**Section E3**

**701/E3**

## A framework to support the transformation of models between different system development methodologies

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There have been a considerable amount of issues when considering models in different system development methodologies. Among them are the low compatibility between the conceptual models, logical models and system models, problems with the transformation from legacy system designs to object oriented system designs and issues with regard to conceptual modeling such as the unavailability of tools to develop such models. In this paper we look at an assortment of those issues. We also look at how various authors have used diverse criteria for the transformation of models between methodologies and compare how the different authors have converted the various different parameters of each model in Structured System Development into parameters of Object Oriented Analysis and Design. The main purpose of this paper is to study those issues and to propose a solution for these based on an Ontological Framework.

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