

SubareaPlans Quick Reference

Version 4.0.33

Revision History

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

Syntax:

SubareaPlans [-flag] [control_file] [partition]

Purpose:

1. Convert a regional plan file to a subarea plan file by creating trip origins and destinations on links that cross a subarea boundary polygon in ArcView format.
2. Add boundary activity locations, process links, and parking lots to the regional network files.
3. Create subarea transit routes and schedules from regional network files using a subarea boundary polygon in ArcView format.

Required Keys

SUBAREA_BOUNDARY_POLYGON	[project_directory] <i>filename.shp</i> (1)
NET_NODE_TABLE	[net_directory] <i>filename</i>
NET_LINK_TABLE	[net_directory] <i>filename</i>
NET_PARKING_TABLE	[net_directory] <i>filename</i>
NET_ACTIVITY_LOCATION_TABLE	[net_directory] <i>filename</i>
NET_PROCESS_LINK_TABLE	[net_directory] <i>filename</i>
PLAN_FILE	[project_directory] <i>filename</i> [.partition]
VEHICLE_FILE	[project_directory] <i>filename</i>
NEW_PLAN_FILE	[project_directory] <i>filename</i> [.partition]
NEW_VEHICLE_FILE	[project_directory] <i>filename</i>

Optional Keys

TITLE	Text
REPORT_FILE	<i>Filename</i>
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	<i>Pathname</i>
DEFAULT_FILE_FORMAT	VERSION3 {(2)}
LINK_DELAY_FILE	[project_directory] <i>filename</i>
PLAN_FORMAT	VERSION3 {VERSION3/BINARY}
NODE_LIST_PATHS	TRUE {true/false/yes/no/1/0}

NEW_PLAN_FORMAT	VERSION3 {VERSION3/BINARY}
NEW_BOUNDARY_SPEED	[project_directory] <i>filename</i>
NEW_HOUSEHOLD_LIST	[project_directory] <i>filename</i> [.partition]
RETIME_EARLY_ARRIVALS	FALSE{true/false/yes/no/1/0}
ZONE_EQUIVALANCE_FILE	[project_directory] <i>filename</i>
TIME_PERIOD_EQUIVALENCE	[project_directory] <i>filename</i>
TIME_OF_DAY_FORMAT	24_HOUR_CLOCK {(5)}
SELECT_TIME_PERIODS	All (6)
NET_DIRECTORY	<i>Pathname</i>
NET_LANE_CONNECTIVITY_TABLE	[net_directory] <i>filename</i>
NET_TRANSIT_STOP_TABLE	[net_directory] <i>filename</i>
NET_TRANSIT_ROUTE_TABLE	[net_directory] <i>filename</i>
NET_TRANSIT_SCHEDULE_TABLE	[net_directory] <i>filename</i>
NET_TRANSIT_DRIVER_TABLE	[net_directory] <i>filename</i>
EXTERNAL_OFFSET_LENGTH	15 meters {1..50}
NEW_DIRECTORY	<i>Pathname</i>
NEW_PARKING_TABLE (3)	[new_directory] <i>filename</i>
NEW_ACTIVITY_LOCATION_TABLE (3)	[new_directory] <i>filename</i>
NEW_PROCESS_LINK_TABLE (3)	[new_directory] <i>filename</i>
NEW_TRANSIT_STOP_TABLE (4)	[new_directory] <i>filename</i>
NEW_TRANSIT_ROUTE_TABLE (4)	[new_directory] <i>filename</i>
NEW_TRANSIT_SCHEDULE_TABLE (4)	[new_directory] <i>filename</i>
NEW_TRANSIT_DRIVER_TABLE (4)	[new_directory] <i>filename</i>
NET_DEFAULT_FORMAT	[default_file_format] {(2)}
NET_NODE_FORMAT	[net_default_format] {(2)}
NET_LINK_FORMAT	[net_default_format] {(2)}
NET_LANE_CONNECTIVITY_FORMAT	[net_default_format] {(2)}
NET_PARKING_FORMAT	[net_default_format] {(2)}
NET_ACTIVITY_LOCATION_FORMAT	[net_default_format] {(2)}
NET_PROCESS_LINK_FORMAT	[net_default_format] {(2)}
NET_TRANSIT_STOP_FORMAT	[net_default_format] {(2)}
NET_TRANSIT_ROUTE_FORMAT	[net_default_format] {(2)}
NET_TRANSIT_SCHEDULE_FORMAT	[net_default_format] {(2)}
NET_TRANSIT_DRIVER_FORMAT	[net_default_format] {(2)}
NEW_DEFAULT_FORMAT	[default_file_format] {(2)}
NEW_PARKING_FORMAT	[new_default_format] {(2)}
NEW_ACTIVITY_LOCATION_FORMAT	[new_default_format] {(2)}
NEW_PROCESS_LINK_FORMAT	[new_default_format] {(2)}
NEW_TRANSIT_STOP_FORMAT	[new_default_format] {(2)}
NEW_TRANSIT_ROUTE_FORMAT	[new_default_format] {(2)}

NEW_TRANSIT_SCHEDULE_FORMAT	[new_default_format] {(2)}
NEW_TRANSIT_DRIVER_FORMAT	[new_default_format] {(2)}

Reports

SUBAREAPlans_REPORT_#	TRIP_SUMMARY_REPORT
	PRINT_ZONE_EQUIVALENCIES
	TIME_PERIOD_EQUIVALENCE

Notes

1	An ArcView shapefile with a single polygon record defining the boundary of the subarea
2	{VERSION3, BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, LANL}
3	If the subarea plan file is to be simulated, a network file with the subarea boundary external stations is required. This can be achieved by creating new activity location, process link, and parking lot files in this program or by applying the SubareaNet program. SubareaNet creates the same external station records, but also removes all of the remaining records outside of the subarea. This program only adds the external stations to the regional network.
4	If the subarea transit plans are to be simulated, the subarea transit network must be created. This can be achieved by creating new transit file in this program or by applying the SubareaNet program. SubareaNet creates the same subarea transit network as this program. The regional transit network can not be updated to accommodate subarea transit plans in the same way as the highway network.
5	{HOURS, SECONDS, 24_HOUR_CLOCK, 12_HOUR_CLOCK}
6	Time Range (e.g., 0:00..6:00, 18:00..23:00)