

MakeNL -- Version 2.51

NODELIST Generator Program

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Introduction

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1.1 How to use this manual

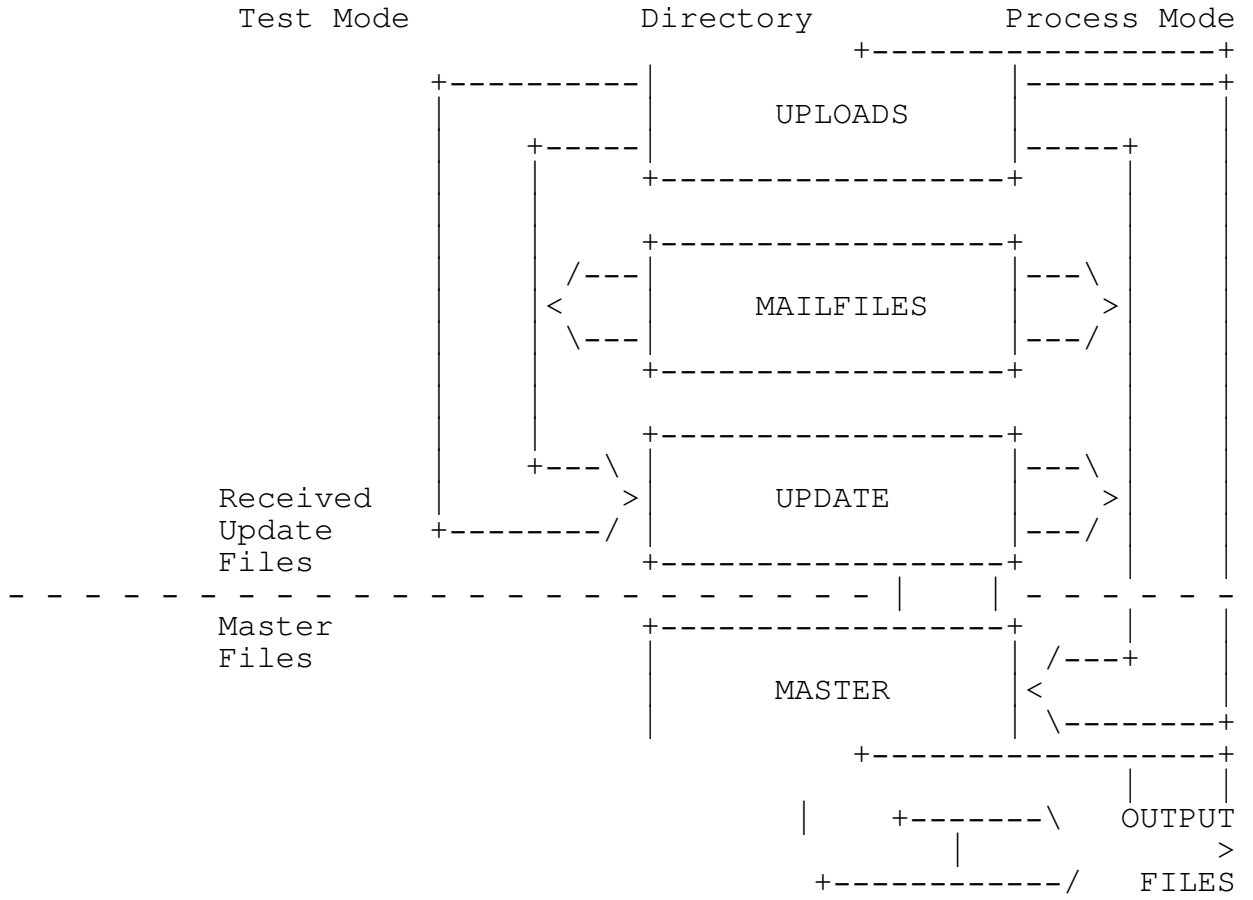
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. Data Flow - Test Mode vs. Process Mode

## 2. MakeNL Operation

### 2.1 Operational overview

MakeNL



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MakeNL Operation

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## 2.2 Operation at a Hub or simple Network

MakeNL

MakeNL

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```

; This variation uses a "master data file" for input and
; sends output to the same file name.

make hub <100> <hub.100> ; note explicit name of file
                        ; simplifies processing
outfile <hub.100>      ; master and output files have SAME
                        ; name

submit <host's address> ; where you send updates, CRASH
                        ; and/or HOLD optional
netaddress <your address> ; your network address here
messages <directory>    ; path name to mail server's
                        ; mail area

; No other options are needed. Master directory and output
; directory will default to the current directory.

```

```

; This variation uses "internal" data at the bottom of the
; control file.

make network <nbr>      ; No "master data file" input data
                        ; is below.
outfile <explicit name> ; output file

submit <RC's address>  ; where you send updates, CRASH
                        ; and/or HOLD optional
netaddress <your address> ; your network address here
messages <directory>    ; path name to mail server's
                        ; mail area

; No other options are needed. Master directory and output
; directory will default to the current directory.

data

; Your source data goes here. The advantage of this over
; the version above is that MAKENL will not reformat or change
; your source data, even if you have errors.

```

. Sample control files for Hubs and smaFlgNet2

MAKENL

MakeNL

MAKENL /T

MakeNL

MakeNL

MAKENL /T /M[ [= <path> \ ] <filename> ]

MakeNL

MakeNL

MakeNL

### Examples

```
MAKENL /T /M ; use NODELIST in current
MAKENL /T /M=\BBS\NODELIST ; use NODELIST in \BBS\
MAKENL /T /M=R10-LIST ; use R10-LIST in current
```

MakeNL

MakeNL

### 2.3 Operation at a large Network



```

make network <nbr>           ; No "master data file" input data
                             ; is below.

outfile <explicit name>     ; use generic name if output file
                             ; is very large

process    Wednesday        ; Set this day to meet deadline RC
                             ; gives you

master     <directory>      ; where master files reside
                             ; (default - current)
update     <directory>      ; where to save received files
                             ; 'till processing
mailfiles  <directory>      ; where mail server places received
                             ; files
uploads    <directory>      ; where BBS places uploaded files
                             ; (if needed)
badfiles   <directory>      ; optional "waste can" for files
                             ; with fatal errors

notify receipt                ; notify both receipt and errors
                             ; CRASH and/or HOLD optional
submit     <RC's address>     ; where you send updates, CRASH
                             ; and/or HOLD optional
netaddress <your address>    ; your network address here
messages   <directory>       ; path name to mail server's
                             ; mail area

; No other options are needed.

data

; Your source data goes here.

files

Hub <nbr> <file name>        ; either generic or explicit file
                             ; name, but must match convention
Hub <nbr> <file name>        ; used by Hub.
Hub <nbr> <file name> <notification address>; if not "net/hub"
Hub <nbr> <file name>
;     etc.

```



MakeNL

distinct

MakeNL

MAKENL

or if you want to keep a log of activity

MAKENL >>MAKENL.LOG

MakeNL  
MakeNL

MakeNL

```

+-----+
make region <nbr>           ; No "master data file" input data
                           ; is below.

outfile <generic name>     ; use generic name for output file

process    Thursday        ; Set this day to meet deadline ZC
                           ; gives you

arc 5          ; force ARC 6 or 7 to generate level 5 archives
               ; DO NOT use ARC5 with ARC versions earlier than 6

master    <directory>     ; where master files reside
                           ; (default - current)
update    <directory>     ; where to save received files
                           ; 'till processing
mailfiles <directory>     ; where mail server places received
                           ; files
uploads   <directory>     ; where BBS places uploaded files
                           ; (if needed)
badfiles  <directory>     ; optional "waste can" for files
                           ; with fatal errors

notify    errors CRASH    ; notify of errors (CRASH and/or
                           ; HOLD optional)
notify    receipt         ; use either of these or both with
                           ; different attributes.

submit    <ZC's address>  ; where you send updates, CRASH
                           ; and/or HOLD optional
netaddress <your address> ; your network address here
messages  <directory>    ; path name to mail server's
                           ; mail area

data

; Your region source data goes here.

files

Net <nbr> <file name>     ; either generic or explicit file
Net <nbr> <file name>     ; name, but must match convention
                           ; used by Net.
Net <nbr> <file name> <notification address> ; if not "net/0"
Net <nbr> <file name>
+-----+

```

MakeNL

to use MakeNL

## 2.4 Operation by a Regional Coordinator

MakeNL

## 2.5 Operation by a Zone Coordinator



```

+-----+
make zone <nbr>                ; No "master data file" input data
                                ; is below.
outfile <explicit name>        ; use generic name for output file
                                ; if very large
process    Thursday            ; Set this day to meet deadline ITC
                                ; gives you or Friday after
                                ; cut-over to zone based nodelist
arc 5          ; force ARC 6 or 7 to generate level 5 archives
                ; DO NOT use ARC5 with ARC versions earlier than 6

master    <directory>          ; where master files reside
                                ; (default - current)
update    <directory>          ; where to save received files
                                ; 'till processing
mailfiles <directory>          ; where mail server places received
                                ; files
uploads   <directory>          ; where BBS places uploaded files
                                ; (if needed)
badfiles  <directory>          ; optional "waste can" for files
                                ; with fatal errors
notify    errors CRASH         ; notify of errors (CRASH optional)
                                ; Errors should not occur at this
                                ; level, but. . .
submit    1:1/0                ; where you send updates, CRASH
                                ; and/or HOLD optional
netaddress <your address>      ; your network address here
messages  <directory>          ; path name to mail server's
                                ; mail area

data

; Your zone source data goes here. Note that first
; non-comment statement must begin with the keyword "Zone"
; not "Region"

files

Region <nbr> <generic name>
Region <nbr> <generic name>
Region <nbr> <generic name> <notification address> ; if not
                                                ; "region/0"
Region <nbr> <generic name>
;      etc.
+-----+

```

. Sample control file for Zone Coordination



```

make composite
name <network name>      ; eg. FidoNet or AlterNet or EGGnet

threshold 0 -1 ; force ARC -- no submittal difference file

arc 5      ; force ARC 6 or 7 to generate level 5 archives
           ; DO NOT use ARC5 with ARC versions earlier than 6

outfile <generic name> ; recommended names:
                               ; NODELIST - complete composite list
                               ; Zn-LIST  - zone distribution list
                               ; Rnn-LIST - region distribution list
                               ; NnnnLIST - network distribution list

outdiff <generic name> ; recommended names:
                               ; NODEDIFF - complete composite list
                               ; Zn-DIFF  - zone distribution list
                               ; Rnn-DIFF - region distribution list
                               ; NnnnDIFF - network distribution list

master    <directory> ; same as OUTPath or MASTER in
                               ; previous run
outpath   .           ; put <name>.nnn in current directory

copyright <cpy-dist.txt>; if these three files are not path-
prolog    <file name>  ; qualified, they are located in the
epilog    <file name>  ; master directory

files

Network <nbr> <explicit name> ; must match OUTFile name of
                               ; previous run
; or
Region  <nbr> <generic name>  ; must match OUTFile name
; or
Zone    <nbr> <generic name>  ; must match OUTFile name
Zone    <nbr> <generic name>  ; file(s) received from
; etc. . .                    ; other ZC(s)

```

, Sample control file for distribution Figures 6





## 2.6 Putting together a Distribution Nodelist Segment

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MAKENL

IF ERRORLEVEL 3 GOTO LOOP

MAKENL DISTRIB

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### 3. Definitions

#### 3.1 Composite Nodelist

#### 3.2 Generic File Name

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MakeNL

MakeNL

#### 3.3 Explicit File Name

MakeNL

#### 3.4 Archive File

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MakeNL



3.5 Difference File

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3.6 Submittal File

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3.7 Distribution File

MakeNL

3.8 Absolute Directory Path

3.9 Relative Directory Path

3.10 Publication Date



#### 4. MakeNL Command Line

MakeNL

```
MakeNL [<control_file_name>] [/PROCESS | /TEST]
      [/MERGE[=<list_name>] [/NAME=<composite_name>]
```

##### 4.1 Control file name

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MakeNL ZONE1

MakeNL

MakeNL MASTER\NET100.CFG

MakeNL

MakeNL

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MakeNL

MAKENL >MAKENL.LOG

MAKENL >>MAKENL.LOG

MakeNL

##### 4.2 /TEST switch

MakeNL

4.3 /PROCESS switch

MakeNL

4.4 /MERGE switch

MakeNL

/M=[path\]<generic\_name>

4.5 /NAME=<network\_name>

MAKENL "/N=Parks Service"

case  
is significant

MAKNL /N=FidoNet

#### 4.6 Error return codes

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MakeNL



## 5. MakeNL Directories

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### 5.1 Master Directory

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### 5.2 Update Directory

### 5.3 Mailfiles Directory

### 5.4 Upload Directory

### 5.5 Other Directories

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## 6. MakeNL Control File

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### 6.1 Control statements

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6.1.1 MAKE <segment\_type> [<number> [<source\_file>]]

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MakeNL

Examples:

```
MAKE COMPOSITE      ; make a complete nodelist
MAKE NET 100 MASTER.DAT ; input data from "master"
MAKE REGION 10      ; use DATA statement
6.1.2 NAME <network_name>
```

\_\_\_\_\_ that is case-sensitive. It

6.1.3 PUBLISH <day\_of\_week>

MakeNL

MakeNL

\_\_\_\_\_ is

\_\_\_\_\_ date if different if you publ

MakeNL

Example:

```
PUBLISH SUNDAY ; sets file extensions according to  
; Sunday's date
```

CAUTION: Some nodelist processors may fail to operate correctly with file name extensions keyed to a day of week other than Friday. For example, versions of EditNL earlier than 4.20 will never find such files. On the other hand, XLATLIST handles all such extensions, but has a problem with the first list of a new year if you don't delete the list(s) from the previous year first.

6.1.4 PROCESS <day\_of\_week>

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MakeNL

Example:

```
PROCESS THURSDAY
```

6.1.5 MERge [<nodelist\_name>]

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Example:

MERGE \BBS\NODELIST

6.1.6 PRIVate <disposition>

MakeNL

MakeNL

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6.1.7 MINphone <minimum\_parts>

MakeNL



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MakeNL Control File

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Example:

MINPHONE 4

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6.1.8 BAUdrate <valid\_baud\_rates>

MakeNL

MakeNL



For example:

BAUDRATE 1200,2400,4800,9600

BAUDRATE 300,1200,2400,4800,9600,14400

cannot be more liberal!

## 6.2 Defining nodelist segment directories

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MakeNL

<verb> <directory\_path\_name>

### 6.2.1 MASTER <directory\_path\_name>

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### 6.2.2 UPLOADS <directory\_path\_name>

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6.2.3 MAILfiles <directory\_path\_name>

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6.2.4 UPDate <directory\_path\_name>

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6.2.5 BADfiles <directory\_path\_name>

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6.3 Defining output

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6.3.1 OUTFile <filename>

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6.3.2 OUTPath <directory\_path\_name>

MakeNL

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6.3.3 THReshold <arc\_size> [<diff\_size>]

MakeNL



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Examples:

```
THRESHOLD 5000 ; recommended value for 1200 baud
THR 0          ; always create an archived diff file
THR 0 -1       ; always archive -- no diff
THR -1 -1      ; turn compression off
```

6.3.4 ARC &lt;n&gt;

MakeNL

Do not use ARC <n> if you have ARC version 5 or earlier. It will cause errors, as will the use of "ARC 6" with version 6. The compatibility level must always be LOWER than your version level.

6.3.5 OUTDiff &lt;generic\_filename&gt;

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MakeNL Control File

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Example:

```
MAKE COMPOSITE
THRESHOLD 0 -1 ; force archiving -- no submittal diff
OUTPATH . ; master list to current directory
OUTFILE NODELIST ; create NODELIST.Atu
OUTDIFF NODEDIFF ; create NODEDIFF.Atu
```

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### 6.3.6 CLEANUP

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### 6.4 External message transmission

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6.4.1 NETaddress [<zone>:]<net>/<node>

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MakeNL

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MakeNL

Examples:

NETADDRESS 100/76

NETADDRESS 1:1/0

6.4.2 MESSAGES <directory\_path\_name>

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MakeNL

Example:

MESSAGES D:\BBS\MAIL

6.4.3 SUBmit <address> [<flags>]

MakeNL

Example:

SUBMIT 13/0 CRASH

MakeNL

---



---

should use it o

NOTE: If you don't know what I'm talking about, don't use the INTL flag. It may cause you trouble. Consult your mail server's documentation for guidance. Most mail servers do not require this feature and many consider these messages malformed. Two which may need the INTL flag are D'Bridge and FrontDoor.

6.4.4 NOTify <type> [<flags>]

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---

<type> is one of RECeipt, ERRors or SELF.

MakeNL

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your

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6.5 Defining special files

MakeNL

6.5.1 Output comments files

MakeNL



not

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not

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6.5.1.1 COPYright <explicit\_filename>

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Examples:

COPYRIGHT CPY-DIST.TXT

COPYRIGHT NONE ; file "NONE" does not exist

6.5.1.2 PROlog <explicit\_filename>

MakeNL

6.5.1.3 EPIlog <explicit\_filename>

MakeNL

6.5.2 Comments from received files

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6.5.2.1 COMments <explicit\_filename>

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6.6 DATA

MakeNL

6.7 FILES

<segment\_type> <number> <filename> [<notify>]

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Examples:

```
REGION      14      REGION14          14/61
NETWORK     100     NETWORK.100
```

## 7. Disk and Memory Space Considerations

If you do not use archiving compression, MakeNL should execute satisfactorily in about 160 kilobytes. If you are using archiving, you should have about 290 kilobytes of memory. IF YOU ATTEMPT TO EXECUTE ARC WITH TOO LITTLE MEMORY, YOU MAY LOSE FILES!

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8. Contents of MakeNL Distribution Package

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9. MakeNL License Information

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