

Technical Advisory – New Modes – Ride-hailing: Taxis and Transportation Network Companies (TNC)

This update describes the addition of two new default modes: Taxis and TNC.

New features were added in TREDIS to handle the additional inputs and results that are associated with these new modes.

1. On the Modes screen, additional inputs are available for Taxis and TNC vehicles over and above those available for automobiles:
 - a. Out of Vehicle Transfer Cost Per Hour factors (in the Time / Value Factors screen) like other transit modes.
 - b. Company Share (Cost and Environmental Factors screen) – Fraction of fare revenue that goes to the Taxi Companies and TNC.
2. In specifying travel characteristics, the transit inputs are also made available for the Taxi and TNC modes:
 - a. The required inputs for ride-hailing modes include Transit Passenger Trips, Transit Passenger Miles, and Transit Passenger Hours, and may use Out of Vehicle Passenger Time inputs. This allows users to account for driver travel without any passengers or multiple passenger parties sharing a ride-hail mode vehicle.
 - b. Average Vehicle Occupancy is not available to these new modes since the passenger related inputs are now included.
 - c. A new field, Charge per Passenger Mile has been added to the Taxes, Fees, and Tolls section, which is currently unique to ride-hail modes. This is the only fee which is associated with company and driver revenue. All other fees/tolls are paid directly by the passenger to the public-sector collecting agency. Gas taxes are paid by the driver.
3. A new report is now available unique to Taxis and TNC modes: Transportation Services Accounting Summary which identifies by industry:
 - a. Revenue Changes from fares
 - b. Cost Savings based on cost factors input on the modes page and changes in vehicle travel characteristics
 - c. Use of Revenues and Savings by ride-hailing companies other than payments addressed under the Cost Savings entries