ProblemSelect - Quick Reference

Version 5.0.0

Usage

ProblemSelect [-flag] [control_file] [partition]

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

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

System File Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
☑ NODE_FILE	File		[project_directory]filename
☑ LINK_FILE	File		[project_directory]filename
☑ LOCATION_FILE	File		[project_directory]filename
☑ PROBLEM_FILE	File		[project_directory]filename.*
☑ NEW_SELECTION_FILE	File		[project_directory]filename.*
SELECTION_FILE	File		[project_directory]filename.*

Select Service Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
SELECT_HOUSEHOLDS	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_MODES	List	ALL	e.g., ALL or 1, 12..14 or WALK, HOV2..HOV4
SELECT_PURPOSES	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_START_TIMES	List	ALL	e.g., ALL, 0..97200 seconds, 0.0..27.0 hours, 0:00..27:00
SELECT_END_TIMES	List	ALL	e.g., ALL, 0..97200 seconds, 0.0..27.0 hours, 0:00..27:00
SELECT_ORIGINS	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_DESTINATIONS	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_TRAVELER_TYPES	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_FACILITY_TYPES	List	ALL	FREEWAY..EXTERNAL
SELECT_PROBLEM_TYPES	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_ORIGIN_ZONES	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_DESTINATION_ZONES	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECTION_PERCENTAGE	Dec.	100.0 percent	0.01..100.0 percent
MAXIMUM_PERCENT_SELECTED	Dec.	100.0 percent	0.1..100.0 percent

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