

Title:

SYSTEM RELEASE FORM
TELEDATA VERSION 3 RELEASE 3

 **REGNECENTRALEN**

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Abstract: Description of release 3 of the TELEDATA System version 3. Load intruction, 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.

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SYSTEM RELEASE FORM

Name: TELEDATA VERSION 3, RELEASE 3

Date: July the 1st 1978

Date of last release: April 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 3 includes a total system:

- file systems
- Tools
- Online programs (utility/application)
- Batch progrsms (utility/application)
- Administration programs
- A complete model for creation and running of the system

New programs (since release 2):

- Telerees (RCSL 21-T019)
- Teledbex (RCSL 21-T020)
- Daily Reports (RCSL 21-T021)

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.4  
load  release.no.tape.5  
load  release.no.tape.6  
finis
```

New installations

When installing the system from scratch, run the jobs in tape file 5.

Existing installations

Existing TD installations will not be able to use the model solution part of the online application programs.

2. LOAD instruction

But the skeleton part of the online applications should be applied. This affects the following sections of sysdokfile:

102	online_data_base
103.1	local_data
103.2	skeleton_program

Section 103.2 should be applied instead of the text 'skpsource' in release 2. Section 102 and 103.1, which contain information relevant to both the skeleton and the model, must be applied by making the same corrections in your source texts, as are made in sysdokfile. The corrections of sysdokfile can be inspected by the 'outchange' (or retud) command. Start with version 4.

For example:

```
Sysdok
login write chd td
outchange to.c vers.4. <latest vers>
/102  online_data_base
/103.1 local_data
end
```

Compare the output with a listing of the sections (version 4). All corrections relevant to the skeleton program should be re-done in your own source texts. After this, all the applications and TELEOP should be re-compiled (cfr. the job files transappl and transonline).

2. LOAD instruction

If you have a data base, you might have to reorganize it. This is inspected by a run like this (supposing, that olddescrip contains description of your existing data base, and newdescrip holds the corrected one):

```
reotab = set 1
reanalyse olddescrip.olddescrip,
          newdescrip.newdescrip,
          init.no,
          analyse.cf
```

Inspect the printout, and reorganize if told. The sequential files (terminal work files) will not be reorganized. So when you start running the release 3, we recommend, that all terminals are in state 'outside voucher'.

When applying release 3, the following entries may be cleared, as they only are relevant to release 2:

- tflytproc
- all entries of tape file 4 in release 2
- all entries of tape file 5 in release 2
- all entries created by 'prepareonl'

If you have and still want to use files of the same names, you should not clear them.

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: TD applications

File 5: System creation

File 6: Miscellaneous

File 7: Emph, end save.

The following pages gives a detailed description of the content 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.

3. Description of master tape

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

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

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		
sysdok		RCSL 21-V039
reanalyse	reextract	RCSL 21-V037
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 newaktt	RCSL 21-T002
telelogex	RCSL 21-T008
listlin writeall movetext longsum copychain initdbinf feltinf individinf registerinf listefinf 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 tecleancf teletapr	RCSL 21-T008
teledbex	RCSL 21-T020
telerees	RCSL 21-T019

3. Description of master tape

Contents of tape file 4 (Applications)

Entries	References
cat4	entry catalog
sysdokfile	<p>A sysdokfile holding all source texts for applications. Password: td.</p> <p>Survey:</p> <p>Section</p> <p>102 online_data_base</p> <p>103 online_applications</p> <p>103.1 local_data</p> <p>103.2 skeleton_program</p> <p> RCSL 21-T006 (+ TD-bulletin no 1)</p> <p>103.3 model_solution</p> <p> RCSL 21-T023</p> <p>110 batch_data_base</p> <p>111 log_extraction</p> <p> RCSL 21-T008</p> <p>112 db_extraction</p> <p> RCSL 21-T020</p> <p>148 daily_reports</p> <p> RCSL 21-T021</p>

3. Description of master tape

Contents of tape file 5 (system creation)

Entries	References
cat5	Entry catalog
tdbosscat	BOSS user catalog, reflecting the structure shown in appendix A.
transappl	BOSS job translating online applications and batch applications.
transonline	BOSS job translating TELEOP and DUETCOM.
authorize	Text file describing how to authorize new versions of programs for routine use.
createdb	BOSS job creating and initilizing a new data base.
dbtransact	Text file containing transactions processed in createdb
prepareruns	BOSS job creating all files needed for routine running of TELEADM
offtransact	Text file containing transactions to be used in an offline run or a demo

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 tttape ttstatus ttmove ttclock ttreadcf ttcleancf ttlogex tele80 statusfield tcopychain tcopybs ttdebex ttrees tttapr	No released documentation

4.

Revisions

Besides the new programs added to the system, minor extensions are made in some of the programs, and errors are corrected as they were found.

The applications in tape file 4 are all placed in a sysdokfile.

The system creation in tape file 5 is restructured.

Below is a list of the major interesting revisions.

Tape file 2 - tools

- SODA system is using a slang procedure for transfer from records to variables.
- DUET system has added the 'vartrace' facility.

Tape file 3 - utility

- Teledbex has been added
- Telerees has been added.
- Teleadm is slightly changed.
After the message
'next command file will be (type new line if OK)
---',
and after the message
'next command file ='
you may type

<empty> The rescue file will be executed.

0 The run will be finished.

4. Revisions

wait The run will be temporarily terminated; by typing 'i adm' teleadm will continue. (Note that this facility means that the name 'wait' should not be used for any command file).

<anything else> If this is the name of a command file, it will be executed.

- Teleop has got better alarm reactions.
- Telelogex. The information about the log size may now be read from the status file. 2 new fp-parameters are added:

statusfile.<name>

States the name of the statusfile. the file must exist if eofpos.status is used.
Default: statusfile.statusfile.

eofpos.<name>

States from where the eof position on the logfile should be fetched.

<:tail:> means catalog entry of the logfile

<:status:> means from the statusfile

Default: eofpos.status.

4. Revisions

Tape file 4 - applications

- All the source texts are put in one sysdokfile. It is from now on recommended to use sysdok in the maintenance.

If only part of the sysdokfile is to be applied, one may extract the relevant sections. The versions of sysdokfile expresses all the changes in the source texts since release 2A.

- Sect. 103.1 local_data: some new sets have been added, supporting new facilities in the skeleton.
- Sect. 103.2 Skeleton_program: The vartrace-facility is implemented (block 1).

A series of minor changes and new facilities are implemented. For details, consult sysdokfile.

- A know error in the skeleton: The count fields in the master records are sometimes not properly maintained. This may happen if
 - the terminal is logged out while it is 'in voucher' state.
 - or an error is detected 'late' in the processing of an input line.

These situations will (lateron) cause messages from telereadcf.

- Sect. 103.3 model_solution: only error corrections are implemented.

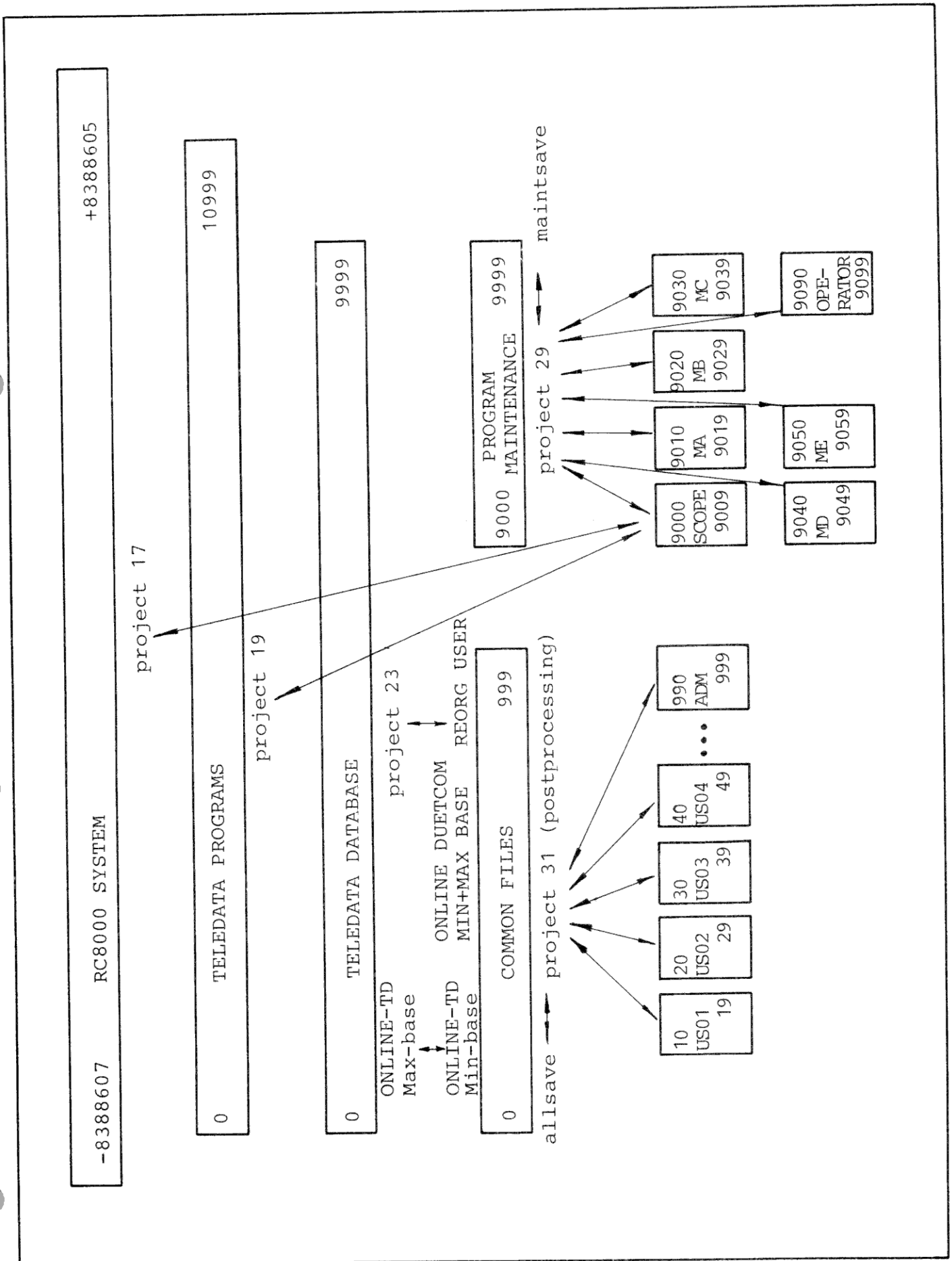
4. Revisions

- Sect. 110, 111, 112: DB-extraction is added, and the batch applications are restructured.
- Sect. 148, daily reports: added.

Tape file 5 - system creation

- The file is restructured, in order to:
 - make the installation easier
 - make the administration system suitable for routine
 - utilize sysdokfile
- The system created will be a small demo-system. The machine has only a disc (33 mbytes) and a disc1 (66 mbytes). This affects the placement of files on the disc kits. In appendix B is a suggestion for file organization on other configurations.

Appendix A: Recommended user structure



Appendix B: Recommended file organization

All discs are 66 M bytes.

FILE GROUP	CONFIGURATION		
	disc disc1 disc2 disc3	disc disc1 disc2	disc disc1
RC8000 system	disc	disc	disc
Replug	disc	disc	disc1
Safety copy of db (t1...)	disc	disc	disc
tdadmin (cf file)	disc	disc	disc1
cf files (except tdadmin)	disc1	disc1	disc1
Status file	disc1	disc1	disc1
logfile	disc2	disc2	disc
Online work files (repl01, inv02a, wrkfil01)	disc3	disc	disc
teleop	disc3	disc2	disc1
duetfile	disc3	disc2	disc1
descripfile	disc3	disc2	disc1
Other programs etc.	disc3	disc2	disc1
Data files for batch	disc3	disc1	disc1