NAMEFD	CERN Program Library	M442

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Fortran Emulation of VM/CMS NAMEFIND Command

`NAMEFD` is a Fortran callable routine providing an emulation of the `VM/CMS NAMEFIND` command.

Structure:

`SUBROUTINE` subprogram
User Entry Names: `NAMEFD`

Usage:

```
CHARACTER*255 CHIN(NIN),CHOUT(NOUT)
CALL NAMEFD(LUN,CHFILE,CHIN,NIN,CHOUT,NOUT,IRC)
```

`NAMEFD` scans the specified file for entries that match the specified input tags and values. It returns the values of the specified output tags. Thus, given the example file shown below, one might call `NAMEFD` with input tag `:NICK`, value `SNIFFLES` and output tags `:PHONE` and `:ADDRESS`. If no match is found for the specified input, a code `IRC` is returned.

```
CHIN(1,1)  = ':NICK'
CHIN(2,1)  = 'SNIFFLES'
NIN        = 1

CHOUT(1,1) = ':PHONE'
CHOUT(1,2) = ':ADDRESS'
NOUT       = 2

CALL NAMEFD(1,'TEST.NAMES',CHIN,NIN,CHOUT,NOUT,IRC)
```

Return codes:	32	- no match for input tags and values,
	4	- not all requested output tags found,
	other	- `IOSTAT` from `FORTRAN OPEN` of specified names file.

Format of a Names File

A names file is a collection of entries, with each entry identied by a *nickname*. A nickname tag plus a series of other tags with associated values make up an entry.
The format of data lines in a names file is as follows:

```
tag.value (:tag.value...)
```

The only tag that is required is a `:NICK` tag, e.g.

```
:NICK.fatuser
```

This is the primary tag, one for each entry. It identifies the beginning of an entry and must be the first word on a line. Any tags that follow relate to the preceding `:NICK` tag.

Examples:

An example of a `NAMES` file.

```
:nick.SNOW      :userid.SNOWHITE :node.FOREST
                :name.Snow White               :phone.ZZZ-ZZZZ
                :addr.Forest Primeval
:nick.SNOOZY    :userid.SNOOZY   :node.COTTAGE
                :name.I. M. Dozing             :phone.777-7777
                :addr.Dwarf Cottage;Forest
:nick.DUMMY     :userid.DUMMY    :node.COTTAGE
                :name.S. A. What               :phone.777-7777
                :addr.Dwarf Cottage;Forest
:nick.BOSS      :userid.BOSS     :node.COTTAGE
                :name.T.O.P. Banana            :phone.777-7777
                :addr.Dwarf Cottage;Forest
:nick.SNIFFLES  :userid.SNIFFLES :node.COTTAGE
                :name.A. H. Choo               :phone.777-7777
                :addr.Dwarf Cottage;Forest
:nick.GROUCHY   :userid.GROUCHY  :node.COTTAGE
                :name.E. B. Scrooge            :phone.777-7777
                :addr.Dwarf Cottage;Forest
:nick.SMILEY    :userid.SMILEY   :node.COTTAGE
                :name.H. A. Haas               :phone.777-7777
                :addr.Dwarf Cottage;Forest
:nick.WISTFUL   :userid.WISTFUL  :node.COTTAGE
                :name.R. U. Shy                :phone.777-7777
                :addr.Dwarf Cottage;Forest
:nick.WITCH     :userid.QUEEN    :node.CASTLE
                :name.Bad Queen                :phone.UGLY-1111
                :addr.Vanity Lane;Mirror City
:nick.GORGEOUS  :userid.PRINCE   :node.ATLARGE :notebook.PRIVATE
                :name.Prince Charming          :phone.Area 111 111-1111
:nick.DWARFS
                :list.SNOOZY DUMMY BOSS SMILEY GROUCHY SNIFFLES WISTFUL
```

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