Technical management processes of repository "foreign-language"

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Chapter 1

INTRODUCTION

This document specifies the development process of the "foreign-language" system, providing the project manager with the necessary information for the planning and management of the project lifecycle.

1.1 Full view of this document

This introduction provides the information needed to make good use of this document, explaining its objectives and the conventions that have been adopted in the text, as well as contains a list of references to other related documents. The other sections present the specification of the "foreign-language" system and are organized as described below.

- Section 2 - Project Planning Process: provides an overview of the system, characterizing the scope of the project management and technical activities, identifying process outputs, tasks and deliverables, establishing schedules for task conduct, including achievement criteria, and required resources to accomplish tasks.

- Section 3 - Process Assessment and Control Process: specifies the status of the project, technical and process performance, helping ensure that the performance is according to plans and schedules, within projected budgets, to satisfy technical objectives.

- Section 4 - Risk Management Process: provides information about risks of the project, describing process is to identify, analyze, treat and monitor the risks continually.

- Section 5 - Configuration Management Process: specifies all system elements what need to configuration management over the life cycle. Also, present the consistency management between a product and its associated configuration definition.

1.2   Conventions, terms and abbreviations

The interpretation correct this document exige the knowledge of some conventionals and specific terms, that are describes next.

1.2.1   Identification of commits

$$[< JobFunctionIDKey > \_ < ActivityIDKey > \_ <$$
$$CommitCounterPerJobfunction >] < DescriptionCommit >$$

1.2.2   Identification of tags for baseline or releases

Baseline tag
$$[tgbl\_ < JobFunctionIDKey > \_ <$$
$$ConfigurationItemIdKeyForManagement > \_ <$$
$$TagCounterPerItemOfConfiguration >]$$

Release tag
$$[tgrl\_ < JobFunctionIDKey > \_ <$$
$$ConfigurationItemIdKeyForManagement > \_ <$$
$$TagCounterPerItemOfConfiguration >]$$

1.3   References

Documents related to the "foreign-language" system and / or mentioned in the following sections:

Chapter 2

PROJECT PLANNING PROCESS

2.1 Plan project and technical management

2.2 Project phases

The development process adopted for this project has in its scope the following phases:

1. Conception: is the first phase of the process, in which it seeks to raise the key requirements and understand the system comprehensively. The results of this phase are usually a requirement and risk document, a high-level use case listing, and a use case-based development timeline.

2. Elaboration: this phase involves detailed system analysis, domain modeling and system design using the design patterns.

3. Construction: includes a part of implementation and testing.

4. Transition: Upon ready, the system will be deployed replacing the current system of either manual or computerized.

   As subções 2.2.1 a 2.2.4 apresentam o detalhamento de atividades em cada fase do processo de desenvolvimento adotado.

2.2.1 Concepção

The conception phase presents in its scope the following activities:

1. [*busmdl*] Business modeling (System overview)

   In this activity, all possible information about the system must be obtained. The product of this step will be *system overview document.*

2. [*reqgat*] Requirements Gathering

   It corresponds to searching for all the possible information about the functions that the system must execute and the reticulations on which the system must operate. The product of this step will be the *documento de requisitos*, main component of the software design.

3. [*reqaly*] Requirements Analysis

   It serves to structure and detail the requirements so that they can be approached in the elaboration phase for the development of other elements such as use cases, classes, and interfaces.

4. [*hlucse*] High-level use cases

   In this activity it is necessary to identify the main use cases of the system. The use cases devel cover the main business activities linked to the system that will be developed.

2.2.2   Elaboração

A fase de elaboração apresenta em seu escopo as seguintes atividades:

1. Expansion of use cases

2. Determination of events and system responses

3. Construction or refinement of the conceptual model

4. Elaboration of operations contracts and system queries

2.2.3   Construção

2.2.4   Transição

Chapter 3

PROCESS ASSESSMENT AND CONTROL PROCESS

Chapter 4

RISK MANAGEMENT PROCESS

Chapter 5

CONFIGURATION MANAGEMENT PROCESS