Flight Management System

Version <1.0>

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Revision History

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| **Date** | **Version** | **Description** | **Author** |
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# Introduction

## Purpose

The purpose of this document is to identify business value of a proposed software system.

## Scope

The proposed software system to be analysed in this business case is a Flight Management System.

[A brief description of the scope of this **Business Case**; what Project(s) it is associated with, and anything else that is affected or influenced by this document.]

## Definitions, Acronyms and Abbreviations

FMS – Flight Management System

## References

[This subsection should provide a complete list of all documents referenced elsewhere in the **Business Case**. Each document should be identified by title, report number (if applicable), date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]

## Overview

[This subsection should describe what the rest of the **Business Case** contains and explain how the document is organized.]

# Product Description

The proposed software system under analysis is a Flight Management System (FMS). This system will endeavour to automate major operations of an airline including providing stakeholders with an electronic means of undertaking flight booking associated tasks.

The systems primary users are individual customers, travel agencies and management staff.

The FMS includes the following systems –

* Reservation System - Manages flight reservations
* Profile Sub-System - Manages passengers and travel agency profiles
* Service Sub-System - Manages in-flight services
* Reporting Sub-System - Generates reports relating to the airlines operations

The system described above will automate a portion of the airlines operations. This will provide many benefits including –

* Staff assistance reductions – Customers can book flights without requiring any staff assistance
* Bookings can occur anytime – Customers are not restricted to booking during traditional business hours
* Assist management decision making – Management can access reports from system to assist in decision making and scheduling of aircrafts
* Automation of manual tasks – Management can
* Remain competitive – Many competing airlines already make use of such systems
* Potential for increased market share – increased online presence can result in company growth and increased market share

[To give a context to the reader, briefly describe the product that is to be developed. Include the name of the system and possibly an acronym, if one is used. Explain what problem it solves and why the development will be worth the effort. Refer to the **Vision** document.]

# Business Context

The FMS is to be designed for the airline industry. The business need for such a system stems from competitor use and potential operational cost reductions.

[Define the business context for the product. In which domain is it going to function (for example, telecom or bank) and what market—who are the users? State whether the product is being developed to fulfill a contract or if it is a commercial product. If it is a continuation of an existing project, this should also be mentioned.]

# Product Objectives

The overall objective of the FMS is to automate and manage flight reservation, customer profiles, in-flight services and report generation. These objectives can be further broken down into more specific objectives.

The product objectives include –

* Automation of customer bookings including in-flight services
* Customer self-managed profiles
* Automated reporting system

[State the objectives for developing the product— the reasons why this is worthwhile. This includes a tentative schedule, and some assessment of schedule risks. Clearly defined and expressed objectives provide good grounds for formulating milestones and managing risks; that is, keeping the project on track and ensuring its success.]

# Constraints

The following constraints have been identified in relation to the development of an FMS meeting the above criteria.

* The FMS must be constructed within a 12 week period
* The software development team size must contain 4-5 members
* The implementation language is to be C++ or Java
* The system interface can be a Graphical User Interface or a command line interface

[Express the constraints under which the project is undertaken. These constraints impact risk and cost. They could be things like external interfaces that the system must adhere to, standards, certifications or a technical approach employed for strategic reasons, such as using a certain database technology or distribution mechanisms.]

Do we need feasibility studies???