

RC 4000 SOFTWARE

Time-Sharing Monitor

Controls the parallel execution of programs in the core store and the initiation of all input/output.

Algol Compiler

Translates Algol 60 source programs into binary object programs.

Fortran Compiler

Translates ISO Fortran source programs into binary object programs.

Slang Assembler

Translates programs written in the symbolic language Slang into binary object programs.

Loader Program

Loads binary segments into the core store.

Editor Program

Produces edited textstrings from original textstrings and a sequence of editing commands.

Debug Program

Lets the operator insert breakpoints in programs at run time in order to display and change the contents of registers and storage locations on a typewriter.

Mathematical Procedure Library

Contains numerical procedures in Algol covering basic problems.

Process Control System

Includes typically a time-sharing monitor, operator's control program, flow integration and pulse count program, logging program, alarm scanning program, trend logging program, self-check program, and off-line process description assembler.

General File Maintenance and Sorting Programs

Facilitate the writing of programs for payrolls, invoicing, stock control, and the like.

Diagnostic Programs

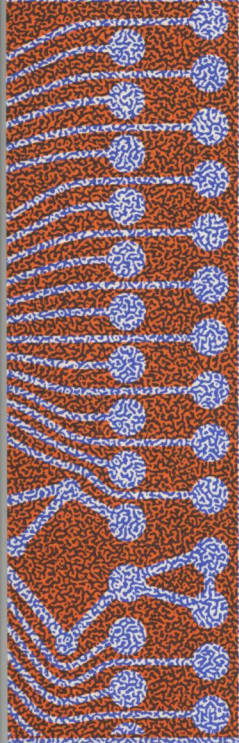
Facilitate rapid repair of the central processor and all types of peripheral devices. The processor programs include self-checking of all instructions and the internal store. The peripheral programs include individual testing of all functions.

Development Plans

Apart from an Imp macroassembler currently being developed for the RC 4000, the development of hardware systems with requisite basic software is planned in such areas as: data transmission systems, multi-terminal/multi-access systems, multi-computer systems, and graphic input/output systems comprising drafting and display devices. A sizeable software development is also planned for a wide range of applications in connection with the coming installation of RC 4000 computers in Regnecentralen's service bureaux.

lengths 3
and
and IOP proce
open (master
open (new mast
open (transfer
commit
info (master)
info (transfer
next
if master (1)
begin comment
otherwise (new
new master (1
new master (1
new master (1
new master (1
input (trans
go to next
end 5;
if master (1)
begin comment
name 1 link

GENERAL
INFORMATION



```
new_master (
new_master (
inrec (trans
go to next
end );
if master (1)
begin comment:
newrec (new_
for i:= 1 st
new_master
inrec (master
go to next
end );
if master (1)
begin comment:
master (2):=
inrec (trans
go to next
end;
comment:
close (master,
close (transac
end;
```