
Title:

SYSTEM RELEASE FORM
TELEDATA VERSION 3 RELEASE 4



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Abstract:

Description of release 4 of the TELEDATA System version 3. Load instruction, contents of system tape, revisions. The system includes application programs for online DB maintenance, invoicing and order processing, utility programs for system creation and maintenance, administration programs for routine online processing, and batch processing.

English edition, 16 pages.

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SYSTEM RELEASE FORM

Name: TELEDATA VERSION 3, RELEASE 4

Date: December the 15th 1978

Date of last release: July the 1st 1978

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1. General description

TELEDATA is an online, real time system for the RC8000 computer. It includes a general data base system and supports invoicing and order processing in a multi-user environment. For general introduction, please consult:

RCSL 42-i0706 Introduction to TELEDATA
RCSL 21-T017 A Survey of TELEDATA terms

RELEASE 4 includes:

- File systems
- Tools
- Batch programs (utility/application)
- Administration programs

Besides, the existing programs are updated and extended. Consult section 4.

2.

LOAD instruction

For loading the system tape the following BOSS2-job will suffice. The user name and number refer to the recommendations in appendix A. Dependent on the format of the tapes delivered, the job may be changed slightly.

```
job scope 17 size 40000 time 15 0,  
  perm disc 15000 200,  
  stat 1  
mode list.yes  
tape = set mto <tape name>  
load  release.no.tape.1  
load  release.no.tape.2  
load  release.no.tape.3  
load  release.no.tape.6  
finis
```

New installations

Should not use this release.

Existing installations

Load the whole tape, but observe the remarks in section 4.

3. Description of master tape

The release is contained in one magnetic tape. It is created by the utility program SAVE.

Survey of master tape files:

File 1: CF system, BS system
File 2: Tools
File 3: TD utilities
File 4: Empty
File 5: Empty
File 6: Miscellaneous
File 7: Empty, end save.

The following pages give a detailed description of the contents of every tape file, plus references to documentation. Every tape file includes a text file (cat1, cat2 etc.), containing the names of all the files saved.

The references mentioned can be ordered from the RCSL library. The Teledata Bulletin no. 1 has the RCSL 21-T015.

Note: files 4 and 5 are empty.

Revised version being implemented.

3. Description of master tape

Contents of tape file 1 (CF-BS-system)

Entries		References
cat1		entry catalog
buflengthcf	closecf	cf-system, RCSL 28-D5 Introduction, RCSL 42-I0766 Extensions, nov. 77: RC8000 Bulletin no. 1 dbrecdecode: not used here
connect	deletechain	
dbrecdecode	deletel	
deletem	extendcf	
gethead	getl	
getm	getnumbl	
getparamcf	headl	
headm	initchain	
initfilem	initrecm	
insertl	insertm	
newreclcf	nextm	
opencf	protectcf	
putcf	readonlycf	
readupdcf	recnocf	
resultcf	setdescrcf	
setjumpscf	setparamcf	
updateallcf		
closebs	logbs	bs-system RCSL 31-D288 (danish) sortbs and sortprocbs: RCSL 21-V015
openbs	resultbs	
shlengthbs	sortbs	
sortprocbs		

3. Description of master tape

Contents of tape file 2(TOOLS)

Entries		References
Cat2		entry catalog
database80	dbtable	RCSL 21-V031 (+ TD-bulletin no 1)
sodald	sodatable	RCSL 21-V019 (+ TD-bulletin no 1)
sodatext1	sodatext2	
sodatext3	sodafields	
sdtrans		
duetabler	duettable	RCSL 21-V032 (+TD-bulletin no 1)
duetttext1	duetttext2	
duetttext3	readgeneral	
prim	readtrans tduetcode	
sysdok		RCSL 21-V039
reanalyse	reextract	RCSL 21-V051
reform	reinsert	
duetcomtext	stdcomopt	RCSL 21-T003 (+ TD-bulletin no 1) stdcomopt: standard version of 'duetoptions'
print80		RCSL 21-V035
sort80	split80	RCSL 21-V038
smart	fiks	RCSL 21-V041
fikstable		

3. Description of master tape

Contents of tape file 3 (Utilities)

Entries	References
cat3	entry catalog
teletext paramtext statustext	RCSL 21-T002 Teledata Information letter no. 1
telelogex	RCSL 21-T008
listlin writeall movetext longsum copychain initdbinf feltinf individinf registerinf listeinf filinf	Non-standard external algol-procedures required by TD No released documentation
list	Non-standard utility program. Lists text files with BOSS line numbers. Call: list <filename>
duetframe	Standard frame. English FP-keywords. Cfr. RCSL 21-T005
teleadm teletape telestatus telemove teleclock telereadcf telecleanf teletapr	RCSL 21-T025 RCSL 21-T008
teledbex	RCSL 21-T020
telerees	RCSL 21-T019

3. Description of master tape

Contents of tape file 6 (Miscellaneous)

All entries are text files only to be used for
'emergency-maintenance'.

Entries	References
cat6	Entry catalog
ttadm	No released documentation
tttape	
ttstatus	
ttmove	
ttclock	
ttreadcf	
ttcleancf	
ttlogex	
tele80	
statusfield	
tcopychain	
tcopybs	
ttdbex	
ttrees	
tttapr	

4.

Revisions

The main difference between release 4 and release 3 (per 1. June 1978) is that a number of errors has been corrected, and some modifications have been carried out.

Below is a list of the changes which are of interest to Teledata installations.

Tape file 2 - tools

SODA-system:

- Some special characters (" \$ £ @ ^ ` ~) are acceptable as input in text reading and in transfer to/from records
- Capital and small letters are acceptable as input in character reading or text reading and in transfer to/from records.
- Numeric constants are checked for overflow at time of compilation, i.e. they may have as a maximum 6 decimal positions. These new restrictions could cause errors if old soda-ld-descriptions are compiled with the new SODALD.

DUET-system:

- The algol procedure 'takevalue' in DUET has been replaced by the slang-coded procedure 'tduetcode'. As a consequence, all jobs compiling the duetttexts (e.g. the TELEOP translation) must include the command line

```
i    tduetcode
```

in front of the call of the algol-compiler (cf. the location of 'i prim'). The job size must as a minimum be 30 000 hw.

- Some special characters (cf. the SODA system) can be used in comments.
- Capital and small letters can be used as character constants, text constants or program comments.
- Checks on numeric constants as mentioned for the SODA-system.
- The segmenting of the duet file can be controlled by a buffer size parameter, given at the time of the compilation:

```
duetabler .... duetsegm.<no. of segments>...
```

giving the number of segments per (buffer) block. The default value is taken from 'oldduet' if it exists, else it is duetsegm.1. All duet blocks must be compiled with the same buffer size, or the error message

76: actual duetsegm. length does not match oldduet

will appear, and creation/updating of the duet file will be cancelled. For Teledata use the value duetsegm.4 is recommended.

A new version of the REORG80-manual is available (RCSL 21-V051).

Duetcom:

- The error message in case of a process breakdown is changed:

pause <process name> system error <cause>

where

<process name>::= the name of the process in
which Duetcom is executed.

<cause> = 0:	internal program error.
1:	internal answer state error.
2:	internal message state error.
3:	the process has not enough message buffers.
4:	the Teleop input buffer is too small (e3 in the duetcomopt could be reduced).
5:	the Duetcom process is too small.
6:	an error in the printer catalogue format.
7:	a described printer does not exist.
8,9:	vacant.
10:	error caused by test output.

Causes No. 0, 1 and 2 should not appear, as they will occur only if some coding error in the Duetcom program is detected during the run - should that happen, please notify your software maintenance contact person at RC.

Tape file 3 - Utilities

Teleop:

- Note that 'newaktt' is excluded from this release, i.e. a recompilation of Teleop should utilize the local version of 'newaktt'.
- Some details concerning Teleop can be found in Teledata Information letter No. 1.
- Capital and small letters are accepted by Teleop.
- When a duet program error or duet system error occurs, the error message will be forced out to the console immediately, and Teleop will supply the error message with the following information:

user no.: <user no.>
term no.: <terminal no.>
trans no.: <transaction no.>

- The job translating Teleop should include

i tduetcode

as described above.

Teleadm:

- A manual (RCSL 21-T025) was issued in August 1978.

Telelogex:

- An algol operation to fetch and decompose the shortclock value from log file has been added.
- The program is changed so that it can read information about the log file (size and name) from the status file. As a consequence the call parameters are changed:

Telelogex (continued):

eofpos.<name> is replaced by

fromstatus. $\left\{ \begin{array}{l} \text{no} \\ \text{yes} \end{array} \right\}$

with fromstatus.yes as default value.

Note that commando files or jobs using telelogex should be changed accordingly.

Note concerning REORG80:

The released version of REORG80 is able to re-organise list-files. It should be noted, however, that the list records may be found in a different order after reorganisation than before - the list records are of course connected to the same master records. If a specific order is to be maintained in a list file, the records must contain one or more ident fields which express the order explicitly. These fields must be logical file specific fields.

In the Teledata system a specific order is demanded in the list files 21 (order lines, odl) and 23 (account entries, ae). To maintain the order in case of reorganisation the designation ident (1) should be added to f11 in the two mentioned files (field names odl_serno and ae_serial_no, respectively).

