

Insurance Policy Processing System

Design Document

TABLE OF CONTENTS

1) KEY OBJECTIVES	3
2) INSURANCE TERMINOLOGY	3
3) REQUIREMENTS ANALYSIS	4
4) FILE DESIGN	4

1) Key Objectives

Developing the Insurance Policy Processing System (**IPPS**) would introduce the developer to do the following.

- Online Processing
- Batch Processing

2) Insurance Terminology

Policies - Insurance Policies can be of different types depending on what is being insured. Some samples are Auto policies, Fire Policies and Life Policies

Premium - Premium is the amount to be paid by the insured to the Insurance Company. It is derived based on the coverages chosen and other major factors of the insured. For different kind of policies different factors will have major impact on the premium calculation. For example; Age, sex and past accidents by the driver for the Auto vehicle Insurance premium

Claims – Claims are raised by the insured on mishap and processed by the Insurance Company.

Receivables – the following transactions are posted online for billing and are called 'Receivable' in general.

NB - New Business

CH - Change Request

CN - Cancellation

IR - Insured Request Cancellation

NP - Non-Pay Cancellation

RU - Reinstatement (Taking consideration the cancelled requests)

RN - Renewal

Statements – Next act for Customers with reference to their account/policy is intimated through Statements. Some of the well known statements are

NOC - Notice of Cancellation.

OOF - Out of Force.

Bill - Statement Monthly Payable Bills. Etc...

Cash - Amount payable by the customer with reference to his/her account/policy is cash. Cash can be of different type like Agent cash and Electronic Fund Transfer cash (EFT).

3) Requirements Analysis

Online Processing:

This is the initial step which will allow the Agent/Customer to create a new policy for the vehicle or the customer can edit his existing policy. CICS would be used to create this OLTP (Online Transaction Processing) System.

Note: its only for your awareness.

Batch Processing:

In this Processing, the user has to fetch the data which is been processed by the OLTP system & generate the report. IT will have the following requirements.

- 1) Create a report that will have the new customers who have taken policies in the current month.
- 2) Create a statement report which can be sent to the customers when the policy is cancelled (Notice of Cancellation).

4) File Design

In this file assigned is a sequential file & the file description is as provided below;

COLUMN NAME	DESCRIPTION
POLICY_NUMBER	CHAR(10)
POLICY_TYPE	CHAR(10)
START_DATE	CHAR(10)
EXPIRY_DATE	CHAR(10)
AGENT_ID	CHAR(20)
RENEWAL_DATE	CHAR(10)
YEAR_OF_MANUFACTURE	NUMERIC(4)
REGISTRATION_NO	CHAR(20)
MAKE_MODEL	CHAR(20)
POLICY_PREMIUM	DECIMAL(9,2)
PREMIUM_PAID	DECIMAL(8,2)
POLICY_PERIOD	NUMERIC(2)
POLICY_STATUS	CHAR(1)
CUSTOMER_FIRST_NAME	CHAR(10)
CUSTOMER_LAST_NAME	CHAR(10)
ADDRESS_LINE	CHAR(25)
CITY	CHAR(20)
STATE	CHAR(20)
DESCRIPTION	CHAR(30)