URN etd-0407109-183713-1048
Author MIN-NAN WU
Author's Email Address No Public.
Statistics This thesis had been viewed 51 times. Download 0 times.
Department
Year 2006
Semester 1
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title Using GFP to Decide the Implementation Priority of CMMI Process Areas
Date of Defense 0000-00-00
Page Count 75

Keyword
Balanced Scorecard
CMMI
design
Continuous Representation
Process Areas
Implementation Priority

Abstract
CMMI defines both staged and continuous representation. For continuous representation, organizations have to decide their implementation priority (or called selection priority) of the process areas. However, organizations usually have the difficulty to do it because CMMI does not suggest any objective and concrete approach for organizations to follow.
This research proposes a goal-driven strategic approach—GFP (Goal-Factor-Process) to conquer this problem. Based on the top-down design procedure of the Balanced Scorecard; GFP is a strategy provided to help organizations decide the implementation priority of the process areas step by step effectively. With GFP, organizations can thus decide the processes to improve; but, the most important is that organizations can achieve their visions defined by the Balanced Scorecard, through successful CMMI implementation.
The Balanced Scorecard is a standard strategic approach. It translates an enterprise's vision to objectives and down to employees' tasks, and makes the organization's resources surround the core of the objectives. Therefore, with the GFP-added Balanced Scorecard, the implementation priority of the CMMI process areas can be decided; employees will really understand the intension of quality of CMMI through constant communication and explanation of the organization's strategy; in addition, employees will be encouraged to cooperate with the process improvement. As a result, enterprises can successfully implement CMMI to become more competitive and finally make the vision come true.
Advisory Committee Ping-Wen Chen - advisor

Files No Any Full Text File.
Date of Submission 2007-08-18