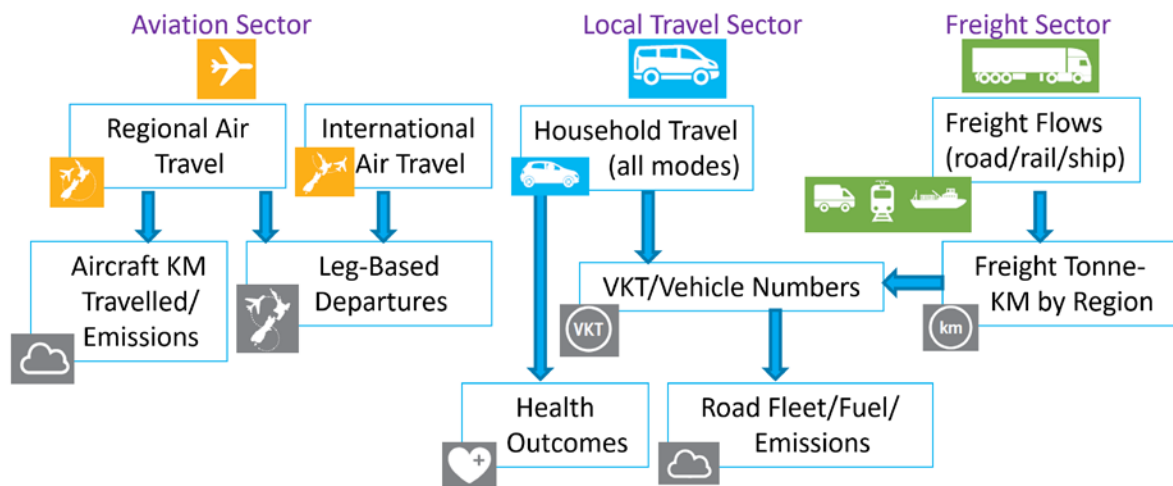


INSTRUCTIONS FOR INSTALLING THE TRANSPORT OUTLOOK FUTURE STATE MODELS ON YOUR COMPUTER

Zip files to install the complete *Transport Outlook: Future State* modelling package are available on the Ministry of Transport website at <http://www.transport.govt.nz/research/new-zealand-transport-outlook/transport-outlook-future-state-model-results/>. Since there are many links between the files, it is important that they be installed with the directory structure for which they were designed. By following the instructions here, the zip files will create and install each of the model files in the configuration for which it was designed.



The user is free to download and install one or all of the available zip files. However, since all the zip files contain files that are linked to the Base Case files, the zip file for the Base Case should always be installed even if you do not wish to work with the Base Case model files directly.

The available zip files are:

@home.zip - This zip file installs files for the “@Home in Town and Country” scenario for the Household Travel Model, Freight Model, Road Tonne-KM Model and the VKT/Vehicle Numbers Model.

air transport.zip – This zip file installs the files for the aviation sector models.

base.zip – This zip file installs files for the Base Case for the Household Travel Model, Freight Model, Road Tonne-KM Model and the VKT/Vehicle Numbers Model.

close.zip - This zip file installs files for the “Close to the Action” scenario for the Household Travel Model, Freight Model, Road Tonne-KM Model and the VKT/Vehicle Numbers Model.

golden.zip - This zip file installs files for the “Golden Triangle” scenario for the Household Travel Model, Freight Model, Road Tonne-KM Model and the VKT/Vehicle Numbers Model.

graphics.zip – This zip file installs the file with each of the graphs from the Transport Outlook: Future State report, with links to the models from which the data was extracted.

health outcomes.zip – The zip file installs the Health Outcomes from Active Transport Model.

metro.zip - This zip file installs files for the “Metro Connected” scenario for the Household Travel Model, Freight Model, Road Tonne-KM Model and the VKT/Vehicle Numbers Model.

VFEM.zip – This zip file installs the results file for the Vehicle Fleet Emission Model (VFEM), which projects the road fleet, fuel and emissions.

To install the files, please follow the steps below:

- 1) Create a folder in your *root directory* called “Transport Outlook 2017 Models”. This should work in the c: drive or any other private or shared drive. Putting the folder in somewhere other than the root directory (such as your desktop) or naming it something other than “Transport Outlook 2017 Models” is not recommended, as you will need to relink each file to the new location.
- 2) Copy the zip files you wish to install into this new folder. Be sure to include the zip file for the Base Case.
- 3) Unzip each file by clicking on it. This should create a new subdirectory for each zip file installed.

That should complete your installation. However, to minimise the chance of error, we recommend two further checks.

- 1) We recommend you open each Excel file installed and check that the links work. In Excel 2016, this is accomplished by clicking Data->Edit Links to Files, which should display a list of linked files. (If “Edit Links to Files” is greyed-out, there are no linked files for the file.) Highlight each linked file and click “Update Values”. If the “Status” changes to “OK” or “File is Open”, then everything is fine. If not (which should only happen if you have not named the folder “Transport Outlook 2017 Models” or if this folder is not in the root directory), click “Change Source”, browsed to the file, and click on it. Again, click on “Update Values”, which should change the “Status” to “OK” or “File is Open”. When you are finished with the list of linked files, click “Close” and save your changes.
- 2) Compare each of the model files which can be individually downloaded from <http://www.transport.govt.nz/research/new-zealand-transport-outlook/transport-outlook-future-state-model-results/> to the corresponding file in your installation. They should be identical.

Documentation on each of the individual models is available from <http://www.transport.govt.nz/research/new-zealand-transport-outlook/transport-outlook-future-state-model-results/>.

The Ministry of Transport has not extensively tested this installation package, but will be happy to help with any problems encountered. If you need assistance, feel free to contact us at transportoutlook@transport.govt.nz.

If you are using the complete model package, please drop us an e-mail, we will put you on a mailing list to let you know of any available upgrades.