

**Company Name**

**Project Name**

**Design Report**

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**Version:** 1/00

**Version date:** DD-Mon-YYYY



**Amendment History**

<b>Version</b>	<b>Author</b>	<b>Date</b>	<b>Description of changes</b>
1/00	P Crompton	DD-Mon-YYYY	First issue

## **1. INTRODUCTION**

This section should contain a management summary of the purpose of the design and its major components. It should briefly explain how the main modules fit together and how they will be used.

This should be no more than one page in length.

### **1.1 Background**

Places the work in context and details the business reasons for the work.

### **1.2 Aims of the Document**

The aim of the document is to define the physical design.

The design will provided a resource estimate for the build phase of the development.

### **1.3 Scope / Terms of reference**

The terms of reference or boundaries for the Design.

### **1.4 Constraints and Assumptions**

All known constraints and assumptions. Some of these may have been carried forward from the analysis report.

## **2. PRODUCT DEFINITION**

### **2.1 Key issues**

Any issues remaining from the analysis phase should be detailed in this section.

### **2.2 Module Overview**

The functions described in the analysis report will be broken down or grouped as required into modules. At this point module names should be defined and a brief over overview of the logic of each module produced.

### **2.3 Physical Database design overview**

New and amended tables should be briefly discussed. The reason for each table change being detailed. Full details of indexes and other objects should be supplied in the appendices.

### **2.4 Menus**

Changes to the menu are discussed here.

## **2.5 Data requirements**

Details of new data to be loaded etc. should be included here.

## **2.6 Interfaces**

Details of interfaces to other parts of the system should be discussed here.

## **3. SYSTEM ENVIRONMENT**

### **3.1 Hardware, Software and Communication issues**

Details of any additional hardware, software or communications equipment required to implement the solution.

### **3.2 Database sizing**

Sizing details of new tables and indexes should be placed here.

## **4. IMPLEMENTATION**

### **4.1 Resource requirements**

An estimate of the amount of effort should be made in man days. An out line plan should be produced. Where possible items of build that can run concurrently should be noted.

### **4.2 System testing and user acceptance criteria**

Significant items which indicate if the solution is acceptance should be listed. Some of these items may be available from performance standards. This list should be carried forward and expanded into a system test plan. These details should be at a high level, but detailed enough to mention each module.

### **4.3 Initial transition strategy**

Details of the transition strategy should be listed here. This will include:- data cut over, parallel running etc. This list should be carried forward and expanded into an implementation plan.

## **5. OPERATION**

### **5.1 Manual procedures**

Details of changes to manual procedures not covered elsewhere.

## **5.2 Security and audit**

Details of any special security and audit trailing required.

## **5.3 Backup and Recovery**

Details of any special backup and recovery procedures should be defined.

## **5.4 Housekeeping and Archiving**

Any special housekeeping and archiving procedures should be defined.

## **APPENDICES**

- a. Physical data model diagram**
- b. Table and Column definitions**
- c. Other database objects - indexes etc.**
- d. Screen and Report Layouts**

If possible the diagrams should indicate which tables are new/changed/unchanged.

**End of document**