as well. The editor is developed on the base of the new technology Windows Presentation Foundation which is also described. The work demonstrates also new advantages and possibilities of this technology.