Abstract

This paper illustrates IPS²-characteristics based on a scenario with two distinctive solutions in order to enhance the basic comprehension of IPS². The results obtained from the scenario are employed to construct an IPS² basic structure, which serves as a mediator between a specific, scenario-based, point of view and IPS² concept modelling in general. To overcome established distinctions between products and services, which hinder an integrated concept modelling approach, a shift of paradigm is proposed. Therefore an integrated modelling approach is design which is based on IPS²-objects & IPS²-process pairs as substitutes of disciplines’ respective artefacts in order to model IPS² system behaviour during early phases of development. Building on this, a new concept modelling approach for IPS² is introduced.