TransitNet - Quick Reference

Version 5.0.6

Usage

TransitNet [-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. Create or update transit network file from route header and nodes files.
2. Add transit-related activity locations, process links, and parking lots to the network files.

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
TRANSITNET_REPORT_*	Text		program report name

System File Keys

REQ?	KEY	TYPE	DEFAULT	VALUE RANGES
☑	NODE_FILE	File		[project_directory]filename
☑	LINK_FILE	File		[project_directory]filename
☑	CONNECTION_FILE	File		[project_directory]filename
☑	ROUTE_NODES_FILE	File		[project_directory]filename
☑	VEHICLE_TYPE_FILE	File		[project_directory]filename
☑	NEW_TRANSIT_STOP_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
	ZONE_FILE	File		[project_directory]filename
	SHAPE_FILE	File		[project_directory]filename
	PARKING_FILE	File		[project_directory]filename
	LOCATION_FILE	File		[project_directory]filename
	ACCESS_FILE	File		[project_directory]filename
	TRANSIT_STOP_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
	NEW_PARKING_FILE	File		[project_directory]filename
	NEW_ACCESS_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
	ZONE_EQUIVALENCE_FILE	File		[project_directory]filename

Control Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
PARK_AND_RIDE_FILE	File		[project_directory]filename
STOP_SPACING_BY_AREA_TYPE_*	List	200 meters	37.5..3200 meters
STOP_FACILITY_TYPE_RANGE	Text	PRINCIPAL..FRONTAGE	FREEWAY..EXTERNAL
TRANSIT_TIME_PERIODS	Text	NONE	e.g., NONE, 6:00, 10:00, 16:00
TRANSIT_TRAVEL_TIME_FACTORS_*	List	1.0	0.5..3.0
MINIMUM_DWELL_TIME	Time	5 seconds	0..300 seconds
INTERSECTION_STOP_TYPE	Text	NEARSIDE	NEARSIDE, FARSIDE, MIDBLOCK
INTERSECTION_STOP_OFFSET	Dec.	10.0 meters	0..100 meters

Notes

Each '_FILE' key has a corresponding '_FORMAT' key. The following file formats can be used for input and ouput files.
TEXT, BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, SQLITE3, VERSION3