

## TRANSIMS Version 4.0.5 Software (5/1/2009)

Program	Version	Documentation		Descriptions
		QR	Doc	
ActBalance	4.0.0			Calculates attraction balancing factors for zones or districts
ActGen	4.0.34	X	X	Activity generation and location choice models
ActivityPattern	4.0.1	X		Household activity pattern matching
AdjustPlans	4.0.9	X		Adjust plans based on screenline traffic counts
ArcAddZ	4.0.1			Convert an XY shapefile to an XYZ or XYM shapefile
ArcDelay	4.0.17	X		Create ArcView shapefiles from Link Delay files
ArcDiff	4.0.5	X		Combine two ArcDelay files and calculate the difference
ArcNet	4.0.21	X	X	Create ArcView shapefiles from network tables
ArcPlan	4.0.21	X	X	Create ArcView shapefiles from Plan files
ArcProblem	4.0.3	X		Create ArcView shapefiles from Problem files
ArcRider	4.0.5	X		Create ArcView shapefiles from Ridership files
ArcSnapshot	4.0.10	X		Create ArcView shapefiles from Snapshot or Occupancy files
ArcTraveler	4.0.0			Create ArcView shapefiles from Trip or Activity files
CheckSurvey	4.0.4			Check for errors and correct household travel surveys
ConvertTrips	4.0.18	X	X	Convert trip tables to Activity or Trip files
CoordMatch	4.0.0			Rubber sheet network coordinates
DiurnalMatrix	4.0.0			Manipulate a matrix of diurnal distribution curves
DynusTNet	4.0.2			Convert TRANSIMS network to Dyust/DynaSmart file format
DynusTPlan	4.0.2			Convert TRANSIMS plans to DynusT/DynaSmart vehicle paths
Emissions	4.0.3	X		Apply emission rates to speed bin output files
EnhanceNet	4.0.1			Add link orientations and turning movement codes for Version 4
EventSum	4.0.5	X		Summarize and report data from Event files
ExportTransit	4.0.4			Export transit routes and schedules to Header and Nodes files
FileFormat	4.0.2			Copy files between two TRANSIMS file formats
GISNet	4.0.8	X		Convert GIS network data to generic network format
HHLList	4.0.0			Randomly distribute households to CPU partitions
IntControl	4.0.18	X		Synthetically generate TRANSIMS signal and sign tables
LineSum	4.0.8	X		Summarize and report data from transit Ridership files
LinkDelay	4.0.8	X		Merge and average Link Delay files
LinkSum	4.0.26	X		Summarize and report data from Link Delay files
ListID	4.0.2			Create ID list files from TRANSIMS tables
LocationChoice	4.0.4	X		Location Choice component of activity generation
LocationData	4.0.9	X		Calculate and add data fields to activity location files
Microsimulator	4.0.59	X	X	Simulate highway and transit plan files
ModeChoice	4.0.3	X		Tour and trip mode choice models
NewFormat	4.0.6	X		Convert several Version 3 files to Version 4 format
PlanCompare	4.0.28	X		Compare two Plan files and select plans with time differences
PlanPrep	4.0.10	X		Merge, sort, and combine Plan files
PlanSelect	4.0.25	X		Select Plans for re-routing based on a variety of criteria
PlanSum	4.0.47	X		Summarize and report data from Plan files
PlanTrips	4.0.10	X		Convert travel plans to Trip records
PopSyn	4.0.7	X	X	Synthesize households and household characteristics
ProblemSelect	4.0.4	X		Select problems for re-routing based on a variety of criteria
ProblemSum	4.0.4			Summarize and report data from Problem files
Progression	4.0.5	X		Calculate signal progression offsets for fixed time signal systems
PUMSPrep	4.0.1	X		Extracts data from the 2000 Census PUMS data files
Relocate	4.0.11	X		Update activity locations for trip, activity, vehicle and plan file
Reschedule	4.0.6			Update transit schedules based on network travel times
Router	4.0.56	X	X	Multi-modal travel plan builder with V/C speed calculations
RunSetup	4.0.5	X		Run control generator for batch processing modules
SF3Dictionary	4.0.0			Creates a table to file map for the 2000 Census SF3 data files

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SF3Prep	4.0.1	X		Extracts data from the 2000 Census SF3 data files
SideFriction	4.0.0			Generate lane-use restriction records to simulate side friction
SmoothData	4.0.5			Apply moving average smoothing to diurnal distribution curves
SmoothPlans	4.0.4			Apply moving average smoothing to travel plans by time of day
SubareaNet	4.0.10	X		Extract a subarea network from a regional network
SubareaPlans	4.0.31	X		Extract a subarea plan file from a regional plan file
TPPlusNet	4.0.2			Convert TP Plus network data to generic network format
TPPlusRoute	4.0.4			Convert TP Plus transit data to generic route format
TransimsNet	4.0.21	X	X	Synthesize a TRANSIMS network from generic network files
TransitNet	4.0.17	X		Synthesize a TRANSIMS transit network from generic routes
TripSum	4.0.15	X		Summarize and report data from Trip or Activity files
Validate	4.0.15	X		Statistically compare highway and transit data to observed counts
VehGen	4.0.1	X		Generate and locate vehicles from household data
VISSIMNet	4.0.7			Converts TRANSIMS network to VISSIM XML file format
VISSIMPlan	4.0.2			Converts TRANSIMS plans to VISSIM XML file format
ZoneData	4.0.1	X		Calculate and add data fields to zone data files
Network Tables			X	Description of TRANSIMS network data tables
Output Tables			X	Description of Microsimulator output data keys and files
User Programs			X	Description of user program syntax and functions