

**REVIEW DATA COMMUNICATION
INSTALLATION MANUAL (MVS, FACOM & VSE)**

RDC611-010IBM

Manual Order Number: RDC611-010IBM

This document applies to the REVIEW DC software package at Version 6.1 and to all subsequent versions, unless otherwise indicated in new editions or technical newsletters.

Specifications contained herein are subject to change, and these changes will be reported in subsequent revisions or editions.

Requests for publications should be addressed to Software AG or your nearest Software AG affiliate.

Reader comments are welcomed. Comments may be addressed to the Documentation Department at the address on the back cover. Internet users may send comments to sagdoc@sagus.com.

Copyright (c) April 2001 by SOFTWARE AG Americas, Inc., and SOFTWARE AG, Darmstadt, Federal Republic of Germany.

SOFTWARE AG, ADABAS, COM-PLETE, ELITE, ENTIRE, ENTIRE NET-WORK, NATURAL, NATURAL ARCHITECT, NATURAL CONNECTION, NATURAL CONSTRUCT, NATURAL ELITE, NATURAL EXPERT, NATURAL NEW DIMENSION, NATURAL VISION, OPEN ENTERPRISE COMPUTING, PAC, SAGNET, SMARTRAC, SUPER NATURAL, TAPESTRY, and TOP DOWN RIGHTSIZING are registered trademarks of SOFTWARE AG; PREDICT is a trademark of SOFTWARE AG.

Software AG documentation often refers to numerous hardware and software products by their trade names. In most cases, if not all, these designations are claimed as trademarks or registered trademarks by their respective companies.

TABLE OF CONTENTS

1. INSTALLATION

Prerequisites	1-1
Contents of the Installation Tape	1-1
MVS/FACOM Installation Tape	1-1
VSE Installation Tape	1-2
Installation Procedure	1-3
Installation Jobs	1-3
Using SYSTEM MAINTENANCE AID	1-3
Step 1: Unloading the Tape	1-3
Step 2: INPL REVIEW DATA COMMUNICATION	1-3
Step 3: INPL REVIEW Common Routines	1-3
Step 4: Load the REVIEW DATA COMMUNICATION History File	1-4
Step 5: Modify, Assemble, and Link the NATURAL 2 Parameter Module	1-4
Step 6: Assemble and Link the REVIEW Transaction	1-5
Step 7: Catalog REVIEW DC Transactions	1-5
Step 8: Modify the COM–PLETE Startup Parameters and JCL	1-5
Step 9: Define REVIEW DC to NATURAL SECURITY, if applicable	1-6
Step 10: Installation Verification	1-6

APPENDIX A — SAMPLE JCL

Download Datasets from the Supplied Tape (MVS/FACOM)	A-1
Download Datasets from the Supplied Tape (VSE)	A-3

CHAPTER 1

INSTALLATION

INSTALLATION

This manual provides installation procedures for REVIEW DATA COMMUNICATION 6.1. under the following SOFTWARE AG TP monitors:

Prerequisites

- NATURAL 2.2.8 or above.
One of the following SOFTWARE AG TP monitors:
- COM-PLETE (COM) 6.1.1 or above
- ADABAS TPF (TPF) 6.1.1 or above

Note:

References made in this manual to COM-PLETE also apply to ADABAS TPF.

Contents of the Installation Tape

The files may not be on the installation tape in the same order or with the exact names as shown below. Please refer to the *Report of Tape Creation*.

MVS/FACOM Installation Tape

File Name	Description
RDCvrs.SRCE	Source library
RDCvrs.LOAD	Load library
RDCvrs.SYSF	RDC History File FDT
RDCvrs.INPL	REVIEW DC NATURAL Application
RDCvrs.INPC	REVIEW system NATURAL common routines
RDCvrs.ZAPS	REVIEW DC Zap dataset

VSE Installation Tape

File Name	Description
RDCvrs.LIBR	Source/Load libraries
RDCvrs.SYSF	RDC History File FDT
RDCvrs.INPL	REVIEW DC NATURAL Application
RDCvrs.INPC	REVIEW system NATURAL common routines

Installation Procedure

Installation Jobs

The installation of SOFTWARE AG products is performed by installation jobs. These are either created “manually” or generated by SYSTEM MAINTENANCE AID (SMA).

For each step of the installation procedure described later in this chapter, the number of a job performing the respective task is indicated. This job number refers to an installation job generated by SMA. If you are not using SMA, an example job is provided in the job (source) library on the RDC installation tape; you must adapt this job to your requirements.

Using SYSTEM MAINTENANCE AID

For information on using SOFTWARE AG’s SYSTEM MAINTENANCE AID for the installation process, refer to the *SYSTEM MAINTENANCE AID Manual*.

Step 1: Unloading the Tape

a) MVS/FACOM

Copy the files on the installation tape to disc using the IEBCOPY utility for the source and load data and the IEBGENER utility for NATURAL data. Please refer to Appendix A for sample JCL.

b) VSE

Define the RDC6.1 version library and restore the RDC6 version library to disk using the LIBR utility. Please refer to Appendix A for sample JCL.

Step 2: INPL REVIEW DATA COMMUNICATION (SMA Job I061)

Load the REVIEW DC programs and DDMs from the INPL data sets to your NATURAL system files. You may use any of your site-dependent NATURAL INPL JCL. A sample job, JRCNATIN, is provided in the REVIEW DC source library (JRCNATIN.J on the VSE library).

Step 3: INPL REVIEW Common Routines

If you do NOT have other REVIEW components (RDB, RNM) already installed on the NATURAL system file you are loading RDC to, load the REVIEW common programs from the INPC data set to your NATURAL system file. You may use any of your site-dependent NATURAL INPL JCL (or the sample job JRCNATIN) used in Step 2 above.

Step 4: Load the REVIEW DATA COMMUNICATION History File (SMA Job I050)

The REVIEW DC history file is used for saving historical data accumulated by REVIEW DC reports.

Load this file using the sample job JRCHISLD (JRCHISLD.J for VSE) provided in the REVIEW DC source library.

Modify the job as follows before submitting it:

- Change the DATABASE=ddd parameter in the ADARUN statements to reflect the DBID number of the database that will contain this file.
- Change the SVC=sss parameters to reflect the SVC number used for the database specified in the above step.
- Change the ADALOD LOAD FILE=fff statement to specify the actual number of the REVIEW DC history file.

Step 5: Modify, Assemble, and Link the NATURAL Parameter Module

- a) Include the following parameter settings in the NATURAL parameter file:

```
MADIO=5000
MAXCL=0
ZD=OFF
RDCSIZE=2 /* for NATURAL 2.3 and above
```

- b) Make the REVIEW DC history file known to NATURAL as follows:

- If you are running REVIEW DC under only ONE copy of COM-PLETE, add a NATURAL NTFILE definition for the target database id and file number of the REVIEW DC history file as follows:

```
NTFILE ID=197,DBID=???,FNR=???
```

where 'DBID=???' and 'FNR=???' are the REVIEW DC history file DBID and file number.

- If you are running REVIEW DC under MULTIPLE copies of COM-PLETE, do NOT include the above NTFILE definition in your NATURAL parameter module.

Instead, specify the LFILE parameter in the NPARMS operand of the CM\$PARMT macro for the assembly of the REVIEW module as noted in Step 6 below.

- c) Reassemble and relink the NATPARM module.

- d) If you want to keep track of the current NATURAL library/program for NATURAL users, REVIEW DC's NATURAL user exit RDCNATEX needs to be activated in one of the following ways:
- For NATURAL 2.2.x, include NATRDC and RDCNATEX into the same part of the nucleus. For NATURAL 2.3 and above, include RDCNATEX into the same part of the NATURAL nucleus as the module NATURAL.
 - Specify the following in the NPARMS operand of the CM\$PARMT macro and the NATPARM module:

```
RCA=(RDCRE VW),RCALIAS=(RDCRE VW,RDCNATEX)
```

Additionally, specify RESIDENTPAGE=RDCNATEX in your COM-LETE SYSPARMS to avoid having the exit loaded into every user's thread.

- e) Relink the NATURAL nucleus.

Step 6: Assemble and Link the REVIEW Transaction (SMA Job I070)

Note:

If you are running REVIEW DC under multiple copies of COM-LETE, the LFILE parameter for file 197 must point to the history file allocated for the specific copy of COM-LETE under which you are running.

Assemble and link the REVIEW transaction using the sample JCL JRCNATFE in the REVIEW DC source library.

Before executing this job, modify the JCL by replacing the 'COMMAND=' parameter value on the CM\$PARMT macro with the name of a valid NATURAL transaction (frontend).

Step 7: Catalog REVIEW DC Transactions (SMA Job I070)

The following transactions need to be cataloged in COM-LETE using ULIB:

- The REVIEW transaction generated in Step 6 (use RG=64K,PV)
- RDCRTSTR (PV)
- RDCHISTO (RG=128K,PV) when you intend to use the history subsystem.
- RDCTXGEN (PV) when you plan on using the transaction generation facility.

Step 8: Modify the COM-LETE Startup Parameters and JCL

Bring down your COM-LETE nucleus and

- Modify the COM-LETE startup JCL so that the REVIEW DC load library is in the COMPLIB concatenation.

- Add the following COM-PLETE initialization parameter (SYSPARM) after the `SERVER=(COMPLETE,TLINCOMP)` statement:

```
SERVER=(REVIEWDC,RDCINIT)
```

Optionally, additional parameters can be specified:

```
SERVER=(REVIEWDC,RDCINIT[,NOHIST][,subpool1=number1,|subpoolN=numberN])
```

NOHIST avoids the History Task from being started at COM-PLETE startup. It can be started later manually by invoking RDCHISTA.

subpoolX=numberX can be used to change the number of buffers initially allocated to the sub-pools of the Review DC response time subsystem buffer pool. The name of the sub-pool must be specified without the leading "RT-".

Examples:

```
SERVER=(REVIEWDC,RDCINIT,NOHIST,DETRC=400)
```

```
SERVER=(REVIEWDC,RDCINIT,TXSUM=200,DETRC=600)
```

Step 9: Define REVIEW DC to NATURAL SECURITY, if applicable

- If you are installing REVIEW DC under NATURAL SECURITY, define the following libraries:
SYSREV
SYSREVDC with a Steplib of SYSREV
SYSREVUP
- Define file RDC61-HISTORY to NATURAL SECURITY when you intend to read the history file with homegrown programs

Step 10: Installation Verification

- Start COM-PLETE.
- Execute RCINSTP from NATURAL library SYSREVDC.
This program allocates two COM-PLETE SD files, RDCRT340 and RDCHO340, required for the history system, and creates the sample response time reports 'SYSTEM RESPONSE TIME' and 'HIGHEST RESPONSE TIME'.
- If UP system is not already installed, execute program P-UPINST from library SYSREV.
- Test REVIEW DC.

APPENDIX A — SAMPLE JCL

This appendix contains sample JCL of the jobs referred to in the installation procedure.

Download Datasets from the Supplied Tape (MVS/FACOM)

```
//JOBNAME ...valid installation job card
//*
/* This job downloads the datasets, as supplied on the
/* &cmn installation tape, to disk for use during the
/* installation procedure.
/*
//IEBCOPY EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//SYSUT3 DD UNIT=SYSDA,SPACE=(CYL,(3,1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(CYL,(3,1))
/*
//SOURCEI DD DSN=RDCvrs.SRCE, note 2
// UNIT=uuuu, note 1
// LABEL=(2,SL),
// VOL=(,RETAIN,SER=RDCvrs), note 2
// DISP=(OLD,PASS)
/*
//SOURCEO DD DSN=RDC.SOURCE,
// UNIT=uuuu, note 4
// VOL=SER=vvvvvv, note 3
// SPACE=(CYL,(2,1,61)),
// DISP=(NEW,CATLG,DELETE),
// DCB=(DSORG=PO,RECFM=FB,BLKSIZE=3120,LRECL=80)
/*
//LOADI DD DSN=RDCvrs.LOAD, note 2
// UNIT=uuuu, note 1
// LABEL=(3,SL),
// VOL=(,RETAIN,REF=*.SOURCEI),
// DISP=(OLD,PASS)
/*
//LOADO DD DSN=RDC.LOAD,
// UNIT=uuuu, note 4
// VOL=SER=vvvvvv, note 3
// SPACE=(CYL,(4,1,61)),
// DISP=(NEW,CATLG,DELETE),
// DCB=(DSORG=PO,RECFM=U,BLKSIZE=6447)
//SYSIN DD *
COPY INDD=SOURCEI,OUTDD=SOURCEO
COPYMOD INDD=LOADI,OUTDD=LOADO
/*
//IEBGENER EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
/*
```

```

//SYSUT1 DD DSN=RDCvrs.MSGS,           note 2
//      UNIT=uuuu,                     note 1
//      LABEL=(4,SL),
//      VOL=REF=* .IEBCOPY.SOURCEI,
//      DISP=(OLD,PASS)
//*
//SYSUT2 DD DSN=RDC.MESSAGES,
//      UNIT=uuuu,                     note 4
//      VOL=SER=vvvvvv,               note 3
//      SPACE=(CYL,(1,1)),
//      DISP=(NEW,CATLG,DELETE)
//SYSIN DD DUMMY
/*
//IEBGENER EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//*
//SYSUT1 DD DSN=RDCvrs.SYSF,           note 2
//      UNIT=uuuu,                     note 1
//      LABEL=(5,SL),
//      VOL=REF=* .IEBCOPY.SOURCEI,
//      DISP=(OLD,PASS)
//*
//SYSUT2 DD DSN=RDC.HISTORY.FDT,
//      UNIT=uuuu,                     note 4
//      VOL=SER=vvvvvv,               note 3
//      SPACE=(TRK,(1,1)),
//      DISP=(NEW,CATLG,DELETE)
//SYSIN DD DUMMY

```

- Note 1: The 'uuuu' here must be set to an installation unit name relating to the tape device to be used to load the tape.
- Note 2: 'vrs' in these cases relates to the Version, Release and SM Level of REVIEW DC being installed, for example, the tape volser for REVIEW DC 6.1.1 would be called RDC611.
- Note 3: The volser 'vvvvvv' should be changed to the volume serial number upon which you wish the dataset to be downloaded.
- Note 4: The unit 'uuuu' must be changed to a unit name which is valid for the specified volume serial number.

Download Datasets from the Supplied Tape (VSE)

To download the datasets from the installation tape:

```
* $$ JOB JNM=JCLINST1, ..... JECL CARD INFORMATION .....
* $$ LST DISP=D,CLASS=A
// JOB JCLINST1 ..... JOB CARD INFORMATION .....
/*
/* THIS IS THE INSTALLATION JOB1.
/*
/* THIS JOB DOWNLOADS THE DATASETS, AS SUPPLIED ON THE
/* INSTALLATION TAPE, TO DISK FOR USE DURING THE
/* INSTALLATION PROCEDURE.
/*
/* THE FOLLOWING CHANGES HAVE TO BE PERFORMED BEFORE RUNNING THIS JOB
/*
/* 1. INSERT A VALID JECL AND JOB CARD.
/* 2. CHANGE vrs TO THE VERSION, RELEASE AND SM LEVEL.
/* 3. CHANGE vvvvvv TO THE REQUIRED VOLSER.
/* 4. CHANGE ttttt TO THE REQUIRED TRACK.
/* 5. CHANGE nnnn TO THE REQUIRED NUMBER OF TRACKS.
/* 6. CHANGE cuu TO THE REQUIRED TAPE/CASS UNIT.
/* 7. CHANGE xx TO THE REQUIRED FILE NUMBER.
/*
/*
// PAUSE ..... WAIT FOR TAPE UNIT
// ASSGN SYS006,CUU
// DLBL SAGLIB,'.....LIBRARY'
// EXTENT ,VVVVVV,1,0,TTTTTT,NNNN
/*
/* =====
* RESTORE SAGLIB.RDCvrs DISTRIBUTION REVIEW LIBRARY
* SOURCE, OBJ and PHASE
/* =====
/*
// MTC REW,SYS006
// MTC FSF,SYS006,xx
// EXEC LIBR
RESTOR SUB=SAGLIB.RDCvrs : SAGLIB.RDCvrs -
R=Y TAPE=SYS006
/*
/&
* $$ EOJ
```

Note 1: The 'cuu' here must be set to an installation unit name relating to the tape device to be used to load the tape.

Note 2: 'vrs' in these cases relates to the Version, Release and SM Level of REVIEW DC being installed, for example, the tape volser for REVIEW DC 6.1.1 would be called RDC611.

Note 3: The volser 'vvvvvv' should be changed to the volume serial number upon which you wish the dataset to be downloaded.

Note 4: The track 'ttttt' must be changed to the track for the specified volume.

Note 5: The number 'nnnn' must be changed to the number of tracks for the specified data set.

