TRANSIMS Version 5 Parameter Reference

AB_SPEED_FIELD_NAME

LinkData Control Keys   (blank)

AB_VOLUME_FIELD_NAME

LinkData Control Keys   (blank)

ACCESS_FORMAT

See File Formats

ACTIVITY_DURATION_1

ConvertTrips Control Keys   (blank)

ADD_PASSENGER_CIRCLE_SIZE

ArcSnapshot Control Keys   Boolean

ADD_PASSENGER_SQUARE_SIZE

ArcSnapshot Control Keys   Boolean

ADD_UTURN_TO_DEAD_END_LINKS

TransimsNet Control Keys   Boolean

ADDITIONAL_TRAVEL_TIME

ConvertTrips Control Keys   (blank)

ARCPLAN_REPORT_1

ArcPlan Control Keys   (blank)

AREA_TYPE_INDEX_FIELD

NetPrep Control Keys   (blank)

AVERAGE_TRAVEL_SPEED_1

ConvertTrips Control Keys   (blank)

BA_SPEED_FIELD_NAME

LinkData Control Keys   (blank)

BA_VOLUME_FIELD_NAME

LinkData Control Keys   (blank)

BANDWIDTH_SCALING_FACTOR

Draw Service Keys   (blank)

BICYCLE_SPEED

Path Building Service Keys   (blank)

BICYCLE_TIME_VALUES_1

Path Building Service Keys   (blank)

BUS_BIAS_CONSTANTS_1

Path Building Service Keys   (blank)

BUS_BIAS_FACTORS_1

Path Building Service Keys   (blank)

CELL_SIZE

ArcSnapshot Control Keys   (blank)
Flow-Time Service Keys   (blank)

CENTER_ONEWAY_LINKS

Draw Service Keys   Boolean

CIRCULAR_GROUP_FLAG

Simulation Service Keys   Boolean

CLEAR_INPUT_FLOW_RATES
Flow-Time Service Keys   Boolean

COLLAPSE_DIVIDED_ARTERIALS
NetPrep Control Keys   Boolean

COLLAPSE_SHAPE_NODES
NetPrep Control Keys   Boolean

COMPARE_GENERALIZED_COSTS
PlanCompare Control Keys   Boolean

COMPARE_PERFORMANCE_FORMAT
See File Formats

LinkSum Control Keys   FILE_FORMAT

COMPARE_PLAN_FORMAT
See File Formats

PlanCompare Control Keys   FILE_FORMAT

CONGESTED_TIME_RATIO
Data Service Keys   (blank)

CONNECTION_FORMAT
See File Formats

System File Keys   FILE_FORMAT

CONTOUR_DISTANCE_INCREMENTS
ArcPlan Control Keys   (blank)

CONTOUR_TIME_INCREMENTS
ArcPlan Control Keys   (blank)

CONVERTTRIPS_REPORT_1

ConvertTrips Control Keys   (blank)

COORDINATE_RESOLUTION

NetPrep Control Keys   (blank)

COPY_EXISTING_FIELDS

LocationData Control Keys   Boolean

COPY_LOCATION_FIELDS

LinkSum Control Keys   (blank)

COST_VALUES_1

Path Building Service Keys   (blank)

COUNT_PROBLEM_WARNINGS

Flow-Time Service Keys   Boolean

CURVED_CONNECTION_FLAG

Draw Service Keys   Boolean

DAILY_WRAP_FLAG

Data Service Keys   Boolean

DATA_FORMAT_1

See File Formats

FileFormat Control Keys	FILE_FORMAT
LocationData Control Keys	FILE_FORMAT

DATA_JOIN_FIELD_1

LocationData Control Keys   (blank)

DEBUG_LINK_LIST

Microsimulator Control Keys   (blank)

DEBUG_TIME_RANGE

Microsimulator Control Keys   (blank)

DEBUG_VEHICLE_LIST

Microsimulator Control Keys   (blank)

DEFAULT_FILE_FORMAT

Default Control   FILE_FORMAT

DEFAULT_LINK_SETBACK

TransimsNet Control Keys   (blank)

DEFAULT_LOCATION_SETBACK

TransimsNet Control Keys   (blank)

DEFAULT_PARKING_DURATION

Path Building Service Keys   (blank)

DELETE_LINK_RANGE

NetPrep Control Keys   (blank)
TransimsNet Control Keys   (blank)

DELETE_NODE_RANGE

NetPrep Control Keys   (blank)
TransimsNet Control Keys   (blank)

DESTINATION_LOCATIONS_PER_ZONE

PathSkim Control Keys   (blank)

DESTINATION_WEIGHT_FIELD_1

ConvertTrips Control Keys   (blank)

DETECTOR_FORMAT

System File Keys   FILE_FORMAT

DIRECTIONAL_DATA_FORMAT

LinkData Control Keys   (blank)

DISTANCE_VALUES_1

Path Building Service Keys   (blank)

DISTANCE_WEIGHT_FLAG_1

ConvertTrips Control Keys   Boolean

DRAW_AB_DIRECTION

Draw Service Keys   Boolean

DRAW_NETWORK_LANES

Draw Service Keys   Boolean

DRAW_ONEWAY_ARROWS

Draw Service Keys   Boolean

DRAW_VEHICLE_SHAPES

Draw Service Keys   Boolean

DRIVER_REACTION_TIME_1

Flow-Time Service Keys   (blank)

DROP_DEAD_END_LINKS

NetPrep Control Keys   (blank)

DROP_SHORT_LINKS

NetPrep Control Keys   (blank)

END_TIME_CONSTRAINT

Path Building Service Keys   (blank)

ENFORCE_PARKING_LANES

Flow-Time Service Keys   Boolean

EQUATION_PARAMETERS_1

Flow-Time Service Keys   (blank)

EXTENDED_GREEN_FACTOR_1

IntControl Control Keys   (blank)

EXTERNAL_STATION_OFFSET

TransimsNet Control Keys   (blank)

EXTERNAL_ZONE_RANGE

TransimsNet Control Keys   (blank)

FACILITY_ACCESS_WARRANT_1

TransimsNet Control Keys   (blank)

FACILITY_BIAS_FACTORS_1

Path Building Service Keys   (blank)

FACILITY_INDEX_FIELD

NetPrep Control Keys   (blank)

FARE_CLASS_DISTRIBUTION

Path Building Service Keys   (blank)

FILE_FORMATS

The file format keys include DEFAULT_FILE_FORMAT, NODE_FORMAT, ZONE_FORMAT, SHAPE_FORMAT, LINK_FORMAT, POCKET_FORMAT, LANE_USE_FORMAT, LOCATION_FORMAT, PARKING_FORMAT, ACCESS_FORMAT, CONNECTION_FORMAT, TURN_PENALTY_FORMAT, SIGN_FORMAT, SIGNAL_FORMAT, TIMING_PLAN_FORMAT, PHASING_PLAN_FORMAT, DETECTOR_FORMAT, TRANSIT_STOP_FORMAT, TRANSIT_ROUTE_FORMAT, TRANSIT_SCHEDULE_FORMAT, TRANSIT_DRIVER_FORMAT, ROUTE_NODES_FORMAT, VEHICLE_TYPE_FORMAT, HOUSEHOLD_FORMAT, SELECTION_FORMAT, TRIP_FORMAT,

LINK_DELAY_FORMAT, VEHICLE_FORMAT, PLAN_FORMAT, NEW_PLAN_FORMAT, NEW_PROBLEM_FORMAT, NEW_LINK_DELAY_FORMAT.

These keys are optional.   The default value is TAB_DELIMITED, and other values include TEXT, BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, SQLITE3, VERSION3.

In the previous version of TRANSIMS (v4), the default value was VERSION3. It is now TAB_DELIMITED.

TRANSIMS applies file formats in the following order, using the first file format that is found:

1. If a .def file is provided, the format given in the first line of that file is used. Note that in cases where the file has nested fields (for example, the SHAPE file), a .def file must be provided. Otherwise it is optional.

2. If a specific file format was given in the control file (e.g. NODE_FORMAT   CSV_DELIMITED), then the file format given in the control file is used.

3. If the DEFAULT_FILE_FORMAT is given in the control file, it is used.

4. If the DEFAULT_FILE_FORMAT is specified in the TRANSIMS config.txt file, it is used.

5. Otherwise, the default value of TAB_DELIMITED is assumed.

FIRST_HOUSEHOLD_NUMBER
ConvertTrips Control Keys   (blank)

FIRST_LINK_NUMBER
NetPrep Control Keys   (blank)

FIRST_NODE_NUMBER
NetPrep Control Keys   (blank)

FIRST_WAIT_VALUES_1
Path Building Service Keys   (blank)

FIX_VEHICLE_LOCATIONS
Flow-Time Service Keys   Boolean

FLATTEN_OUTPUT_FLAG
NewFormat Control Keys   Boolean

FLOW_UNITS
System File Keys   (blank)

FROM_NODE_FIELD_NAME
LinkData Control Keys   (blank)

GENERAL_GREEN_FACTOR_1
IntControl Control Keys   (blank)

HOUSEHOLD_FORMAT
System File Keys   FILE_FORMAT

IGNORE_ROUTING_PROBLEMS
Path Building Service Keys   Boolean

IGNORE_TIME_CONSTRAINTS
Path Building Service Keys   Boolean

IGNORE_VEHICLE_ID
Path Building Service Keys   Boolean

IMPEDANCE_SORT_METHOD
Path Building Service Keys   Boolean

INPUT_COORDINATE_ADJUSTMENT
Simulation Service Keys   (blank)

INPUT_COORDINATE_SYSTEM
Simulation Service Keys   (blank)

INPUT_LINK_FORMAT

NetPrep Control Keys   FILE_FORMAT

INPUT_NODE_FORMAT

NetPrep Control Keys   FILE_FORMAT

INPUT_SPDCAP_FORMAT

NetPrep Control Keys   (blank)

INPUT_UNITS_OF_MEASURE

NetPrep Control Keys   (blank)

INPUT_ZONE_FORMAT

NetPrep Control Keys   FILE_FORMAT

INTCONTROL_REPORT_1

IntControl Control Keys   (blank)

INTERNAL_ZONE_RANGE

NetPrep Control Keys   (blank)

KEEP_LINK_RANGE

NetPrep Control Keys   (blank)

KEEP_NODE_RANGE

NetPrep Control Keys   (blank)

KISS_RIDE_STOP_TYPES

Path Building Service Keys   (blank)

KISS_RIDE_TIME_FACTOR_1

Path Building Service Keys   (blank)

LANE_USE_FORMAT

System File Keys   FILE_FORMAT

LANE_WIDTH

Draw Service Keys   (blank)

LEFT_TURN_PENALTIES_1

Path Building Service Keys   (blank)

LIMIT_PARKING_ACCESS

Path Building Service Keys   Boolean

LINK_DELAY_FLOW_FACTOR

Flow-Time Service Keys   (blank)

LINK_DELAY_FORMAT

System File Keys   FILE_FORMAT

LINK_DELAY_UPDATE_RATE

Flow-Time Service Keys   (blank)

LINK_DIRECTION_OFFSET

Draw Service Keys   (blank)

LINK_FORMAT

System File Keys   FILE_FORMAT

LINK_USE_FLAG_TYPES_1

LocationData Control Keys   (blank)

LINKSUM_REPORT_1

LinkSum Control Keys   (blank)

LOCAL_ACCESS_DISTANCE

Path Building Service Keys   (blank)

LOCAL_FACILITY_TYPE

Path Building Service Keys   (blank)

LOCAL_IMPEDANCE_FACTOR

Path Building Service Keys   (blank)

LOCAL_SELECTION_SPACING_1

NetPrep Control Keys   (blank)

LOCAL_THRU_SEGMENT_LENGTHS_1

NetPrep Control Keys   (blank)

LOCATION_FORMAT

System File Keys   FILE_FORMAT

LOCATION_JOIN_FIELD_1

LocationData Control Keys   (blank)

LOCATION_SELECTION_METHOD

PathSkim Control Keys   (blank)

LOCATION_SIDE_OFFSET

Draw Service Keys   (blank)

LOCATIONDATA_REPORT_1

LocationData Control Keys   (blank)

LOOK_AHEAD_DISTANCE

Flow-Time Service Keys   (blank)

LOOK_AHEAD_LANE_FACTOR

Flow-Time Service Keys   (blank)

LOOK_AHEAD_TIME_FACTOR

Flow-Time Service Keys   (blank)

MACROSCOPIC_SUBAREAS

Flow-Time Service Keys   (blank)

MAX_ARRIVAL_TIME_VARIANCE

Flow-Time Service Keys   (blank)

MAX_BICYCLE_DISTANCES_1

Path Building Service Keys   (blank)

MAX_CIRCUITY_DISTANCE

Path Building Service Keys   (blank)

MAX_CIRCUITY_RATIO

Path Building Service Keys   (blank)

MAX_COMFORTABLE_SPEED_1

Flow-Time Service Keys   (blank)

MAX_DEPARTURE_TIME_VARIANCE

Flow-Time Service Keys   (blank)

MAX_KISS_RIDE_DROPOFF_WALK

Path Building Service Keys   (blank)

MAX_KISS_RIDE_PERCENTAGE_1

Path Building Service Keys   (blank)

MAX_LEGS_PER_PATH
Path Building Service Keys   (blank)

MAX_NUMBER_OF_PATHS_1
Path Building Service Keys   (blank)

MAX_NUMBER_OF_TRANSFERS_1
Path Building Service Keys   (blank)

MAX_PARK_RIDE_PERCENTAGE_1
Path Building Service Keys   (blank)

MAX_PROBLEM_COUNT
Default Control   (blank)

MAX_SUBZONE_DISTANCE_1
LocationData Control Keys   (blank)

MAX_TRAVEL_TIME_RATIO
LinkDelay Control Keys   (blank)

MAX_WAIT_TIMES_1
Path Building Service Keys   (blank)

MAX_WALK_DISTANCE
LocationData Control Keys   (blank)

MAX_WALK_DISTANCES_1
Path Building Service Keys   (blank)

MAX_WARNING_EXIT_FLAG
If the maximum number of warning messages is exceeded, this flag directs the program in what to do. If the flag is TRUE (the default), the program is terminated with an error message about the warning messages. If the flag is FALSE, the program continues execution, but no additional

warning messages are sent to the screen or written to the printout file. The warning message counter continues to count the messages and reports the total at the end of the execution. Possible values include TRUE/FALSE, YES/NO, 1/0, T/F, Y/N, and the default is TRUE. (Default Control key)

MAX_WARNING_MESSAGES

When the program generates a warning message, a counter is incremented and the total number of warning messages is reported and a warning return coded (2) is set at the end of the execution. By default the program prints up to 100,000 warning messages to the print-out file. If more than 100,000 warning messages are sent, the program stops printing additional messages to the file or terminates the program with an error message based on the MAX_WARNING_EXIT_FLAG. This parameter enables the user to modify the default warning limit. Valid values are non-negative integers. (Default Control key)

MAXIMUM_BANDWIDTH_SIZE
Draw Service Keys   (blank)

MAXIMUM_CONNECTION_ANGLE
TransimsNet Control Keys   (blank)

MAXIMUM_COST_DIFFERENCE
Select Service Keys   (blank)

MAXIMUM_GREEN_FACTOR_1
IntControl Control Keys   (blank)

MAXIMUM_LANE_CAPACITY_1
IntControl Control Keys   (blank)

MAXIMUM_LENGTH_TO_XY_RATIO
NetPrep Control Keys   (blank)

MAXIMUM_LOADING_TIME
Flow-Time Service Keys   (blank)

MAXIMUM_PERCENT_SELECTED

Select Service Keys   (blank)

MAXIMUM_RIDERSHIP_SIZE

ArcPlan Control Keys   (blank)

MAXIMUM_SHAPE_ANGLE

ArcPlan Control Keys   (blank)
NetPrep Control Keys   (blank)

MAXIMUM_SORT_SIZE

PlanPrep Control Keys   (blank)
TripPrep Control Keys   (blank)

MAXIMUM_SPEED_DIFFERENCE

Flow-Time Service Keys   (blank)

MAXIMUM_SWAPPING_SPEED

Flow-Time Service Keys   (blank)

MAXIMUM_TIME_DIFFERENCE

Select Service Keys   (blank)

MAXIMUM_WAITING_TIME

Flow-Time Service Keys   (blank)

MERGE_LINK_DELAY_FORMAT

LinkDelay Control Keys   FILE_FORMAT

MERGE_PLAN_FILES

PlanCompare Control Keys   Boolean

MERGE_PLAN_FORMAT

PlanPrep Control Keys   FILE_FORMAT

MERGE_TIME_PERIODS

System File Keys   Boolean

MERGE_TRIP_FORMAT

TripPrep Control Keys   FILE_FORMAT

MERGE_WEIGHTING_FACTOR

LinkDelay Control Keys   (blank)

MESOSCOPIC_SUBAREAS

Flow-Time Service Keys   (blank)

MICROSCOPIC_SUBAREAS

Flow-Time Service Keys   (blank)

MICROSIMULATOR_REPORT_1

Microsimulator Control Keys   (blank)

MIN_CIRCUITY_DISTANCE

Path Building Service Keys   (blank)

MIN_WAIT_TIMES_1

Path Building Service Keys   (blank)

MINIMUM_BANDWIDTH_SIZE

Draw Service Keys   (blank)

MINIMUM_BANDWIDTH_VALUE

Draw Service Keys   (blank)

MINIMUM_COST_DIFFERENCE

Select Service Keys   (blank)

MINIMUM_LANE_CAPACITY_1

IntControl Control Keys (blank)

MINIMUM_LINK_FLOW

LinkSum Control Keys (blank)

MINIMUM_PHASE_TIME_1

IntControl Control Keys (blank)

MINIMUM_RIDERSHIP_SIZE

ArcPlan Control Keys (blank)

MINIMUM_RIDERSHIP_VALUE

ArcPlan Control Keys (blank)

MINIMUM_SHAPE_LENGTH

ArcPlan Control Keys (blank)
NetPrep Control Keys (blank)

MINIMUM_TIME_DIFFERENCE

Select Service Keys (blank)

MINIMUM_ZONE_LOCATIONS

LocationData Control Keys (blank)

MODEL_END_TIME

Default Control (blank)

MODEL_END_TIME

The ending time-of-day for the model. If not specified, it is 24:00. Valid values are times greater than the MODEL_START_TIME. (Default Control key)

MODEL_START_TIME

The starting time-of-day for the model. If not specified, it is 0:00. Valid values are times greater than equal to 0 [seconds], 0.0 [hours], 0:00. (Default Control key)

NEAREST_NEIGHBOR_FACTOR

System File Keys   (blank)

NETPREP_REPORT_1

NetPrep Control Keys   (blank)

NEW_AB_SPEED_FIELD_NAME

LinkData Control Keys   (blank)

NEW_AB_VOLUME_FIELD_NAME

LinkData Control Keys   (blank)

NEW_ACCESS_FORMAT

System File Keys   FILE_FORMAT

NEW_BA_SPEED_FIELD_NAME

LinkData Control Keys   (blank)

NEW_BA_VOLUME_FIELD_NAME

LinkData Control Keys   (blank)

NEW_CONNECTION_FORMAT

System File Keys   FILE_FORMAT

NEW_DATA_FORMAT_1

FileFormat Control Keys   FILE_FORMAT

NEW_DETECTOR_FORMAT

System File Keys   FILE_FORMAT

NEW_DIRECTIONAL_DATA_FORMAT

LinkData Control Keys   FILE_FORMAT

NEW_EVENT_COORDINATES_1

Turn Volume Output Keys   (blank)

NEW_EVENT_FILTER_1

Turn Volume Output Keys   (blank)

NEW_EVENT_FORMAT_1

Turn Volume Output Keys   FILE_FORMAT

NEW_EVENT_LINK_RANGE_1

Turn Volume Output Keys   (blank)

NEW_EVENT_MODE_RANGE_1

Turn Volume Output Keys   (blank)

NEW_EVENT_SUBAREA_RANGE_1

Turn Volume Output Keys   (blank)

NEW_EVENT_TIME_FORMAT_1

Turn Volume Output Keys   (blank)

NEW_EVENT_TIME_RANGE_1

Turn Volume Output Keys   (blank)

NEW_EVENT_TYPE_RANGE_1

Turn Volume Output Keys   (blank)

NEW_GROUP_TRAVEL_FORMAT
LinkSum Control Keys   FILE_FORMAT

NEW_HOUSEHOLD_FORMAT
System File Keys   FILE_FORMAT

NEW_LANE_USE_FORMAT
System File Keys   FILE_FORMAT

NEW_LINK_ACTIVITY_FORMAT
LinkSum Control Keys   FILE_FORMAT

NEW_LINK_DATA_FIELD_1
LinkSum Control Keys   (blank)

NEW_LINK_DATA_FORMAT
LinkData Control Keys   FILE_FORMAT

NEW_LINK_DATA_FORMAT_1
LinkSum Control Keys   FILE_FORMAT

NEW_LINK_DELAY_COORDINATES_1
Link Delay Output Keys   (blank)

NEW_LINK_DELAY_FLOW_TYPE_1
Link Delay Output Keys   (blank)

NEW_LINK_DELAY_FORMAT
System File Keys   FILE_FORMAT

NEW_LINK_DELAY_FORMAT_1
Link Delay Output Keys   FILE_FORMAT

NEW_LINK_DELAY_INCREMENT_1
Link Delay Output Keys   (blank)

NEW_LINK_DELAY_LINK_RANGE_1
Link Delay Output Keys   (blank)

NEW_LINK_DELAY_SUBAREA_RANGE_1
Link Delay Output Keys   (blank)

NEW_LINK_DELAY_TIME_FORMAT_1
Link Delay Output Keys   (blank)

NEW_LINK_DELAY_TIME_RANGE_1
Link Delay Output Keys   (blank)

NEW_LINK_DELAY_TURN_FLAG_1
Link Delay Output Keys   Boolean

NEW_LINK_DELAY_VEH_TYPES_1
Link Delay Output Keys   (blank)

NEW_LINK_DIRECTION_FIELD_1
LinkSum Control Keys   (blank)

NEW_LINK_DIRECTION_FORMAT_1
LinkSum Control Keys   FILE_FORMAT

NEW_LINK_DIRECTION_INDEX_1
LinkSum Control Keys   (blank)

NEW_LINK_FORMAT
System File Keys   FILE_FORMAT

NEW_LINK_SUMMARY_FORMAT
ArcSnapshot Control Keys   FILE_FORMAT

NEW_LOCATION_FIELD_1
LocationData Control Keys   (blank)

NEW_LOCATION_FORMAT
System File Keys   FILE_FORMAT

NEW_NODE_FORMAT
System File Keys   FILE_FORMAT

NEW_OCCUPANCY_COORDINATES_1
Turn Volume Output Keys   (blank)

NEW_OCCUPANCY_FORMAT_1
Turn Volume Output Keys   FILE_FORMAT

NEW_OCCUPANCY_INCREMENT_1
Turn Volume Output Keys   (blank)

NEW_OCCUPANCY_LINK_RANGE_1
Turn Volume Output Keys   (blank)

NEW_OCCUPANCY_MAX_FLAG_1
Turn Volume Output Keys   Boolean

NEW_OCCUPANCY_SUBAREA_RANGE_1
Turn Volume Output Keys   (blank)

NEW_OCCUPANCY_TIME_FORMAT_1
Turn Volume Output Keys   (blank)

NEW_OCCUPANCY_TIME_RANGE_1
Turn Volume Output Keys   (blank)

NEW_PARKING_FORMAT
System File Keys   FILE_FORMAT

NEW_PERFORMANCE_COORDINATES_1
Performance Output Keys   (blank)

NEW_PERFORMANCE_DATA_FORMAT
LinkSum Control Keys   FILE_FORMAT

NEW_PERFORMANCE_FLOW_TYPE_1
Performance Output Keys   (blank)

NEW_PERFORMANCE_FORMAT
System File Keys   FILE_FORMAT

NEW_PERFORMANCE_FORMAT_1
Performance Output Keys   FILE_FORMAT

NEW_PERFORMANCE_INCREMENT_1
Performance Output Keys   (blank)

NEW_PERFORMANCE_LINK_RANGE_1
Performance Output Keys   (blank)

NEW_PERFORMANCE_SUBAREA_RANGE_1
Performance Output Keys   (blank)

NEW_PERFORMANCE_TIME_FORMAT_1
Performance Output Keys   (blank)

NEW_PERFORMANCE_TIME_RANGE_1
Performance Output Keys   (blank)

NEW_PERFORMANCE_TURN_FLAG_1
Performance Output Keys   Boolean

NEW_PERFORMANCE_VEH_TYPES_1
Performance Output Keys   (blank)

NEW_PHASING_PLAN_FORMAT
System File Keys   FILE_FORMAT

NEW_PLAN_FORMAT
System File Keys   FILE_FORMAT

NEW_POCKET_FORMAT
System File Keys   FILE_FORMAT

NEW_PROBLEM_FORMAT
System File Keys   FILE_FORMAT

NEW_RIDERSHIP_ALL_STOPS_1
Ridership Output Keys   Boolean

NEW_RIDERSHIP_FORMAT
System File Keys   FILE_FORMAT

NEW_RIDERSHIP_FORMAT_1
Ridership Output Keys   FILE_FORMAT

NEW_RIDERSHIP_ROUTE_RANGE_1
Ridership Output Keys   (blank)

NEW_RIDERSHIP_TIME_FORMAT_1

Ridership Output Keys   (blank)

NEW_RIDERSHIP_TIME_RANGE_1

Ridership Output Keys   (blank)

NEW_ROUTE_NODES_FORMAT

System File Keys   FILE_FORMAT

NEW_SELECTION_FORMAT

System File Keys   FILE_FORMAT

NEW_SHAPE_FORMAT

System File Keys   FILE_FORMAT

NEW_SIGN_FORMAT

System File Keys   FILE_FORMAT

NEW_SIGNAL_FORMAT

System File Keys   FILE_FORMAT

NEW_SKIM_FORMAT

System File Keys   FILE_FORMAT

NEW_SNAPSHOT_CELL_FLAG_1

Simulation Service Keys   Boolean

NEW_SNAPSHOT_COMPRESSION

NewFormat Control Keys   Boolean

NEW_SNAPSHOT_COMPRESSION_1

Simulation Service Keys   Boolean

NEW_SNAPSHOT_COORDINATES_1

Simulation Service Keys	(blank)

NEW_SNAPSHOT_FORMAT

ArcSnapshot Control Keys	FILE_FORMAT
NewFormat Control Keys	FILE_FORMAT

NEW_SNAPSHOT_FORMAT_1

Simulation Service Keys	FILE_FORMAT

NEW_SNAPSHOT_INCREMENT_1

Simulation Service Keys	(blank)

NEW_SNAPSHOT_LINK_RANGE_1

Simulation Service Keys	(blank)

NEW_SNAPSHOT_LOCATION_FLAG_1

Simulation Service Keys	Boolean

NEW_SNAPSHOT_MAX_SIZE_1

Simulation Service Keys	(blank)

NEW_SNAPSHOT_STATUS_FLAG_1

Simulation Service Keys	Boolean

NEW_SNAPSHOT_SUBAREA_RANGE_1

Simulation Service Keys	(blank)

NEW_SNAPSHOT_TIME_FORMAT_1

Simulation Service Keys	(blank)

NEW_SNAPSHOT_TIME_RANGE_1

Simulation Service Keys	(blank)

NEW_SUBZONE_FIELD_1

LocationData Control Keys   (blank)

NEW_TIMING_PLAN_FORMAT

System File Keys   FILE_FORMAT

NEW_TRANSIT_DRIVER_FORMAT

System File Keys   FILE_FORMAT

NEW_TRANSIT_FARE_FORMAT

System File Keys   FILE_FORMAT

NEW_TRANSIT_ROUTE_FORMAT

System File Keys   FILE_FORMAT

NEW_TRANSIT_SCHEDULE_FORMAT

System File Keys   FILE_FORMAT

NEW_TRANSIT_STOP_FORMAT

System File Keys   FILE_FORMAT

NEW_TRIP_FORMAT

System File Keys   FILE_FORMAT

NEW_TURN_PENALTY_FORMAT

System File Keys   FILE_FORMAT

NEW_TURN_VOLUME_FILTER_1

Turn Volume Output Keys   (blank)

NEW_TURN_VOLUME_FORMAT

LinkSum Control Keys   FILE_FORMAT

NEW_TURN_VOLUME_FORMAT_1
Turn Volume Output Keys   FILE_FORMAT

NEW_TURN_VOLUME_INCREMENT_1
Turn Volume Output Keys   (blank)

NEW_TURN_VOLUME_NODE_RANGE_1
Turn Volume Output Keys   (blank)

NEW_TURN_VOLUME_SUBAREA_RANGE_1
Turn Volume Output Keys   (blank)

NEW_TURN_VOLUME_TIME_FORMAT_1
Turn Volume Output Keys   (blank)

NEW_TURN_VOLUME_TIME_RANGE_1
Turn Volume Output Keys   (blank)

NEW_USE_FLAG_FIELD_1
LocationData Control Keys   (blank)

NEW_VEHICLE_FORMAT
System File Keys   FILE_FORMAT

NEW_VEHICLE_TYPE_FORMAT
System File Keys   FILE_FORMAT

NEW_WALK_ACCESS_FIELD
LocationData Control Keys   (blank)

NEW_ZONE_FORMAT
System File Keys   FILE_FORMAT

NEW_ZONE_TRAVEL_FORMAT

LinkSum Control Keys   FILE_FORMAT

NODE_FORMAT

System File Keys   FILE_FORMAT

NODE_LIST_PATHS

NewFormat Control Keys   Boolean

NOTES_AND_NAME_FIELDS

System File Keys   Boolean

NUMBER_OF_ITERATIONS

Simulation Service Keys   (blank)

NUMBER_OF_PARTITIONS

RandomSelect Control Keys   (blank)

NUMBER_OF_RINGS_1

IntControl Control Keys   (blank)

NUMBER_OF_THREADS

In a multi-threaded environment, this is the number of threads that are run. Valid values are integers between 1 and 12, and the default value is 1.   (Default Control key)

OCCUPANCY_FORMAT

ArcSnapshot Control Keys   FILE_FORMAT

ONEWAY_ARROW_LENGTH

Draw Service Keys   (blank)

ONEWAY_ARROW_SIDE_OFFSET
Draw Service Keys   (blank)

ORIGIN_LOCATIONS_PER_ZONE
PathSkim Control Keys   (blank)

ORIGIN_WEIGHT_FIELD_1
ConvertTrips Control Keys   (blank)

OUTPUT_COORDINATE_ADJUSTMENT
Simulation Service Keys   (blank)

OUTPUT_COORDINATE_SYSTEM
Simulation Service Keys   (blank)

OUTPUT_XYM_SHAPES
Simulation Service Keys   Boolean

OUTPUT_XYZ_SHAPES
Simulation Service Keys   Boolean

PAD_FILE_TIME_LABEL
ArcSnapshot Control Keys   Boolean

PARKING_DETAILS_WARRANT_1
TransimsNet Control Keys   (blank)

PARKING_FORMAT
System File Keys   FILE_FORMAT

PARKING_SIDE_OFFSET
Draw Service Keys   (blank)

PARKING_TIME_VALUES_1
Path Building Service Keys   (blank)

PATHSKIM_REPORT_1
PathSkim Control Keys   (blank)

PERCENT_COST_DIFFERENCE
Select Service Keys   (blank)

PERCENT_MOVED_BACKWARD
Simulation Service Keys   (blank)

PERCENT_MOVED_FORWARD
Simulation Service Keys   (blank)

PERCENT_RANDOM_IMPEDANCE
Path Building Service Keys   (blank)

PERCENT_TIME_DIFFERENCE
Select Service Keys   (blank)

PERFORMANCE_FORMAT
System File Keys   FILE_FORMAT

PERIOD_CONTROL_POINT
Data Service Keys   (blank)

PERMISSION_PROBABILITY_1
Flow-Time Service Keys   (blank)

PERMITTED_LEFT_FACTOR_1
IntControl Control Keys   (blank)

PHASING_PLAN_FORMAT

System File Keys FILE_FORMAT

PLAN_FOLLOWING_DISTANCE

Flow-Time Service Keys (blank)

PLAN_FORMAT

System File Keys FILE_FORMAT

PLAN_SORT_TYPE

Data Service Keys (blank)

PLANCOMPARE_REPORT_1

PlanCompare Control Keys (blank)

PLANSUM_REPORT_1

PlanSum Control Keys (blank)

POCKET_FORMAT

System File Keys FILE_FORMAT

POCKET_LANE_FACTOR_1

IntControl Control Keys (blank)

POCKET_LANE_WARRANT_1

TransimsNet Control Keys (blank)

POCKET_SIDE_OFFSET

Draw Service Keys (blank)

PRINT_MERGE_WARNINGS

IntControl Control Keys Boolean

PRINT_PROBLEM_MESSAGES

Flow-Time Service Keys   Boolean

PRINT_SIGN_WARNINGS

IntControl Control Keys   Boolean

PRINT_UPDATE_WARNINGS

Router Control Keys   Boolean

PRIORITY_LOADING_TIME

Flow-Time Service Keys   (blank)

PRIORITY_WAITING_TIME

Flow-Time Service Keys   (blank)

PROBLEM_FORMAT

System File Keys   FILE_FORMAT

PROCESSING_METHOD

LinkDelay Control Keys   (blank)

PROJECT_DIRECTORY

The project directory key is optional. If it is specified, it is added to all non-network file names required by the program. If it is not specified, then the PROJECT_DIRECTORY that was specified in the config.txt file used. (Default Control key)

RAIL_BIAS_CONSTANTS_1

Path Building Service Keys   (blank)

RAIL_BIAS_FACTORS_1

Path Building Service Keys   (blank)

RANDOM_NUMBER_SEED

The random number seed key is optional. This key specifies the random number seed to be used for the random impedance calculations. Any non-negative integer can be specified. If the value is zero or if no key is provided, the program uses the system clock to set the random number seed. (Default Control key)

RED_CLEAR_PHASE_TIME_1
IntControl Control Keys   (blank)
RELOAD_CAPACITY_PROBLEMS
Flow-Time Service Keys   Boolean
REPORT_FILE
Default Control   (blank)

REPORT_FLAG

The report flag key is optional. If it is specified as YES or TRUE, the report file or default printout file will be opened in "Append" mode rather than "Create" mode. This permits the user to consolidate the output of several programs into a signal report file. Possible values are TRUE/FALSE, YES/NO, 1/0, T/F, Y/N, and the default is FALSE. (Default Control key)

REROUTE_FROM_TIME_POINT
Router Control Keys   (blank)

RETURN_TRIP_FLAG_1
ConvertTrips Control Keys   Boolean

RIDERSHIP_FORMAT
System File Keys   FILE_FORMAT

RIDERSHIP_SCALING_FACTOR
ArcPlan Control Keys   (blank)

RIGHT_TURN_PENALTIES_1
Path Building Service Keys   (blank)

ROUTE_AT_SPECIFIED_TIMES

PathSkim Control Keys   (blank)

ROUTE_BY_TIME_INCREMENT

PathSkim Control Keys   (blank)

ROUTE_FROM_SPECIFIED_LOCATIONS

PathSkim Control Keys   (blank)

ROUTE_FROM_SPECIFIED_ZONES

PathSkim Control Keys   (blank)

ROUTE_NODES_FORMAT

System File Keys   FILE_FORMAT

ROUTE_TO_SPECIFIED_LOCATIONS

PathSkim Control Keys   (blank)

ROUTE_TO_SPECIFIED_ZONES

PathSkim Control Keys   (blank)

ROUTE_WITH_SPECIFIED_MODE

PathSkim Control Keys   (blank)

ROUTE_WITH_SPECIFIED_USE_TYPE

PathSkim Control Keys   (blank)

ROUTE_WITH_TIME_CONSTRAINT

PathSkim Control Keys   (blank)

ROUTER_REPORT_1

Router Control Keys   (blank)

SAVE_ONLY_SKIMS
Path Building Service Keys   Boolean

SELECT_BY_LINK_GROUP
LinkSum Control Keys   Boolean

SELECT_DESTINATION_ZONES
Select Service Keys   (blank)

SELECT_DESTINATIONS
Select Service Keys   (blank)

SELECT_END_TIMES
Select Service Keys   (blank)

SELECT_FACILITY_TYPES
Select Service Keys   (blank)

SELECT_HOUSEHOLDS
Select Service Keys   (blank)

SELECT_LINKS_1
Select Service Keys   (blank)

SELECT_MODES
Select Service Keys   (blank)

SELECT_NODES_1
Select Service Keys   (blank)

SELECT_ORIGIN_ZONES
Select Service Keys   (blank)

SELECT_ORIGINS

Select Service Keys   (blank)

SELECT_PARKING_LOTS

PlanSelect Control Keys   (blank)

SELECT_PROBLEM_TYPES

Select Service Keys   (blank)

SELECT_PURPOSES

Select Service Keys   (blank)

SELECT_START_TIMES

Select Service Keys   (blank)

SELECT_TIME

ArcNet Control Keys   (blank)

SELECT_TIME_RATIOS

PlanSelect Control Keys   (blank)

SELECT_TRAVELER_TYPES

Select Service Keys   (blank)

SELECT_VC_RATIOS

PlanSelect Control Keys   (blank)

SELECT_VEHICLE_TYPES

Select Service Keys   (blank)

SELECTION_FORMAT

System File Keys   FILE_FORMAT

SELECTION_METHOD

PlanCompare Control Keys   (blank)

SELECTION_PERCENTAGE

Select Service Keys   (blank)

SHAPE_FORMAT

System File Keys   FILE_FORMAT

SHARED_LANE_FACTOR_1

IntControl Control Keys   (blank)

SIGN_FORMAT

System File Keys   FILE_FORMAT

SIGN_SETBACK

Draw Service Keys   (blank)

SIGN_SIDE_OFFSET

Draw Service Keys   (blank)

SIGNAL_CYCLE_LENGTH_1

IntControl Control Keys   (blank)

SIGNAL_DETECTOR_LENGTH_1

IntControl Control Keys   (blank)

SIGNAL_FORMAT

System File Keys   FILE_FORMAT

SIGNAL_ID_AS_NODE_ID

TransimsNet Control Keys   Boolean

SIGNAL_SPLIT_METHOD_1
IntControl Control Keys   (blank)

SIGNAL_TIME_BREAKS_1
IntControl Control Keys   (blank)

SIGNAL_TYPE_CODE_1
IntControl Control Keys   (blank)

SIMULATION_END_TIME
Flow-Time Service Keys   (blank)

SIMULATION_START_TIME
Flow-Time Service Keys   (blank)

SKIM_FORMAT
System File Keys   FILE_FORMAT

SKIM_OD_UNITS
System File Keys   (blank)

SKIM_TIME_INCREMENT
System File Keys   (blank)

SKIM_TIME_PERIODS
System File Keys   (blank)

SKIM_TOTAL_TIME_FLAG
System File Keys   Boolean

SKIM_TRAVEL_TIME_FORMAT
System File Keys   (blank)

SKIM_TRIP_LENGTH_FORMAT

System File Keys   (blank)

SLOW_DOWN_PERCENTAGE_1

Flow-Time Service Keys   (blank)

SLOW_DOWN_PROBABILITY_1

Flow-Time Service Keys   (blank)

SMOOTH_GROUP_SIZE

Simulation Service Keys   (blank)

SNAPSHOT_FORMAT

ArcSnapshot Control Keys   FILE_FORMAT

SPEED_DATA_FIELD_NAME

LinkData Control Keys   (blank)

SPEED_FACTOR_BY_FACILITY

NetPrep Control Keys   (blank)

SPEED_ROUNDING_INCREMENT

NetPrep Control Keys   (blank)

SPLIT_LARGE_LOOPS

NetPrep Control Keys   (blank)

STATION_WAITING_PENALTIES_1

Path Building Service Keys   (blank)

STOP_WAITING_PENALTIES_1

Path Building Service Keys   (blank)

STREET_PARKING_WARRANT_1

TransimsNet Control Keys   (blank)

SUBZONE_DATA_FIELD_1

LocationData Control Keys   (blank)

SUBZONE_DATA_FORMAT_1

LocationData Control Keys   FILE_FORMAT

SUBZONE_ZONE_FIELD_1

LocationData Control Keys   (blank)

SUMMARY_TIME_INCREMENT

Data Service Keys   (blank)

SUMMARY_TIME_RANGES

Data Service Keys   (blank)

TIME_DISTRIBUTION_FIELD_1

ConvertTrips Control Keys   (blank)

TIME_DISTRIBUTION_FORMAT_1

ConvertTrips Control Keys   FILE_FORMAT

TIME_DISTRIBUTION_TYPE_1

ConvertTrips Control Keys   (blank)

TIME_OF_DAY_FORMAT

The time of day format key is optional. Possible values include SECONDS, MINUTES, HOURS, HOUR_CLOCK, DAY_TIME, TIME_CODE, and the default is DAY_TIME.

Examples of each format are as follows:
DAY_TIME: 1@09:39:24.3
SECONDS: 34764.3
MINUTES: 579.4

```
HOURS:        9.66
HOUR_CLOCK:   09:39
TIME_CODE:    ?
```

Internally, the DTIME data object is used, with a resolution of tenths of a second. In binary files, this is stored as a 2 or 4 byte integer, in text files, as a character string with approximately 12 characters. (Default Control key)

TIME_PERIOD_RANGE_1	**ConvertTrips Control Keys**	(blank)
TIME_PROCESSING_METHOD	**ArcSnapshot Control Keys**	(blank)
TIME_SCHEDULE_CONSTRAINT_1	**ConvertTrips Control Keys**	(blank)
TIME_STEPS_PER_SECOND	**Flow-Time Service Keys**	(blank)
TIMING_PLAN_FORMAT	**System File Keys**	FILE_FORMAT

TITLE

Any text string can be used on this line. This text is printed on the top of each output page. (Default Control key)

TO_NODE_FIELD_NAME

LinkData Control Keys   (blank)

TRAFFIC_CONTROL_WARRANT_1

TransimsNet Control Keys   (blank)

TRANSFER_PENALTIES_1

Path Building Service Keys   (blank)

TRANSFER_WAIT_VALUES_1

Path Building Service Keys   (blank)

TRANSIMSNET_REPORT_1

TransimsNet Control Keys   (blank)

TRANSIT_DIRECTION_OFFSET

Draw Service Keys   (blank)

TRANSIT_DRIVER_FORMAT

System File Keys   FILE_FORMAT

TRANSIT_FARE_FORMAT

System File Keys   FILE_FORMAT

TRANSIT_OVERLAP_FLAG

Draw Service Keys   Boolean

TRANSIT_ROUTE_FORMAT

System File Keys   FILE_FORMAT

TRANSIT_SCHEDULE_FORMAT

System File Keys   FILE_FORMAT

TRANSIT_STOP_FORMAT

System File Keys   FILE_FORMAT

TRANSIT_STOP_SIDE_OFFSET

Draw Service Keys   (blank)

TRANSIT_TIME_PERIODS

ArcNet Control Keys   (blank)

TRAVEL_MODE_CODE_1

ConvertTrips Control Keys   (blank)

TRAVELER_SCALING_FACTOR

NewFormat Control Keys   (blank)

TRAVELER_TYPE_CODE_1

ConvertTrips Control Keys   (blank)

TRAVELER_TYPE_FACTORS_1
Flow-Time Service Keys   (blank)

TRIP_FACTOR_FORMAT_1
ConvertTrips Control Keys   FILE_FORMAT

TRIP_FORMAT
System File Keys   FILE_FORMAT

TRIP_PRIORITY_CODE_1
ConvertTrips Control Keys   (blank)

TRIP_PURPOSE_CODE_1
ConvertTrips Control Keys   (blank)

TRIP_SCALING_FACTOR_1
ConvertTrips Control Keys   (blank)

TRIP_SORT_TYPE
Data Service Keys   (blank)

TRIP_TABLE_FORMAT_1
ConvertTrips Control Keys   FILE_FORMAT

TRIPPREP_REPORT_1
TripPrep Control Keys   (blank)

TURN_MOVEMENT_FACTOR_1
IntControl Control Keys   (blank)

TURN_NODE_RANGE
LinkSum Control Keys   (blank)

TURN_PENALTY_FORMAT
System File Keys   FILE_FORMAT

TURN_POCKET_FACTOR
Flow-Time Service Keys   (blank)

U_TURN_PENALTIES_1
Path Building Service Keys   (blank)

UNITS_OF_MEASURE
Specifies the units of measure used in output files and printouts. Values are ENGLISH or
METRIC, with a default of METRIC. With ENGLISH units, the distance measure is in feet, while
with METRIC units, it is in meters. (Default Control key)

UNSIMULATED_SUBAREAS
Flow-Time Service Keys   (blank)

UPDATE_FLOW_RATES
Flow-Time Service Keys   Boolean

UPDATE_LINK_RANGE
TransimsNet Control Keys   (blank)

UPDATE_NODE_RANGE
TransimsNet Control Keys   (blank)

UPDATE_PLAN_RECORDS
Router Control Keys   Boolean

UPDATE_TRAVEL_TIMES
Flow-Time Service Keys   Boolean

UPDATE_TRAVELER_TYPE
TripPrep Control Keys   Boolean

UPDATE_TRIP_PARTITIONS
TripPrep Control Keys   Boolean

UPDATE_TURNING_MOVEMENTS
Flow-Time Service Keys   Boolean

VEHICLE_FORMAT
System File Keys   FILE_FORMAT

VEHICLE_PASSENGERS_1
ConvertTrips Control Keys   (blank)

VEHICLE_TIME_VALUES_1
Path Building Service Keys   (blank)

VEHICLE_TYPE_CODE_1
ConvertTrips Control Keys   (blank)

VEHICLE_TYPE_FORMAT
System File Keys   FILE_FORMAT

VERSION4_PLAN_FORMAT
NewFormat Control Keys   (blank)

VERSION4_TIME_FORMAT
NewFormat Control Keys   (blank)

VOLUME_DATA_FIELD_NAME
LinkData Control Keys   (blank)

WALK_ACCESS_TIME_RANGE

LocationData Control Keys   (blank)

WALK_PATH_DETAILS

Path Building Service Keys   Boolean

WALK_SPEED

Path Building Service Keys   (blank)

WALK_TIME_VALUES_1

Path Building Service Keys   (blank)

YELLOW_PHASE_TIME_1

IntControl Control Keys   (blank)

ZONE_FIELD_NAME

LocationData Control Keys   (blank)
TransimsNet Control Keys   (blank)

ZONE_FORMAT

System File Keys   FILE_FORMAT

ZONE_UPDATE_RANGE

LocationData Control Keys   (blank)