

NORSK DATA A/S			NORD SOFTWARE LIBRARY REVISION LOG		PAGE 1 OF 3																												
PRODUCT	NAME PASCAL			ND-NUMBER 10076J, 10133J, 10187J																													
ISSUED	DATE 83.12.07		BY (INITIALS) TN																														
REASON	x ERROR CORRECTION x CHANGE/ADDITION		X DIFFERENT ENVIRONMENT																														
FILES CHANGED OR NEW FILES	<table border="0"> <tr> <td>PROG.NUMB.</td> <td>NAME</td> <td></td> </tr> <tr> <td>COM-2349J</td> <td>PASCAL-COD-J:BRF</td> <td rowspan="4">} 10076J</td> </tr> <tr> <td>COM-2351J</td> <td>PASCAL-LIB-J:BRF</td> </tr> <tr> <td>204615J</td> <td>PASCAL-2LIB-J:BRF</td> </tr> <tr> <td>COM-2350J</td> <td>PASCAL-ERR-J:SYMB</td> </tr> <tr> <td>COM-2374J</td> <td>PASCAL-COD-J:BRF</td> <td rowspan="4">} 10133J</td> </tr> <tr> <td>COM-2376J</td> <td>PASCAL-LIB-J:BRF</td> </tr> <tr> <td>204616J</td> <td>PASCAL-2LIB-J:BRF</td> </tr> <tr> <td>COM-2350J</td> <td>PASCAL-ERR-J:SYMB</td> </tr> <tr> <td>203394J</td> <td>PASCAL-COD-J:BRF</td> <td rowspan="3">} 10187J</td> </tr> <tr> <td>203395J</td> <td>PASCAL-LIB-J:BRF</td> </tr> <tr> <td>COM-2350J</td> <td>PASCAL-ERR-J:SYMB</td> </tr> </table>					PROG.NUMB.	NAME		COM-2349J	PASCAL-COD-J:BRF	} 10076J	COM-2351J	PASCAL-LIB-J:BRF	204615J	PASCAL-2LIB-J:BRF	COM-2350J	PASCAL-ERR-J:SYMB	COM-2374J	PASCAL-COD-J:BRF	} 10133J	COM-2376J	PASCAL-LIB-J:BRF	204616J	PASCAL-2LIB-J:BRF	COM-2350J	PASCAL-ERR-J:SYMB	203394J	PASCAL-COD-J:BRF	} 10187J	203395J	PASCAL-LIB-J:BRF	COM-2350J	PASCAL-ERR-J:SYMB
PROG.NUMB.	NAME																																
COM-2349J	PASCAL-COD-J:BRF	} 10076J																															
COM-2351J	PASCAL-LIB-J:BRF																																
204615J	PASCAL-2LIB-J:BRF																																
COM-2350J	PASCAL-ERR-J:SYMB																																
COM-2374J	PASCAL-COD-J:BRF	} 10133J																															
COM-2376J	PASCAL-LIB-J:BRF																																
204616J	PASCAL-2LIB-J:BRF																																
COM-2350J	PASCAL-ERR-J:SYMB																																
203394J	PASCAL-COD-J:BRF	} 10187J																															
203395J	PASCAL-LIB-J:BRF																																
COM-2350J	PASCAL-ERR-J:SYMB																																

ND-Pascal. Version J.

=====

With this release of ND-Pascal a new revision of the user manual, ND-60.124.5, has been produced. The manual covers both ND-100 Pascal and ND-500 Pascal.

Corrected errors

All known errors in version I have been corrected. Some of these were of a minor nature, and are not reported below.

1. ND-500: Character assignment failed when option C+ was in effect.
2. ND-100: In some cases the compiler generated erroneous code re-using already occupied stack space.
3. The maximum legal length of a source code line is now 96 characters both for the ND-100 and ND-500 compilers.
4. ND-500: FILE OF REAL did not work correctly.
5. A program would hang at program end when the same file was CONNECTed several times without intervening DISCONNECTs.
6. The call PAGE; did not work correctly.

NORSK DATA A/S		NORD SOFTWARE LIBRARY	PAGE 2 OF 3
		REVISION LOG	
PRODUCT	NAME	ND-NUMBER	
	PASCAL	10076J, 10133J, 10187J	

7. ND-500: The compiler in some cases generated erroneous code for Boolean expressions.
8. An error in the CONNECT procedure which occurred when CONNECTing a logical unit has been corrected.
9. ND-100: A problem with)LIB marks when generating overlay modules has been corrected.
10. The procedure CONNECT's buffer holding the SINTRAN file name has been extended to 60 characters.
11. ND-500: A program initially gave EOLN = TRUE even though the program call had parameters.
12. ND-500: Byte (character) comparisons erroneously were signed.
13. An error in the "make set range" run-time routine has been corrected.
14. Both the values 15 octal and 215 octal will give EOLN = TRUE when option C+ is in effect.
15. It was not possible to transfer a conformant array parameter to a non-Pascal routine.
16. ND-100: The interface to PLANC-routines with or without INITSTACK now works correctly. The PLANC-routine has to be defined as STANDARD in the Pascal program.

Extensions and changes

1. The compilers now accept hexadecimal integer constants. The syntax is:

```

<hex constant> ::= <sign> <digit> æ <hexdigit> å <size> "H"
<sign>          ::= <empty> ø "+" ø "-"
<hexdigit>      ::= <digit> ø "A" ø "B" ø "C" ø "D" ø "E" ø "F"
<size>          ::= <empty> ø "L"

```

NORSK DATA A/S			NORD SOFTWARE LIBRARY			PAGE 3 OF 3			
			REVISION LOG						
PRODUCT		NAME PASCAL				ND-NUMBER 10076J, 10133J, 10187J			

2. ND-100: The stack format of a Pascal procedure or function object has been changed to conform with the standard for PLANC and other ND-100 languages. An object now has six system locations in the header instead of three, as follows:

return address
dynamic link
not used
not used
static link
not used

Note: This change makes it necessary to modify all assembly routines called from a Pascal program. The function value, or first parameter, will now be at relative location 6 to (A)+(B), instead of previously at relative location 3.

3. ND-100: The compiler will now produce two-bank BRF code when option B2 is in effect. The new library, PASCAL-2LIB:BRF, must be loaded to produce an executable two-bank program.

It is still possible to make two-bank programs as it was done previously, i.e. by entering the loader command DEFINE NOBKS 2 and loading PASCAL-LIB, but the new method saves space in the instruction bank.

When loading two-bank code to create a system of overlaid modules, one must enter the NRL command

SET-MODE DATA

before the first OVERLAY-GENERATION command.

Refer to the new ND-Pascal Reference Manual for further details on two-bank programs.