PlanCompare Quick Reference

Version 4.0.35

Revision History
1/8/2010   Edited by AECOM Consult, Inc.
4/15/2010   Edited by RSG, Inc.

Syntax:

PlanCompare [-flag] [control_file] [partition]

Purpose:
1. Compares two plan files and selects plans that have significantly different travel times.
2. Generate convergence statistics and distribution charts by time of day.
3. Includes walk and wait time in the transit travel time comparisons.
4. Includes options to only compare drive legs.
5. Compares plan files generated on different networks.
6. Compares plan files for specified time periods.

Required Keys

INPUT_PLAN_FILE	[project_directory]*filename*[.partition]
COMPARE_PLAN_FILE	[project_directory]*filename*[.partition]

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*
TRAVELER_SCALING_FACTOR	100 {2..100}
INPUT_PLAN_FORMAT	VERSION3 {VERSION3/BINARY}
COMPARE_PLAN_FORMAT	VERSION3 {VERSION3/BINARY}
OUTPUT_PLAN_FILE	[project_directory]*filename*[.partition]
OUTPUT_PLAN_FORMAT	VERSION3 {VERSION3/BINARY}
NODE_LIST_PATHS	TRUE {true/false/yes/no/1/0}
HOUSEHOLD_LIST	[project_directory] *filename*[.partition]
IGNORE_LOCATION_DIFFERENCES (4)	FALSE {true/false/yes/no/1/0}
INDEX_BY_COMPARE_LOCATION (11)	FALSE {true/false/yes/no/1/0}
ONLY_COMPARE_DRIVE_LEGS (5)	FALSE {true/false/yes/no/1/0}
COMPARE_GENERALIZED_COSTS (10)	FALSE {true/false/yes/no/1/0} (9)
PERCENT_TIME_DIFFERENCE (10)	10 percent {0.1..100.0}

MINIMUM_TIME_DIFFERENCE	1.0 minute {0..120}
MAXIMUM_TIME_DIFFERENCE	60 minutes {[minimum_time_difference]..1440)
PERCENT_PATH_DIFFERENCE (10)	0 percent {0.0..100.0}
MINIMUM_PATH_DIFFERENCE	0 legs {0..100}
MAXIMUM_PATH_DIFFERENCE	100000 legs {[minimum_path_difference]..100000)
SELECTION_PERCENTAGE	100 percent {0.1..100.0}
MAXIMUM_PERCENT_SELECTED	100 percent {0.1..100.0}
SELECT_BY_PERCENT_DIFFERENCE	FALSE {true/false/yes/no/1/0}
SELECT_BY_RELATIVE_GAP	FALSE {true/false/yes/no/1/0} (7)
SELECT_TIME_PERIODS (6)	All {(2)}
SELECT_TRAVELERS	All (8)
RANDOM_NUMBER_SEED	Computer clock time {>=0}
TIME_OF_DAY_FORMAT	24_HOUR_CLOCK {(1)}
SUMMARY_TIME_PERIODS	All {(2)}
SUMMARY_TIME_INCREMENT	0 minutes (3) {0..240}
NEW_DISTRIBUTION_FILE	[project_directory] *filename*
NEW_DIFFERENCE_FILE	[project_directory] *filename*
NEW_TRIP_TIME_FILE	[project_directory] *filename*
NEW_START_DIFFERENCE_FILE (11)	[project_directory]*filename*
NEW_END_DIFFERENCE_FILE (11)	[project_directory]*filename*

Reports

PLANCOMPARE_REPORT_#	PERCENT_PATH_CHANGE
	PERCENT_TRAVEL_TIME_CHANGE
	DUMP_PATH_CHANGES_GREATER_THAN_*
	DUMP_TRAVEL_TIME_CHANGES_GREATER_THAN_*
	TOTAL_DIFFERENCE_DISTRIBUTION
	TIME_DIFFERENCE_DISTRIBUTIONS
	TIME_PERIOD_SUMMARY
	PERCENT_GENERALIZED_COST_CHANGE
	DUMP_COST_CHANGES_GREATER_THAN_*
	GENERALIZED_COST_DISTRIBUTION
	COST_DIFFERENCE_DISTRIBUTIONS
	COST_PERIOD_SUMMARY

Notes

1	{HOURS, SECONDS, 24_HOUR_CLOCK, 12_HOUR_CLOCK}
2	Time Range (e.g., 0:00..6:00, 18:00..23:00)
3	Zero is used to process each time period as one increment
4	If true, the origin and destination activity locations do not need to be the same in the two plan files to

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	compare the travel times and path differences. This key facilitates compares of travel plans loaded to different networks.
5	If true, only the plan legs between parking lots (drive legs) are compared. This ignores differences in the plan travel times related to walk legs that may be included in one plan file but deleted from the other plan file.
6	The consideration of differences and plan selection is limited to trips that are contained within or span the specified time range.
7	Is active only when the Select By Percent Difference key is inactive. Selects plans based on the percent difference in their input and compare travel costs.
8	ID Range (e.g., 1000, 2000, 3000..3100)
9	If set to true, the difference comparisons are based on generalized data rather than travel time data.
10	The selections are made on a trip-level instead of the traveler-level. Traveler's trips that did not change are no longer selected for output if one of the traveler's trips did change. The effect is only seen in travelers that make multiple trips.
11	Index By Compare Location key controls which location (compare vs. input) is used for indexing the difference files when the Ignore Location Differences key is set to true.