

ND SOFTWARE LIBRARY DISKETTE

PAGE 1

Containing :
JEC (Job Execution Control)

Directory Name :
210534B00-XX-01D

User Name : FLOPPY-USER

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	JEC-B00	PROG	I	RWACD	RWACD	RWACD	44	88064
1	JEC-1BANK-B00	BRF	I	RWACD	RWACD	RWACD	5	6414
2	JEC-2BANK-B00	BRF	I	RWACD	RWACD	RWACD	5	6416
3	JEC-LIB-500-B	NRF	I	RWACD	RWACD	RWACD	2	1040
4	INSTALL-JEC-B00	PROG	I	R	RWA	RWACD	43	156130
5	UE-ERMSG-EN-B02	ERR	I	R	R	RWACD	48	95232

6 files using 147 pages. 148 pages reserved out of 610 pages.

Product	Name JEC (Job Execution Control)	Reg. no. 210534B	Category STPR
Reason	. New product X Change/Addition	X Error Correction . Different Environment	
Documen- tation	Title SINTRAN III Utility Manual	ND-no. 60.151.02A EN	
Purpose	Controlling execution of a batch or a mode job.		
Prerequi- sites	Computer Type Floating format Op. system Version ND-100 ALL 32 and 48 bits SINTRAN III => I		
	Minimum mass storage resources for installataion User Userspace Number of files SYSTEM 146 pages on 6 files		
	Minimum permanent mass storage resources User Userspace Number of files SYSTEM 91 pages on 2 files <any> 12 pages on 3 files		
File Name	Type	Containing	
JEC-B<rev>	PROG	JEC Program	
JEC-1BANK-B<rev>	BRF	JEC Library 1 bank	
JEC-2BANK-B<rev>	BRF	JEC Library 2 bank	
JEC-LIB-500-B<rev>	NRF	JEC Library ND-500	
UE-ERMSG-EN-B<rev>	ERR	Error messages	
INSTALL-JEC-B<rev>	PROG	Install JEC	

NOTE: <rev> is to be replaced by the current revision of the DIRECTORY or FILE. The revision level is found on the preceding "ND SOFTWARE LIBRARY DISKETTE" pages.

1 INTRODUCTION

JEC is a utility program which offers the possibility of controlling execution of a batch or mode job. To utilize this facility, it will be necessary to add some statements to the present mode or batch input files.

The product includes its own JEC library, which contains routines to examine and/or output COMPLETION-CODE and ND SSI-CODE. This makes it possible to control the execution sequence in a batch or mode job, by action in a user program.

Our software products produce a so-called COMPLETION-CODE. This enables JEC to test whether the program terminated execution correctly or abnormally. The COMPLETION-CODE indicates possible error conditions. All ND products will eventually be modified to output a completion code. Consult the Program Description sheet to see if a product outputs COMPLETION-CODE.

Date 85.06.19		Norsk Data A.S PROGRAM DESCRIPTION		Page 2 of 4	
Product	Name	Reg. no.	Category		
	JEC (Job Execution Control)	210534B	STPR		

Current products which output this code are:

COBOL for ND-100/ND-10..... (10176F)
 COBOL for ND-500..... (10177F)
 SORT-MERGE for ND-100/ND-10. (10179D)
 SORT-MERGE for ND-500..... (10179B)
 FILE-HANDLER..... (10516A)
 FORTRAN for ND-100/ND-10.... (10191E)
 FORTRAN for ND-500..... (10190I)
 FORTRAN Runtime System for..
 ND-500..... (10510I)
 COSMOS Basic Module..... (10374B)
 Subsystem Package 32/48 (NRL) (10005U and 10044S)
 BACKUP-SYSTEM..... (10337F)
 COB-GEN for ND-100/ND-10.... (10536B)
 NOTIS-WP for ND-100..... (10079L)
 NOTIS-WP for ND-500..... (10526L)
 JEC (Job Execution Control). (10534B)
 SINTRAN III (I-version and later) file system commands.

2 ERRORS CORRECTED

- Error when testing against date is corrected.

3 KNOWN, BUT NOT CORRECTED ERRORS

- JEC used in connection with a program using VTM, may cause erroneous pictures on screen.

Product	Name JEC (Job Execution Control)	Reg. no. 210534B	Category STPR
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4 MODIFICATIONS

4.1 NEW COMMANDS

- INQUIRE

- Makes it possible to give values to own defined variables from the terminal, when running a mode file.

- ARITHMETIC

- Own defined variables may be used in arithmetical expressions as in a usual programming language.

- FOR, WHILE and END-FOR

- A set of SINTRAN III commands, JEC statements or user programs may be executed several times in a FOR loop. Nested loops are allowed.

- PERFORM

- Gives the possibility of executing only parts of the input file.

- DEFINE

- JEC may have its own defined variables which may be used throughout the mode file, as in SINTRAN III commands and/or subsystem parameters, and in JEC's IF test and arithmetical expressions.

- WAIT-FOR-CR

- Suspending execution until operator is ready.

- MESSAGE

- Makes it possible to send messages to the terminal, even if they are not chosen as the output media.

Testing against the name of the day.

Tesing against month number.

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5 INSTALLATION PROCEDURE

Insert the floppy 10534B-1S in floppy disk 1 unit 0. Log in as user SYSTEM.

```
@ENTER-DIRECTORY↓
DIRECTORY NAME: 210534B-XX-01↓
DEVICE NAME: FLOPPY-DISC-1 UNIT 0↓
@(210534B:FLOPPY-USER)INSTALL-JEC-B00↓
```

Follow the instructions given in the installation program.

After the question

"SHOULD LIBRARY BE COPIED USER SYSTEM?"

ignor the error message:

```
"(210534B...:FLOPPY-USER)UE-ERMSG-EN-B...:ERR"
NO SUCH FILE NAME
```

6 NOTE

If you want FORTRAN Runtime System (earlier than version E on ND-100) to produce completion codes for later testing by JEC, the JEC-1BANK-B or JEC-2BANK-B LIBRARY must be loaded by the NRL (or BRF-LINKER) command X-LOAD before the FORTRAN library is loaded.

This should not be done with FORTRAN Runtime System version E or later.

Example:

```
@BRF-LINKER
PROG-FILE "PROG-NAME"
LOAD PROG-NAME
X-LOAD JEC-1BANK
LOAD FORTRAN-1BANK
EXIT
```

