ProblemSelect Quick Reference

Version 4.0.4

Revision History
1/8/2010 Edited by AECOM Consult, Inc.
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Syntax:

ProblemSelect [-flag] [control_file] [partition]

Purpose:

1. Create a set of household ID files that can be used as input to the Router; and
2. Select problems based on time of day, problem link, and/or problem type.

Required Keys

PROBLEM_FILE	[project_directory]*filename*
NEW_HOUSEHOLD_LIST	[project_directory]*filename*[.partition] (1)

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 {(4)}
HOUSEHOLD_LIST	[project_directory]*filename*[.partition] (1)
NET_DIRECTORY	*Pathname*
NET_LINK_TABLE	[net_directory]*filename*
NET_NODE_TABLE	[net_directory]*filename*
NET_ACTIVITY_LOCATION_TABLE	[net_directory]*filename*
SELECT_LINKS	All (2)
SELECT_TIME_PERIODS	All (3)
SELECT_PROBLEM_TYPES	All (5)
SELECT_SUBAREA_POLYGON	[project_directory]*filename.shp*
SELECTION_PERCENTAGE	100 percent {0.1..100.0}
MAXIMUM_PERCENT_SELECTED	100 percent {1.0..100.0}
RANDOM_NUMBER_SEED	Computer clock time {>=0}
TIME_OF_DAY_FORMAT	SECONDS {(6)}
DEMAND_FILE_FORMAT	[default_file_format] {(4)}

PROBLEM_FORMAT	[demand_file_format] {(4)}
NET_DEFAULT_FORMAT	[default_file_format] {(4)}
NET_LINK_FORMAT	[net_default_format] {(4)}
NET_NODE_FORMAT	[net_default_format] {(4)}
NET_ACTIVITY_LOCATION_FORMAT	[net_default_format] {(4)}

Notes

1	If a partition number is not provided on the command line and the file name ends with ".t*" or ".*", the program will process all partitions in the file group.
2	ID Range (e.g., 1000, 2000, 3000..3100)
3	Time Range (e.g., 0:00..6:00, 18:00..23:00)
4	{VERSION3, BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, LANL, SQLITE3}
5	TOTAL, PATH_BUILDING, TIME_SCHEDULE, ZERO_NODE, VEHICLE_TYPE, PATH_CIRCUITY, TRAVEL_MODE, VEHICLE_ACCESS, WALK_DISTANCE, WAIT_TIME, WALK_ACCESS, PATH_SIZE, PARK-&-RIDE_LOT, BIKE_DISTANCE, DEPARTURE_TIME, ARRIVAL_TIME, LINK_ACCESS, LANE_CONNECTIVITY, PARKING_ACCESS, LANE_MERGING, LANE_CHANGING, TURNING_SPEED, POCKET_MERGE, VEHICLE_SPACING, TRAFFIC_CONTROL, ACCESS_RESTRICTION , TRANSIT_STOP, ACTIVITY_LOCATION, VEHICLE_PASSENGER, ACTIVITY_DURATION, KISS_&_RIDE_LOT, VEHICLE_ID, DATA_SORT, WALK_LOCATION, BIKE_LOCATION, TRANSIT_LOCATION, PERSON_MATCH
6	{HOURS, SECONDS, 24_HOUR_CLOCK, 12_HOUR_CLOCK}