Instruction manuals have a direct impact on the efficiency of processes within nuclear facilities directly affecting the productivity and safety of employees. Operation handling must therefore be specified in an accurate manner that avoids ambiguity and prevents errors. To support this process, a framework was implemented for the computer based creation of instruction manuals for the operation of technical systems in nuclear facilities (ManPro). The tool is based on a modeling specification in the Unified Modeling Language (UML), which defines the components of a system. This paper extends the ManPro approach examining the ergonomic aspects for its system components and interactions.