

ND PASCAL for ND-500

211003B06

Report no: 1

Date: 890510

Program: All
Title: Revision B06.

In this revision, all known errors have been corrected.
In addition, 3 new options has been introduced and the
code generator has been changed, in order to produce
better code for the ND-5000.

In detail, the following corrections have been made:

- The code generator produces code using short instructions, which gives a better performance on the ND-5000 systems.
- A new option ic- / ic+ has been introduced. Default is ic+. Using option ic- means that exported and imported variables are handled in the same way as PLANO. Using option ic+ means that exported and imported variables are handled as FORTRAN common blocks, which was the case in all earlier versions.

Variables, which are declared in a prologue file will be handled as FORTRAN common block in both cases.

- A new option lm+ / lm- has been introduced, which is used to switch to library mode. Using option lm+ means that each module will contain library marks. This is default for the ND-500, and was the case for the ND-500 in all earlier versions. Using option lm- means that no library marks will be generated. This is default for the ND-100, and was the case for the ND-100 in all earlier versions. Using option lm- on the ND-500 allows the linkage-loader facility reload to be used.

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- A new option pr- / pr+ has been introduced, which is used to produce profiling information. Using option pr+ means that profiling information will be produced at runtime, which can be printed with a new program CAT-PROFILE. Using option pr- means that no profiling information will be produced. This is default.

This option is only available for the ND-500 and can be used only by the new product CAT-PROFILE (ND-No 211565), which is to be released.

- The FOCUS call FPFNAME has been replaced by FPFIDNA with the following parameters:

```
{ Get Field Names }
procedure fpfidna(from_field_number : integer2;
                  to_field_number   : integer2;
                  var field_list    : array[1b1..ub1:byte2] of
                    packed array[1b2..ub2:byte2] of char;
                  var occ_numbers  : array[1b3..ub3:byte2] of integer2;
                  var status       : integer2);
```

- The parameters to the FOCUS call FPFMIN have been changed to:

```
(* Get Form Information *)
procedure fpfmin
  (var form_info_array : array[1b1..ub1:byte2] of integer2;
   info_array_length : integer2;
   var status        : integer2);
```

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