

NewFormat - Quick Reference

Version 5.0.17



Usage

NewFormat [-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

1. Converts Version 4 transit driver plans to a Version 5 transit driver file.
2. Converts a Version 4 population file to a Version 5 household and population file
3. Converts a Version 4 activity file to a Version 5 activity file
4. Converts a Version 4 survey activity file to a Version 5 survey activity file
5. Convert the X-Y coordinates in a survey activity file to the TRANSIMS coordinate system and then match the location to the nearest activity location.
6. Estimates locations for activities without coordinates based on the prior and following activity locations and excluded households located outside the modeling region.

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

Configuration Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
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

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
POCKET_FILE	File		[project_directory]filename
LANE_USE_FILE	File		[project_directory]filename
CONNECTION_FILE	File		[project_directory]filename
TURN_PENALTY_FILE	File		[project_directory]filename
PARKING_FILE	File		[project_directory]filename
LOCATION_FILE	File		[project_directory]filename
ACCESS_FILE	File		[project_directory]filename
SIGN_FILE	File		[project_directory]filename
SIGNAL_FILE	File		[project_directory]filename
PHASING_PLAN_FILE	File		[project_directory]filename
TIMING_PLAN_FILE	File		[project_directory]filename
DETECTOR_FILE	File		[project_directory]filename
TRANSIT_STOP_FILE	File		[project_directory]filename
TRANSIT_FARE_FILE	File		[project_directory]filename
TRANSIT_ROUTE_FILE	File		[project_directory]filename
TRANSIT_SCHEDULE_FILE	File		[project_directory]filename
TRANSIT_DRIVER_FILE	File		[project_directory]filename

System File Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
SELECTION_FILE	File		[project_directory]filename.*
HOUSEHOLD_FILE	File		[project_directory]filename.*
LINK_DELAY_FILE	File		[project_directory]filename
PERFORMANCE_FILE	File		[project_directory]filename
RIDERSHIP_FILE	File		[project_directory]filename
VEHICLE_TYPE_FILE	File		[project_directory]filename
VEHICLE_FILE	File		[project_directory]filename.*
TRIP_FILE	File		[project_directory]filename.*
PROBLEM_FILE	File		[project_directory]filename.*
PLAN_FILE	File		[project_directory]filename.*
SKIM_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
NEW_POCKET_FILE	File		[project_directory]filename
NEW_LANE_USE_FILE	File		[project_directory]filename
NEW_CONNECTION_FILE	File		[project_directory]filename
NEW_TURN_PENALTY_FILE	File		[project_directory]filename
NEW_PARKING_FILE	File		[project_directory]filename
NEW_LOCATION_FILE	File		[project_directory]filename
NEW_ACCESS_FILE	File		[project_directory]filename
NEW_SIGN_FILE	File		[project_directory]filename
NEW_SIGNAL_FILE	File		[project_directory]filename
NEW_PHASING_PLAN_FILE	File		[project_directory]filename
NEW_TIMING_PLAN_FILE	File		[project_directory]filename
NEW_DETECTOR_FILE	File		[project_directory]filename

System File Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
NEW_TRANSIT_STOP_FILE	File		[project_directory]filename
NEW_TRANSIT_FARE_FILE	File		[project_directory]filename
NEW_TRANSIT_ROUTE_FILE	File		[project_directory]filename
NEW_TRANSIT_SCHEDULE_FILE	File		[project_directory]filename
NEW_TRANSIT_DRIVER_FILE	File		[project_directory]filename
NEW_ROUTE_NODES_FILE	File		[project_directory]filename
NEW_SELECTION_FILE	File		[project_directory]filename.*
NEW_HOUSEHOLD_FILE	File		[project_directory]filename.*
NEW_LINK_DELAY_FILE	File		[project_directory]filename
NEW_PERFORMANCE_FILE	File		[project_directory]filename
NEW_RIDERSHIP_FILE	File		[project_directory]filename
NEW_VEHICLE_TYPE_FILE	File		[project_directory]filename
NEW_VEHICLE_FILE	File		[project_directory]filename.*
NEW_TRIP_FILE	File		[project_directory]filename.*
NEW_PROBLEM_FILE	File		[project_directory]filename.*
NEW_PLAN_FILE	File		[project_directory]filename.*
NEW_SKIM_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
FLOW_UNITS	Text	VEHICLES	VEHICLES, CAR_EQUIV/PCE, PERSONS
SKIM_TOTAL_TIME_FLAG	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N

Data Service Keys

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

Data Service Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
SUMMARY_TIME_RANGES	Text	ALL	e.g., ALL, 0..97200 seconds, 0.0..27.0 hours, 0:00..27:00
SUMMARY_TIME_INCREMENT	Time	15 minutes	0, 2..240 minutes
CONGESTED_TIME_RATIO	Dec.	3.0	1.0..5.0
TRIP_SORT_TYPE	Text	DO_NOT_SORT	DO_NOT_SORT, TRAVELER_SORT, TIME_SORT

Control Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
FLATTEN_OUTPUT_FLAG	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
TOLL_FILE	File		[project_directory]Version_4_filename
ACTIVITY_FILE	File		[project_directory]Version_4_filename
PERSON_FILE	File		[project_directory]Version_4_filename
SNAPSHOT_FILE	File		[project_directory]filename
NEW_SNAPSHOT_FILE	File		[project_directory]filename
NEW_SNAPSHOT_COMPRESSION	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
VERSION4_PLAN_FILE	File		[project_directory]Version_4_filename.*
NODE_LIST_PATHS	Bool	TRUE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
TRAVELER_SCALING_FACTOR	Int.	100	1..100
VERSION4_ROUTE_HEADER	File		[project_directory]Version_4_filename
VERSION4_ROUTE_NODES	File		[project_directory]Version_4_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