

Evolutionary Development of Large Models based on Predicate/Transition Nets

I. Incremental construction of nets by iterative application of:

- a) evaluation
- b) refinement
- c) formalization
- d) integration.

II. Step-wise adaptation of available net-based reference process models and reference object models to the requirements of a specific application:

Step 1. Selection, analysis and validation of reference process and data models.

Step 2. Deleting objects and activities that are not needed.

Step 3. Modifying naming of objects and activities.

Step 4. Modifying object and net structures.

Activities:

- Constructing informal net fragments
- Modeling object structure
- Formalizing net fragments
- Defining exceptions and exception handling mechanisms
- Including business rules, esp. aspects and temporal constraints
- Integrating net fragments.