LinkDelay Quick Reference

Version 4.0.8

Syntax:

LinkDelay [-flag] [control_file]

Purpose:
1. Merge, average, and/or convert Link Delay files, and
2. Smooth the link delays between time increments.

Required Keys

NET_LINK_TABLE	[net_directory]*filename*
LINK_DELAY_FILE	[project_directory]*filename*
NEW_LINK_DELAY_FILE	[project_directory]*filename*

Optional Keys

TITLE	Text
REPORT_FILE	*Filename*
REPORT_FLAG	FALSE {true/false/yes/no/1/0}
MAX_WARNING_MESSAGES	100,000
MAX_WARNING_EXIT_FLAG	TRUE {true/false/yes/no/1/0}
PROJECT_DIRECTORY	*Pathname*
DEFAULT_FILE_FORMAT	VERSION3 {(1)}
NET_DIRECTORY	*Pathname*
NET_LANE_CONNECTIVITY_TABLE	[net_directory]*filename*
TIME_OF_DAY_FORMAT	24_HOUR_CLOCK {(2)}
PREVIOUS_LINK_DELAY_FILE	[project_directory]*filename*
PREVIOUS_WEIGHTING_FACTOR	1.0 (>= 1.0)
PROCESSING_METHOD	{(3)}
TIME_PERIOD_SORT	FALSE {true/false/yes/no/1/0} (4)
SMOOTH_GROUP_SIZE	3 {3..9}
PERCENT_MOVED_FORWARD	20 percent {0..(100 – 50 / [smooth group size])
PERCENT_MOVED_BACKWARD	20 percent {0..(100 – 50 / [smooth group size])
NUMBER_OF_ITERATIONS	3 {1..25}
CIRCULAR_GROUP_FLAG	TRUE {true/false/yes/no/1/0}
NET_DEFAULT_FORMAT	[default_file_format] {(1)}
NET_LINK_FORMAT	[net_default_format] {(1)}
NET_LANE_CONNECTIVITY_FORMAT	[net_default_format] {(1)}
DEMAND_FILE_FORMAT	[default_file_format] {(1)}
LINK_DELAY_FORMAT	[demand_file_format] {(1)}

| NEW_LINK_DELAY_FORMAT | [demand_file_format] {(1)} |
| PREVIOUS_LINK_DELAY_FORMAT | [default_file_format] {(1)} |

Notes

1	{VERSION3, BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, LANL, SQLITE3}
2	{HOURS, SECONDS, 24_HOUR_CLOCK, 12_HOUR_CLOCK}
3	{REPLACE_LINKS, SIMPLE_AVERAGE, WEIGHTED_AVERAGE}
4	The default sort is link number and then time period. The Microsimulator generates a file sorted by time period and then link number. If this key is TRUE, the output link delay file is sorted by time period and link number.

AECOM