Batch Processor Job Control Requirements

This chapter covers the following topics:

- For z/OS Environments
- For z/VSE Environments
- For BS2000 Environments
- For z/VM Environments

For z/OS Environments

The job shown below is contained in member REVIEWB of the Adabas Review source library and can be used to execute the Adabas Review processor in batch.

To modify the job before submitting it

1. Change *vrs* to the current version, revision, and system maintenance level of the product.
2. Modify the job statement, if necessary.
3. Modify the DD statement for RVUSEQ as necessary. Point to a command log file generated by Adabas or Adabas Review.
4. Add any additional RVUPRT*xx* or RVUCOP*xx* DD statements as necessary depending on your report definitions (where *xx* is a value from "01" through "99").

```
//REVIEWB  JOB
(LOCATION),‘REVIEW’,MSGCLASS=X,CLASS=A
//*
//REVIEWB  EXEC PGM=REVIEWB,REGION=512K
//STEPLIB  DD DISP=SHR,DSN=REVIEW.Vvrs.LOAD
//         DD DSN=SHR,DSN=ADABAS.Vv.LOAD
//*
//RVUSEQ   DD DSN=SHR,DSN=ADABAS.COMMAND.LOG.FILE.
//         DCB=(RECFM=VB,BLKSIZE=10000)
//RVUFLD   DD DSN=SHR,DSN=REVIEW.Vvrs.SOURCE(USRPARM)
//*
//RVUPRT00 DD SYSOUT=X,LRECL=80
//RVUPRT01 DD SYSOUT=X,LRECL=133
//RVUPRT02 DD SYSOUT=X,LRECL=133
//SYSUDUMP DD SYSOUT=X
//TRACEOUT DD SYSOUT=X,LRECL=133
//*
//RVUPARM  DD *
INPUT   FILETYPE=SEQUENTIAL,LIMIT=1000
*
REPORT  TYPE=SUMMARY,TITLE=‘SAMPLE REPORT’
AVERAGE DURATION,ASSO-IO,DATA-IO,CMDRESP
MINIMUM DURATION,ASSO-IO,DATA-IO,CMDRESP
```

```
MAXIMUM DURATION,ASSO-IO,DATA-IO,CMDRESP
DISPLAY JOB
*
/*
```

The following DD statements are required, or optional where noted, for executing the Adabas Review processor in interactive or batch mode:

DD Statement	Description
RVUPARM	A data set of control statements that specify input report parameters (LRECL=80). RVUPARM is a data set of control statements that specify input report parameters to Adabas Review's batch processor. These statements can be generated by the GENCARD command and copied from the resulting RVUCARD output into the RVUPARM data set. For more information, read *Generating Batch Report Parameters*.
RVUSEQ	Sequential data set containing command log records: RECFM=VB,LRECL=9996,BLKSIZE=10000 This command log file can be generated directly by Adabas (LOGGING=YES) or by using Adabas Review's physical logging facility as described in section *Logging Options*.
RVUCOPxx	(Optional) Copied output logs; same format as RVUSEQ (where "xx" is 01-99).
RVUPRTxx	Review logical printers (where "xx" is 01-99). LRECL is required. It may be in the range of (72-4080); LRECL=133 is typical.
RVUALT	Alternate sequential file used to save history information if the Adabas Review processor, either interactively or in batch, receives an Adabas response code 148 (Adabas not active) when attempting to save history data. This file should be allocated using the following DCB attributes: RECFM=VB,LRECL=9996,BLKSIZE=10000
RVUAUT1	(Optional in batch mode) Parameter statements for autostarted reports; LRECL=80.
RVUAUT2	(Optional in batch mode) Parameter statements for autostarted reports; LRECL=80. **Note:** Adabas Review uses two parameter files for the report definition control statements and alternates between them by writing to the older file. See the section Autostarted Reports on page .
RVUFLD	Parameter statements; LRECL=80. Parameters to describe user-defined fields.

Note:
Command log files generated by Adabas must be in sequential (DDLOG) format. You **must not** use a dual command log file directly as input to Adabas Review. If you are using Adabas dual command logging, the command log file must first be copied out to a sequential file using the Adabas utility

ADARES function CLCOPY.

For z/VSE Environments

The job shown below is contained in member REVIEWB of the Adabas Review source library and can be used to execute the Adabas Review processor in batch.

To modify the job before submitting it

1. Change "vrs" to the current version, revision, and system maintenance level of the product.
2. Modify the job statements, if necessary.
3. Modify the job control statement for RVUSEQ as necessary. Point to one of the command log files.
4. Add any additional RVUPRTxx or RVUCOPxx job control statements as necessary, depending on your report definitions (where "xx" is a value 01 through 99).

```
//  JOB REVIEWB                              sample
Review job
//  EXEC  PROC=REVvrs                        Review private libraries
//  ASSGN SYS005,SYSIPT                      RVUPARM - statements
//  ASSGN SYS006,DISK,VOL=VVVVVV,SHR         RVUSEQ - tape
//  ASSGN SYS007,IGN                         MAY be IGN for batch
//  ASSGN SYS020,PRINTER                     RVUPRT0 - printer
//  ASSGN SYS021,CUU                         RVUPRT1 - printer
//  DLBL RVUSEQ, 'ADABAS.Vvr.COMMAND.LOG'    RVUSEQ - command
log
//  EXTENT SYS006,VVVVVV
//  EXEC REVIEWB,SIZE=(AUTO,64K)
INPUT    FILETYPE=SEQUENTIAL,LIMIT=1000
REPORT   TYPE=SUMMARY,TITLE='SAMPLE REPORT'
AVERAGE  DURATION
MINIMUM  DURATION,ASSO-IO,DATA-IO,CMDRESP
MAXIMUM  DURATION,ASSO-IO,DATA-IO,CMDRESP
DISPLAY  JOB
/*
```

Note:
The logical units shown in the example above may be reassigned if there are conflicts with your site-specific logical units. Refer to the *Adabas Review Installation and Operations (z/VSE)* documentation for more information.

The following job control statements are required, or optional where noted, for executing the Adabas Review processor in interactive mode or batch mode:

Job Control Statement	Logical Unit(s)	Description
RVUPARM	SYS005	Parameter statements; 80-byte records. RVUPARM is a data set of control statements that specify input report parameters to Adabas Review's batch processor. These statements can be generated by the GENCARD command and copied from the resulting RVUCARD output into the RVUPARM data set. For more information, read *Generating Batch Report Parameters*.
RVUSEQ	SYS006	Sequential data set containing command log records: Record Format = VB, Record Length = 9996, Block Size = 10000. This command log file can be generated directly by Adabas (LOGGING=YES) or by using Adabas Review's physical logging facility as described in section *Logging Options*.
RVUCOPx	SYS031-39	(Optional) Copies output logs; same format as RVUSEQ (where "x" is 1-9).
RVUPRTx	SYS020-29	Review logical printers (where "x" is 0-9).
RVUALT	SYSxxx*	Alternate sequential file used to save history information if the Adabas Review processor, either interactively or in batch, receives an Adabas response code 148 (Adabas not active) when attempting to save history data. This file should be allocated using the job DBFILES in the Adabas Review source library. * May be any unused value.
RVUAUT1 / RVUAUT2	SYS007	(Optional in batch mode) Parameter statements for autostarted reports. Adabas Review uses two parameter files for the report definition control statements and alternates between them by writing to the older file. **Note:** SYS007 may be assigned to IGN when running Adabas Review in batch mode.

Note:
Command log files generated by Adabas must be in sequential (DDLOG) format. You **must not** use a dual command log file directly as input to Adabas Review. If you are using Adabas dual command logging, the command log file must first be copied out to a sequential file using the Adabas utility ADARES function CLCOPY.

For BS2000 Environments

The job shown below is contained in member P.REVBATCH of the Adabas Review source library and can be used to execute the Adabas Review processor in batch.

Modify the job before submitting it, as described in the following steps:

1. Set &ADAL to the Adabas Library.
2. Set &BATCH to the output file prefix.
3. Set &CLOG to the command log generated by Adabas or Adabas Review.
4. Set &LIC to the Software AG product license required for Adabas and Adabas Review.
5. Set &REVL to the Adabas Review Library.
6. Modify the parameters following the `/STA-PROG EDT` statements to those required for the job.

```
/BEGIN-PROC C,PROC-PAR=( -
/ &ADAL=$SAG.ADABAS.MOD,-
/ &BATCH=BATCH,-
/ &CLOG=$SAG.DB00099.CLOGR1,-
/ &DB=00099,-
/ &DUMP=YES,-
/ &LIC=$SAG.ADABAS.LICENSE,-
/ &REVL=$SAG.REVIEW.MOD -
/ ),ESC-CHAR='&'
/REMARK
/REMARK          ************************************************
/REMARK          *    START REVIEW BATCH                        *
/REMARK          ************************************************
/REMARK
/MOD-TEST        DUMP=&DUMP
/DEL-F #RVUPARM
/SET-JOB-STEP
/CRE-FILE #RVUPARM ,PUB()
/SE-FILE-LINK EDTSAM ,#RVUPARM ,REC-FORM=F, REC-SIZE=80
/MOD-J-SW ON=(4,5)
/ASS-SYSDTA *SYSCMD
/STA-PROG EDT
INPUT  FILETYPE=SEQUENTIAL,LIMIT=1000
REPORT TYPE=SUMMARY,TITLE='SAMPLE REPORT'
AVERAGE DURATION,ASSO-IO,DATA-IO,CMDRESP
MINIMUM DURATION,ASSO-IO,DATA-IO,CMDRESP
MAXIMUM DURATION,ASSO-IO,DATA-IO,CMDRESP
DISPLAY JOB
@W '#RVUPARM' 0
@H
/SET-JOB-STEP
/MOD-J-SW OFF=(4,5)
/SET-JOB-STEP
```

```
/DEL-F &BATCH..RVUPRT00
/SET-JOB-STEP
/CRE-FILE &BATCH..RVUPRT00  ,PUB()
/SE-FILE-LINK EDTSAM ,&BATCH..RVUPRT00 ,REC-FORM=F, REC-SIZE=80
/MOD-J-SW ON=(4,5)
/ASS-SYSDTA *SYSCMD
/STA-PROG EDT
*
@W '&BATCH..RVUPRT00' O
@H
/SET-JOB-STEP
/MOD-J-SW OFF=(4,5)
/SET-JOB-STEP
/DEL-F &BATCH..RVUPRT01
/SET-JOB-STEP
/CRE-FILE &BATCH..RVUPRT01  ,PUB()
/SE-FILE-LINK EDTSAM ,&BATCH..RVUPRT01 ,REC-FORM=F, REC-SIZE=160
/MOD-J-SW ON=(4,5)
/ASS-SYSDTA *SYSCMD
/STA-PROG EDT
*
@W '&BATCH..RVUPRT01' O
@H
/SET-JOB-STEP
/MOD-J-SW OFF=(4,5)
/SET-JOB-STEP
/DEL-F &BATCH..RVUPRT02
/SET-JOB-STEP
/CRE-FILE &BATCH..RVUPRT01  ,PUB()
/SE-FILE-LINK EDTSAM ,&BATCH..RVUPRT01 ,REC-FORM=F, REC-SIZE=160
/MOD-J-SW ON=(4,5)
/ASS-SYSDTA *SYSCMD
/STA-PROG EDT
*
@W '&BATCH..RVUPRT02' O
@H
/SET-JOB-STEP
/MOD-J-SW OFF=(4,5)
/SET-JOB-STEP
*                                                              *
/DEL-F #RVUFLD
/SET-JOB-STEP
/CRE-FILE #RVUFLD  ,PUB()
/SE-FILE-LINK EDTSAM ,#RVUFLD  ,REC-FORM=F, REC-SIZE=80
/MOD-J-SW ON=(4,5)
/ASS-SYSDTA *SYSCMD
/STA-PROG EDT
****************************************************************
NAME=USERFLD1
     LEN=1
     INTYPE=B
     OUTTYPE=H
     OFFSET=16
     DISPLEN=2
     HEADER=BUFFTYPE
     CALC=N
NAME=USERFLD2
     LEN=1
     INTYPE=B
     OUTTYPE=H
     OFFSET=18
     DISPLEN=2
```

```
     HEADER=CMDTYPE
     CALC=N
NAME=USERFLD3
     LEN=4
     INTYPE=C
     OUTTYPE=C
     OFFSET=136
     DISPLEN=4
     HEADER=ADD2CHAR
     CALC=N
@W '#RVUFLD' O
@H
/SET-JOB-STEP
/MOD-J-SW OFF=(4,5)
/SET-JOB-STEP
/ASS-SYSLST   L.REV&DB..BAT.L
/REMA ASS-SYSOUT   L.REV&DB..BAT.O
/ASS-SYSDTA *SYSCMD
/SE-F-LI         RVUAUT1,*DUMMY
/SE-F-LI         RVUAUT2,*DUMMY
/SE-F-LI         RVUPRT00,&BATCH..RVUPRT00
/SE-F-LI         RVUPRT01,&BATCH..RVUPRT01
/SE-F-LI         RVUPRT02,&BATCH..RVUPRT02
/SE-F-LI         RVUSEQ,&CLOG
/SE-F-LI         RVUPARM,#RVUPARM
/SE-F-LI         RVUFLD,#RVUFLD
/REMA
/SE-F-LI         DDLIC,&LIC
/SE-F-LI         DDLIB,&ADAL
/SE-F-LI         REVLIB,&REVL
/SE-F-LI         BLSLIB00,&REVL
/SE-F-LI         BLSLIB01,&ADAL
/SET-JOB-STEP
/STA-PROGRAM   (&REVL,REVBATCH),PR-MO=A,RUN-M=ADV(A-L=YES)
/REMA SET-JOB-STEP
/ASS-SYSLST *PRIM
/REMA ASS-SYSOUT *PRIM
/ASS-SYSDTA *PRIM
/END-PROC
```

The following link statements are required (or are optional where noted), for executing the Adabas Review processor in interactive or batch mode:

Link Statement	Description
RVUPARM	Parameter statements; REC-FORM=FIXED(REC-SIZE=80). RVUPARM is a data set of control statements that specify input report parameters to Adabas Review's batch processor. These statements can be generated by the GENCARD command and copied from the resulting RVUCARD output into the RVUPARM data set. For more information, read *Generating Batch Report Parameters*.
RVUSEQ	Sequential data set containing command log records. This command log file can be generated directly by Adabas (LOGGING=YES) or by using Adabas Review's physical logging facility as described in section *Logging Options*.
RVUCOP*xx*	(Optional) Copied output logs; same format as RVUSEQ (where *xx* is 01-99).
RVUPRT*xx*	Review logical printers (where *xx* is 01-99). Sequential file with REC-FORM=FIXED(REC-SIZE=133).
RVUALT	Alternate sequential file used to save history information if the Adabas Review processor, either interactively or in batch, receives an Adabas response code 148 (Adabas not active) when attempting to save history data.
RVUAUT1	(Optional in batch mode) Parameter statements for autostarted reports; REC-FORM=FIXED(REC-SIZE=80).
RVUAUT2	(Optional in batch mode) Parameter statements for autostarted reports; REC-FORM=FIXED(REC-SIZE=80).

Notes:

1. Adabas Review uses two parameter files for the report definition control statements and alternates between them by writing to the older file. See the section Autostarted Reports. RVUFLD Parameter statements; REC-FORM=FIXED(REC-SIZE=80). Parameters to describe user-defined fields.
2. Command log files generated by Adabas must be in sequential (DDLOG) format. You **must not** use a dual command log file directly as input to Adabas Review. If you are using Adabas dual command logging, the command log file must first be copied out to a sequential file using the Adabas utility ADARES function CLCOPY.

For z/VM Environments

The Adabas Review processor is executed in batch mode using the REVBATCH EXEC provided on the Adabas Review installation tape. The only parameter required is the name of the file containing the Review input parameters. The FILETYPE of the input parameters must be "REVPARMS". For example, the following runs Adabas Review in batch mode using the report parameters found in "SAMPLE1 REVPARMS":

```
REVBATCH SAMPLE1
```

The following filedef statements are required, or optional where noted, for executing the Adabas Review processor in interactive mode or batch mode:

Filedef Statement	Description
RVUPARM	Parameter statements; LRECL=80. RVUPARM is a data set of control statements that specify input report parameters to Adabas Review's batch processor. These statements can be generated by the GENCARD command and copied from the resulting RVUCARD output into the RVUPARM data set. For more information, read *Generating Batch Report Parameters*.
RVUSEQ	Sequential data set containing command log records: (RECFM VB LRECL 9996 BLOCK 10000) This command log file can be generated directly by Adabas (LOGGING=YES) or by using Adabas Review's physical logging facility as described in section *Logging Options*.
RVUCOPxx	(Optional) Copied output logs; same format as RVUSEQ (where "xx" is 01-99).
RVUPRTxx	Review logical printers (where "xx" is 01-99). LRECL is required. It may be a value in the range 72-408; LRECL=133 is typical.
RVUALT	Alternate sequential file used to save history information if the Adabas Review processor, either interactively or in batch; receives an Adabas response code 148 (Adabas not active) when attempting to save history data. This file should be allocated using the following DCB attributes: (RECFM VB LRECL 9996 BLKSIZE 10000)
RVUAUT1 RVUAUT2	(Optional in batch mode) Parameter statements for autostarted reports; LRECL=80. **Note:** Adabas Review uses two parameter files for the report definition control statements and alternates between them by writing to the older file. See the section Autostarted Reports on page .

Note:
Command log files generated by Adabas must be in sequential (DDLOG) format. You **must not** use a dual command log file directly as input to Adabas Review. If you are using Adabas dual command logging, the command log file must first be copied out to a sequential file using the Adabas utility ADARES function CLCOPY.