

Validate - Quick Reference

Version 5.0.5



Usage

Validate [-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. Compare link delay file to link and/or turning movement counts.
2. Compare link volume and/or movement files to link and turning movement counts.
3. Generate statistical reports for volume level, facility type, area types, link group (screenline), zone group (district), and turning movements.
4. Output link volume data by time increment and time period ranges.
5. Compare transit ridership by line group and/or stop groups to ridership counts.

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

Configuration Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
MAX_PROBLEM_COUNT	Int.	0	>= 0
NUMBER_OF_THREADS	Int.	1	1..24
VALIDATE_REPORT_*	Text		program report name

System File Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
<input checked="" type="checkbox"/> NODE_FILE	File		[project_directory]filename
<input checked="" type="checkbox"/> LINK_FILE	File		[project_directory]filename
ZONE_FILE	File		[project_directory]filename
POCKET_FILE	File		[project_directory]filename
CONNECTION_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
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
LINK_DELAY_FILE	File		[project_directory]filename
RIDERSHIP_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
LINK_EQUIVALENCE_FILE	File		[project_directory]filename
STOP_EQUIVALENCE_FILE	File		[project_directory]filename

File Service Keys

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

Data Service Keys

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

Control Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
INPUT_VOLUME_FILE	File		[project_directory]filename
TRAFFIC_COUNT_FILE	File		[project_directory]filename
TURN_VOLUME_FILE	File		[project_directory]filename
TURN_COUNT_FILE	File		[project_directory]filename
LINK_GROUP_COUNT_FILE	File		[project_directory]filename
STOP_GROUP_COUNT_FILE	File		[project_directory]filename
NEW_VOLUME_FILE	File		[project_directory]filename
NEW_VOLUME_COUNT_FILE	File		[project_directory]filename
ANALYSIS_METHOD	Text	VOLUME	VOLUME, VMT
ADJUSTMENT_FACTOR	Dec.	1.0	0.05..10.0
FACILITY_TYPE_LABELS	File		[project_directory]filename
AREA_TYPE_LABELS	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