

## **Hardware and Software Requirements**

### **Hardware**

- One Client PC with 2 PC/SC smartcard readers attached.
- One Low End Server
- Connectivity between client and server.

### **Software**

- Windows XP Professional on client PC
- Windows 2003 Server OS on Server with SQL 2000 database with date format set as mm/dd/yyyy hh:mm:ss tt (English – United States).

## **Installing and Configuring DKM Software**

- Double click on the Setup.exe file to start the installation process.
- Follow the instructions appearing on the screen.
- After successful completion, go to the installation folder and edit the 'connstr' file using a text editor like Notepad or Textpad. Set the values for 'Initial Catalog' and 'Data Source' accordingly.
- Get a user name and password to connect to the DKMA database.

## **Database/Tables Creation**

Use the following script to create the database and tables for DKM software (if it is not created already). Use the SQL Query Analyzer from the Microsoft SQL Server program group from the start menu (Start→ Programs→ Microsoft SQL Server→ SQL Query Analyzer) and copy/paste the following script to the query window and press the Execute Query icon (or press F5). If the database is already created and one or more tables are missing, then you have to select the create table

scripts only for those missing tables along with the alter table script for those tables.

```
CREATE DATABASE RSBY_DKMA
GO
```

```
USE RSBY_DKMA
GO
```

```
CREATE TABLE [dbo].[CardRevalHistory] (
    [DKMARefNo] [int] NULL ,
    [DKMAChipNo] [varchar] (32) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [BatchNo] [int] NULL ,
    [cardno] [int] NULL ,
    [AuthName] [varchar] (25) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [AuthID] [varchar] (16) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [ReqCounter] [int] NULL ,
    [CumCounter] [int] NULL ,
    [revalDate] [datetime] NULL
) ON [PRIMARY]
GO
```

```
CREATE TABLE [dbo].[CardSurrender] (
    [surrender_no] [int] NOT NULL ,
    [card_chipno] [varchar] (32) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [auth_id] [varchar] (8) COLLATE SQL_Latin1_General_CP1_CI_AS
NULL ,
    [surrender_date] [datetime] NULL ,
    [reason] [varchar] (50) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL
) ON [PRIMARY]
GO
```

```
CREATE TABLE [dbo].[Card_Balance] (
    [cardType] [varchar] (4) COLLATE
SQL_Latin1_General_CP1_CI_AS NOT NULL ,
```

```
    [cardBalance] [smallint] NULL
) ON [PRIMARY]
GO
```

```
CREATE TABLE [dbo].[DistCodes] (
    [distCode] [varchar] (2) COLLATE
SQL_Latin1_General_CP1_CI_AS NOT NULL ,
    [district] [varchar] (25) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL
) ON [PRIMARY]
GO
```

```
CREATE TABLE [dbo].[FKOCardInfo] (
    [DKMAREfNo] [int] NOT NULL ,
    [DKMACHipNo] [varchar] (32) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [BatchNo] [int] NULL ,
    [cardno] [int] NULL ,
    [CardType] [varchar] (4) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [ChipNo] [varchar] (32) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [distCode] [varchar] (2) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [AuthName] [varchar] (25) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [AuthID] [varchar] (8) COLLATE SQL_Latin1_General_CP1_CI_AS
NULL ,
    [designation] [varchar] (25) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [department] [varchar] (25) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [officeAttached] [varchar] (25) COLLATE
SQL_Latin1_General_CP1_CI_AS NULL ,
    [Personalizeddt] [datetime] NULL ,
    [ReqCounter] [int] NULL ,
    [CumCounter] [int] NULL ,
    [revalDate] [datetime] NULL
) ON [PRIMARY]
```



```
[state_code] [char] (2) COLLATE SQL_Latin1_General_CP1_CI_AS  
NULL ,  
[runn_serial_num] [int] NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[card_Stock_Det] (  
[cardStockNo] [int] NOT NULL ,  
[cardType] [varchar] (4) COLLATE  
SQL_Latin1_General_CP1_CI_AS NOT NULL ,  
[recDam] [char] (1) COLLATE SQL_Latin1_General_CP1_CI_AS  
NOT NULL ,  
[noOfCards] [smallint] NULL ,  
[dateReceived] [datetime] NOT NULL  
) ON [PRIMARY]  
GO
```

The SQL Server date format should be mm/dd/yyyy hh:mm:ss tt. Set the language to English (United States) for this format. This can be done by

Start→Settings→Control Panel→Regional and Language Options→  
Then in the 'Regional Options' Tab select the language as English  
(United States) from the list.