

A Simultaneous Business Design Method Utilizing G-RD

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ABSTRACT: *This paper proposes a new Simultaneous Design Method that is called Global Relations Diagram of function and demarcation (G-RD). When enterprises aim to perform BPR, not only the breakdown of business functions but also the design of the relations between businesses is required. Generally, BPR projects focus on the breakdown of business functions, but the relations between businesses are not fully designed by the conventional design method, Sequential Design Method, in many cases. In order to solve these problems, the modeling approach which details not only the business functions but also the relations simultaneously is required. This paper introduces some case studies which applies this Simultaneous Design Method to the BPR projects, and confirms the effectiveness of this Method utilizing G-RD.*

KEYWORDS: *Global Relations Diagram of Function and Demarcation (G-RD), Business Process Reengineering (BPR) Activity Sequence, Interaction, Goal-oriented, Modeling Approach, Function Point Practices.*

1. Introduction

Enterprises renovate management strategy and business structure in order to correspond to change of business environment. In recent years, an organizational renovation involving other enterprises is increasing due to Mergers and Acquisitions (M&A). A Business Structure Renovation is executed toward their own organizational renovation. In the meantime, the needs for these renovations are increasing, and to achieve business objectives, enterprises continuously execute a Process/Operation Renovation. Generally such a Process/Operation Renovation is accompanied by an IT System Renovation. Thus, enterprises must execute continuously three kinds of renovation, Businesses Structure Renovation, Process/Operation Renovation and IT System Renovation.

To design business structure, business process/operation, and IT system, it is necessary to define and break down business functions in detail. It is also necessary to design various relations, such as information or data, between business functions.