

# NetPrep - Quick Reference

Version 5.0.8



## Usage

### NetPrep [-flag] [control\_file]

Optional Flags:

- Q[uiet] = execute without screen messages
- H[elp] = show program syntax and control keys
- C[ontrol] = create/update a default control file
- K[eyCheck] = list unrecognized control file keys
- P[ause] = pause before exiting
- N[oPause] = never pause before exiting
- D[etail] = execute with detailed status messages
- X[ML] = write an XML file with control keys

## Purpose

### Configuration Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
TITLE	Text		
REPORT_FILE	File		filename[_partition][.prn]
REPORT_FLAG	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
PROJECT_DIRECTORY	Path		
MODEL_START_TIME	Time	0:00	>= 0 [seconds], 0.0 [hours], 0:00
MODEL_END_TIME	Time	24:00	> [model_start_time]
UNITS_OF_MEASURE	Text	METRIC	METRIC, ENGLISH
RANDOM_NUMBER_SEED	Int.	0	0 = computer clock, > 0 = fixed
MAX_WARNING_MESSAGES	Int.	100000	>= 0
MAX_WARNING_EXIT_FLAG	Bool	TRUE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
MAX_PROBLEM_COUNT	Int.	0	>= 0
NUMBER_OF_THREADS	Int.	1	1..24
NETPREP_REPORT_*	Text		program report name

*System File Keys*

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
NODE_FILE	File		[project_directory]filename
ZONE_FILE	File		[project_directory]filename
SHAPE_FILE	File		[project_directory]filename
LINK_FILE	File		[project_directory]filename
NEW_NODE_FILE	File		[project_directory]filename
NEW_ZONE_FILE	File		[project_directory]filename
NEW_SHAPE_FILE	File		[project_directory]filename
NEW_LINK_FILE	File		[project_directory]filename

*File Service Keys*

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
NOTES_AND_NAME_FIELDS	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N

*Projection, Smooth Data, Difference Data Keys*

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
INPUT_COORDINATE_SYSTEM	List		LATLONG, DEGREES/MILLION_DEGREES or STATEPLANE/UTM, code, FEET/METERS/MILES/KILOMETERS
INPUT_COORDINATE_ADJUSTMENT	List		X Offset, Y Offset, X Factor, Y Factor
OUTPUT_COORDINATE_SYSTEM	List		LATLONG, DEGREES/MILLION_DEGREES or STATEPLANE/UTM, code, FEET/METERS/MILES/KILOMETERS
OUTPUT_COORDINATE_ADJUSTMENT	List		X Offset, Y Offset, X Factor, Y Factor
OUTPUT_XYZ_SHAPES	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
OUTPUT_XYM_SHAPES	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N

*Control Keys*

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
INPUT_LINK_FILE	File		[project_directory]filename
INPUT_NODE_FILE	File		[project_directory]filename

## Control Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
INPUT_ZONE_FILE	File		[project_directory]filename
INPUT_SPDCAP_FILE	File		[project_directory]filename
INPUT_UNITS_OF_MEASURE	Text	METRIC	METRIC, ENGLISH
FACILITY_INDEX_FIELD	Text		
AREA_TYPE_INDEX_FIELD	Text		
CONVERSION_SCRIPT	File		[project_directory]filename
INTERNAL_ZONE_RANGE	List	0	0..10000
KEEP_ZONE_CONNECTORS_AS_LOCALS	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
FIRST_NODE_NUMBER	Int.	1	1..1000000000
FIRST_LINK_NUMBER	Int.	1	1..1000000000
SPEED_FACTOR_BY_FACILITY	List	1.0	1.0..2.0
SPEED_ROUNDING_INCREMENT	Dec.	0.0 mps	0.0..10.0 mps
COORDINATE_RESOLUTION	Dec.	1.0 meters	0..30 meters
MAXIMUM_LENGTH_TO_XY_RATIO	Dec.	0.0	0.0, 1.0..3.0
MAXIMUM_SHAPE_ANGLE	Int.	90 degrees	10..160 degrees
MINIMUM_SHAPE_LENGTH	Int.	10 meters	0..200 meters
DROP_DEAD_END_LINKS	Int.	0 meters	0..2000 meters
DROP_SHORT_LINKS	Dec.	0 meters	0..200 meters
SPLIT_LARGE_LOOPS	Int.	0 meters	0, 100..4000 meters
COLLAPSE_SHAPE_NODES	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
COLLAPSE_DIVIDED_ARTERIALS	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
LOCAL_THRU_SEGMENT_LENGTHS_*	List	0 meters	0, 500..10000 meters
LOCAL_SELECTION_SPACING_*	List	0 meters	0, 50..10000 meters
KEEP_NODE_RANGE	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
KEEP_NODE_FILE	File		[project_directory]filename
KEEP_LINK_RANGE	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
KEEP_LINK_FILE	File		[project_directory]filename

### Control Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
DELETE_NODE_RANGE	List	NONE	e.g., 1, 2, 4..10, 100..200, 300
DELETE_NODE_FILE	File		[project_directory]filename
DELETE_LINK_RANGE	List	NONE	e.g., 1, 2, 4..10, 100..200, 300
DELETE_LINK_FILE	File		[project_directory]filename
NEW_LINK_DETAIL_FILE	File		[project_directory]filename
NEW_LINK_NODE_LIST_FILE	File		[project_directory]filename

### Notes

Each '\_FILE' key has a corresponding '\_FORMAT' key. The following file formats can be used for input and output files.  
TEXT, BINARY, FIXED\_COLUMN, COMMA\_DELIMITED, SPACE\_DELIMITED, TAB\_DELIMITED, CSV\_DELIMITED, DBASE, SQLITE3, VERSION3