Model-based Business Process Engineering (BPE) at a Glance

The Challenge

Today, in many branches knowledge has become the most important factor for production. This also includes that the organizational knowledge in a company in connection with the ability to generate new knowledge. It is also important to integrate the knowledge of linked communities – from business partners, associations, commercial agencies, analysts, public authorities.

To structure knowledge, business processes have proven themselves, in which business services can be orchestrated and create the connection to the implementation of the processes by means of business applications and web services.

Modeling is the key to building and structuring a comprehensive organization knowledge basis: formal graphic models serve to visualize and document organizational knowledge; they promote communication and enable analyses and simulation of business processes and business services.

The Solution

The Horus method defines steps both for model expansion through additional elements (activities, organization units etc.) as well as for joining various modeling elements (e.g., organization unit is responsible for an activity or executes it).

Phases of Horus Method

- Preparation of the engineering project (phase 0)
  Project definition creation takes place together with the initialization of the project during the preparation phase. This determines which parts of an organization will be examined – often called project scope – and what budget and time frames are available for this purpose. Project goals to be accomplished are additionally outlined and examined regarding their strategic and economic value, including a subsequent budget comparison.

- Phase of strategy and architecture (phase 1) & business process analysis (phase 2)
  Phases 1 and 2 build the core of Horus modeling. They deal with the analysis and modeling of strategic aspects associated with the business and system architecture, as well as a detailed examination of the business processes.

- Use of model (phase 3)
  The attainable uses of a Horus business process model go far beyond high-quality documentation. They extend from knowledge management to process implementation and business performance management to process evolution.

Reference book: Business Processes for Business Communities

Systematic Business Process Engineering (BPE)

Business Process Management (BPM) within the Horus Method

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