

Laser-Scan Ltd.

IFNODE

Node Extraction from Junction IFF Files

Copyright (C) 2020 Laser-Scan Ltd.
Science Park, Milton Road, Cambridge, England CB4 4FY tel: (0223) 420414

Document "IFNODE User Reference Manual"	Category "USER"
Document Issue 1.1	D. Meader 24-Feb-1988
Document Issue 1.0	D. Meader 14-Aug-1984

IFNODE - Node Extraction from Junction IFF Files

IFNODE is a utility which takes a junction IFF file (usually created using LAJ, VTRAK or IFJ), extracts the junction positions from it and creates an output IFF file (of default type .NDE) containing these nodes as point symbols. This file may then be plotted as it stands, or merged with other IFF data. Facilities are available for specifying which overlay will contain the point symbols, which feature code is to be associated with them, and their size (THICKNESS) if appropriate.

IFNODE is normally defined as a foreign command. The command syntax of this utility conforms to (and is in fact more general than) that of standard VAX/VMS programs, and is (in its most general form):

```
IFNODE [/OVERLAY=n] [/CODE=n] [/SIZE=n] [FROM] infile [[TO] outfile]
```

The following switches are recognised:

```
/OVERLAY=n
/LAYER=n
```

Specifies the number of the overlay which will contain the point features.

```
/CODE=n
/FCODE=n
/FEATURE_CODE=n
```

Specifies which feature code they will have (i.e. sets the first word in the FS entries).

```
/SIZE=n
/THICKNESS=n
```

Specifies their size if the symbols are scalable (i.e. sets the TH entries).

All switches may be abbreviated (but must, of course, be unambiguous). If a switch is specified, it MUST be given an (integer) argument, e.g.

```
IFNODE/OV=5/FC=54 FRED
```

which will take IFF file LSL\$IF:FRED.IFF and produce IFF file LSL\$IF:FRED.NDE with layer 5 and feature codes of 54. The following examples illustrate the command syntax:

```
IFNODE/OV=5/FC=54 FRED JIM
```

```
IFNODE/OV=3 FROM FRED TO .TMP
```

```
IFNODE/FC=7/SIZE=20 TO JIM FROM FRED
```

IFNODE/OV=5/FC=54 FRED [JIM]

Error messages produced by IFNODE conform to VAX/VMS conventions, and are hopefully all self-explanatory. In addition, IFNODE sets \$STATUS and hence any failure may be detected from within command files.