



# Transport Connected Bus Program

## Quick Reference Guide (QRG)

### Generate a Trip Playback Report in Traffic Studio v0.1

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## Overview

Bus Operators and TfNSW Contact Managers can use Traffic Studio to generate reports to seek data on various scenarios to answer queries and investigate events.

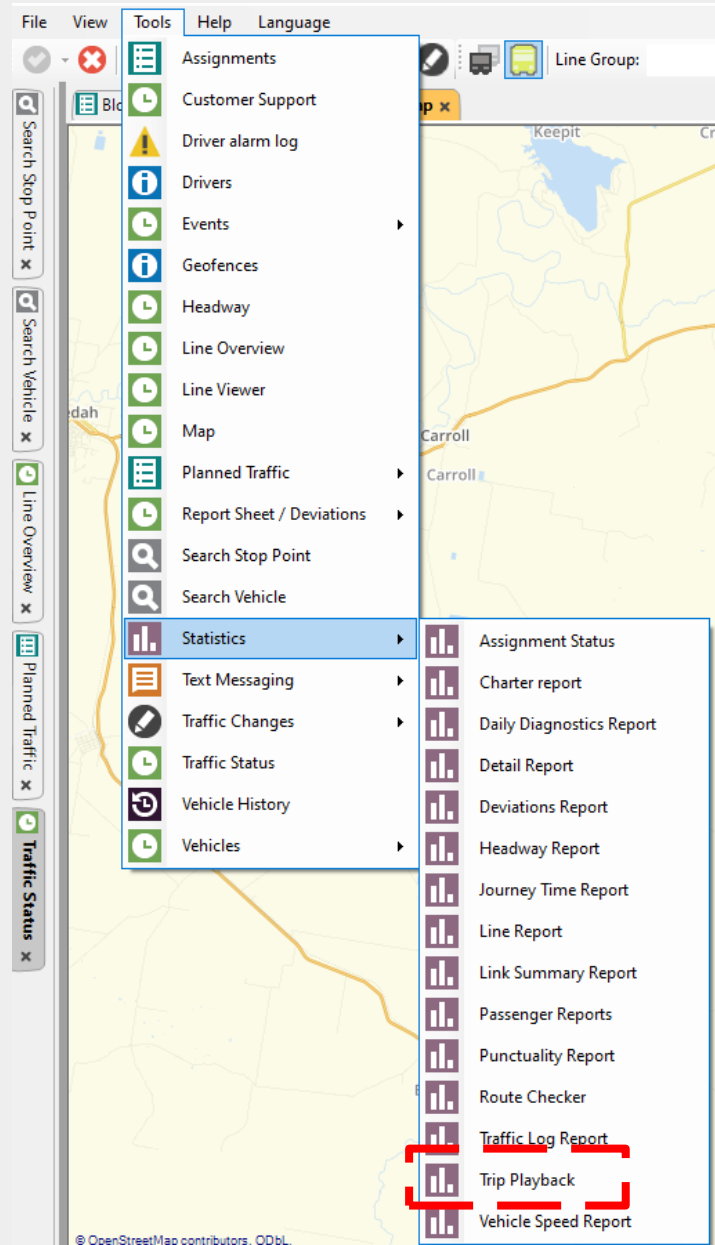
Bus Operators and Contract Managers require detailed information of planned vs actual route data, which is found via a Trip Playback Report.

There are many reasons to examine historical route data confirm operators' activities on-route – for example in reviewing service delivery; requests for service variations or when feedback is received from passengers.

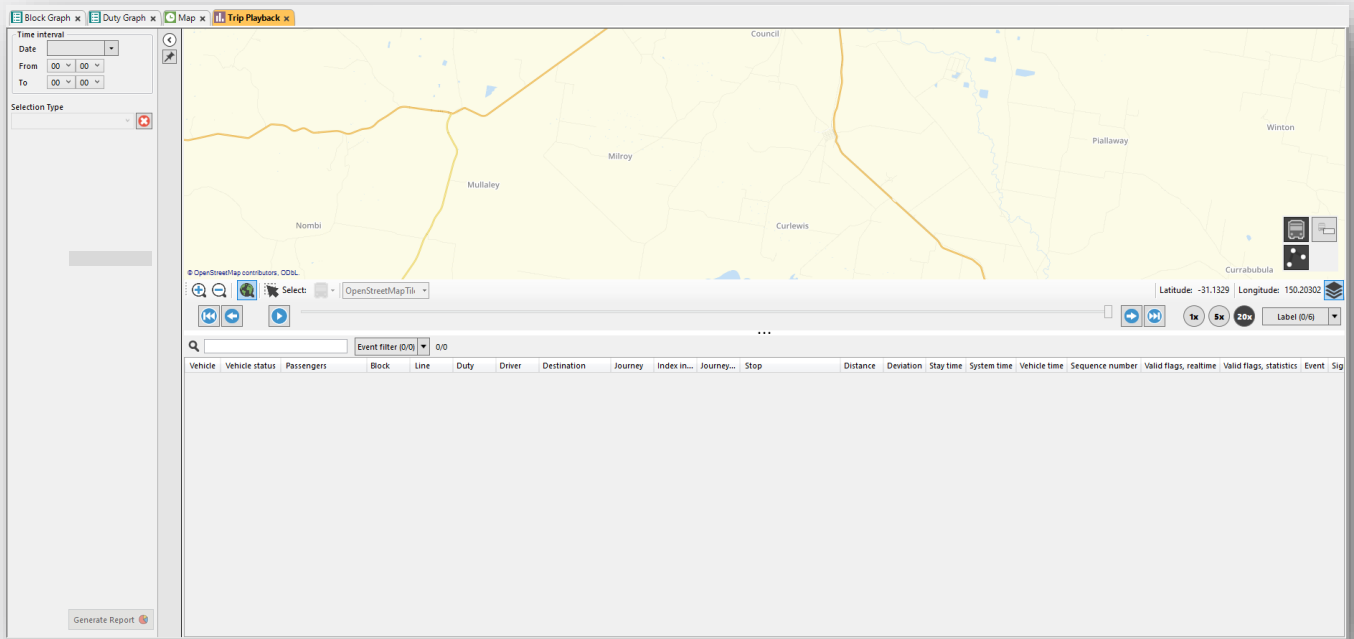
## How to Generate a Report

The Trip Playback report gives a detailed view of a vehicle's journey. The report details each activity on the journey.

### Step 1 - Select Tools – Statistics – Trip Playback Report



The **Trip Playback Report** screen appears.



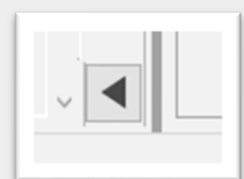
**Note:** The Trip Playback Report screen is divided into two sections. **The left window is where you define your parameters** for the report you require, and **on the right is where the report will appear.**

### Minimise / Maximise Tool Windows to get more screen space

Before you begin working with the Trip Playback Report a (or any Traffic Studio report), you can minimise the **Left Tool Window** and the **Bottom Tool Window** to give yourself more space to work and more screen space to see the full report, when you have generated it.

Click the **black arrow** in the Left Tool Window to minimise the window, click the **black arrow** in the Bottom Tool Window to minimise it.

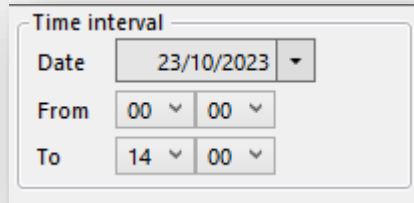
This can be adapted as a standard procedure for using any of the reports in Traffic Studio.



**Note:** Those black arrows will remain visible on your screen.

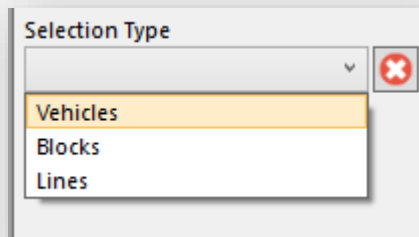
To maximise/restore the Left Tool Window and the Bottom Tool Window, click on those arrows again to restore your view of those tools.

**Step 2** – Select the **Time interval** for your report.



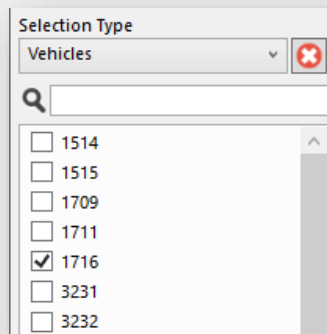
A dialog box titled "Time interval" with three rows of input fields. The first row is "Date" with a text box containing "23/10/2023" and a dropdown arrow. The second row is "From" with two dropdown boxes, each containing "00". The third row is "To" with two dropdown boxes, each containing "14" and "00" respectively.

**Step 3** – Select either **Vehicles**, **Blocks**, or **Lines**.



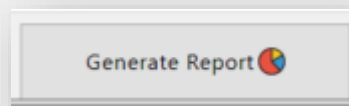
A dialog box titled "Selection Type" with a dropdown menu showing "Vehicles", "Blocks", and "Lines". The "Vehicles" option is highlighted in yellow. There is a red "X" icon in the top right corner.

**Step 4** – Select the vehicle, block or line.



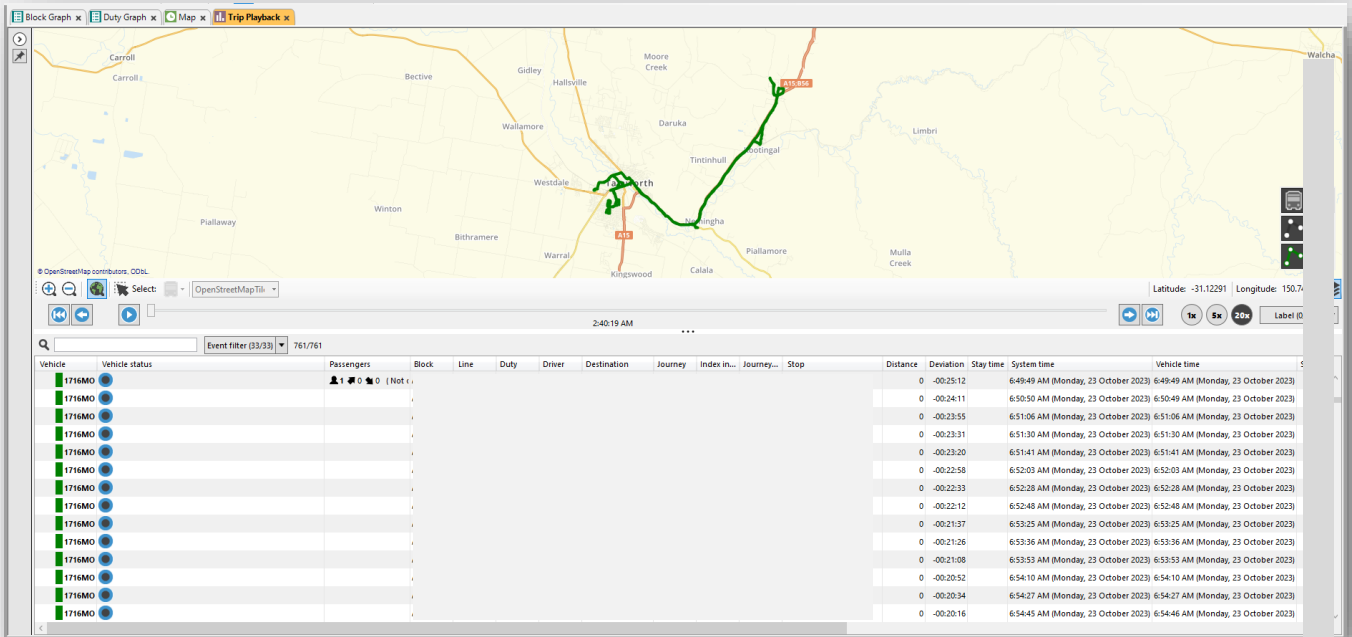
A dialog box titled "Selection Type" with a dropdown menu showing "Vehicles". Below the dropdown is a search bar with a magnifying glass icon. Below the search bar is a list of checkboxes with the following numbers: 1514, 1515, 1709, 1711, 1716 (checked), 3231, and 3232. There is a red "X" icon in the top right corner.

**Step 5** - Click **Generate Report** to generate the report.

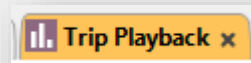


A button with the text "Generate Report" and a small globe icon to the right.

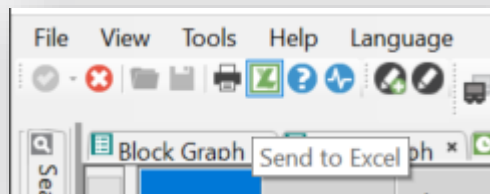
**Step 6** - The report now appears.



When you have finished with the report, you can close it by clicking on the **X** in the **Trip Playback Report** orange highlighted tab.

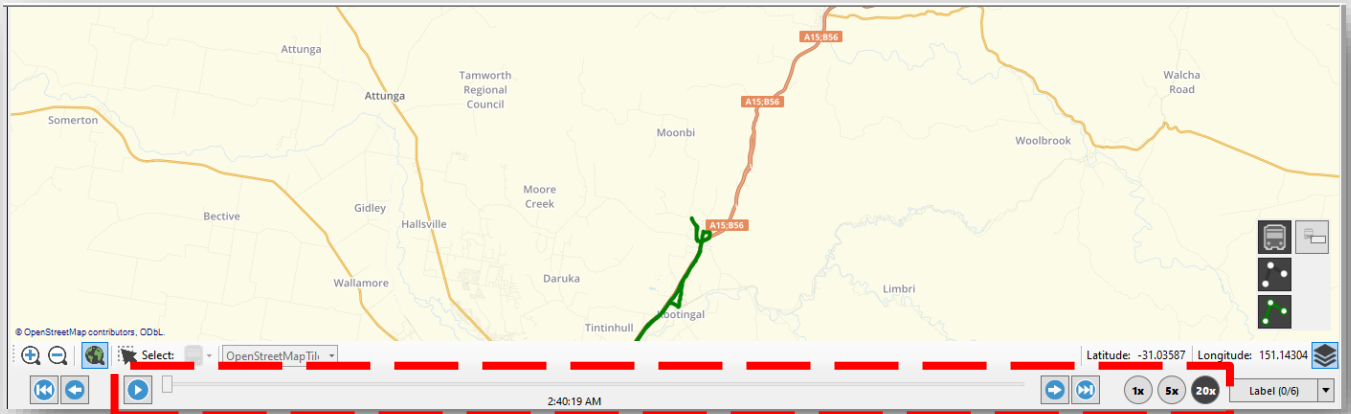


**Step 7** - If you wish to keep and perform statistical analysis of the data, click the **Send to Excel** button in the function bar.

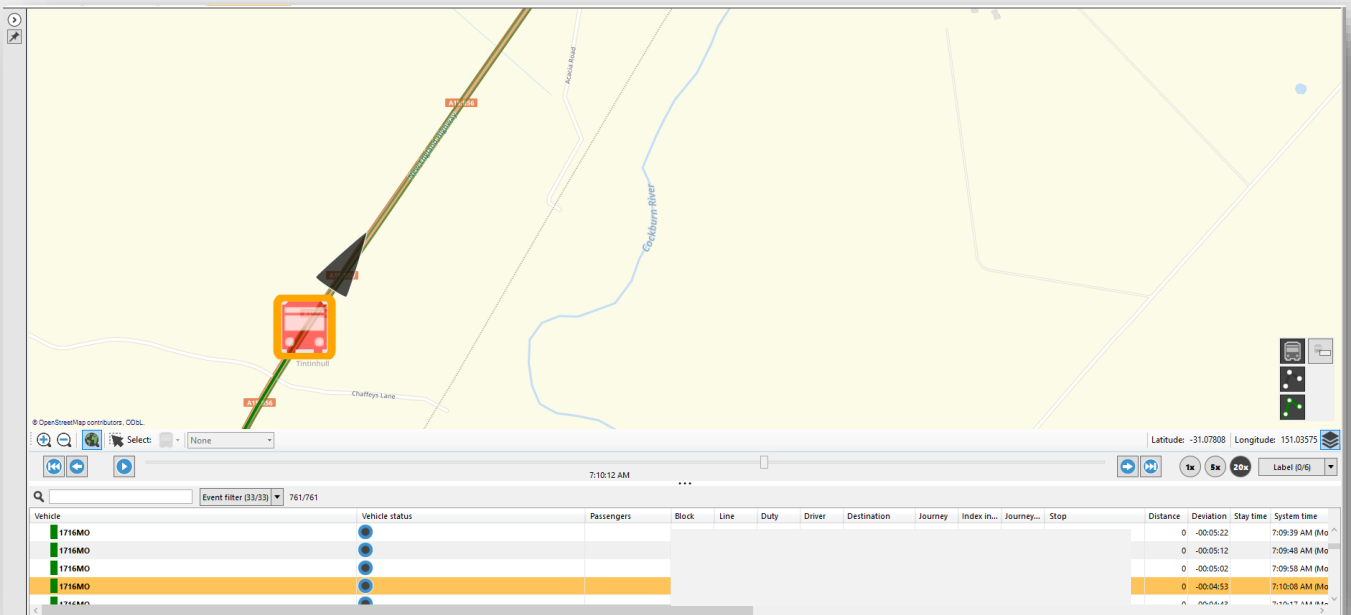


**Step 8** - Choose **where** to save your file.

**Step 9** - Open the **Excel file**. The spreadsheet can be manipulated using the standard statistical and data sorting tools found in Excel.



**Step 10** – To view the trip either use the ‘play’ button to replay the trip or click on the line item in the window below. Speed through the playback faster or slower using the toggle.



The vehicle colours:

- Red = early
- Green = on time
- Blue = late

## Glossary of Trip Playback Report terms

Vehicle	Vehicle status	Passengers	Block	Line	Duty	Driver	Destination	Journey	Index in journey	Journey status	Stop	Distance	Deviation	Stay time	System time	Vehicle time	Sequence number	Valid flags, realtime	Valid flags, statistics	Event	Sign control	Event seq. no.	Speed (km/h)	Latitude	Longitude	Passes
1...									3	Started	New Engl	895	00:01:55	7:40:00 AM...	7:40:00 AM...	13483	OK	OK	Time...			18228	0 km/h	-31.03308	151.06331	
1...									3	Started	New Engl	895	00:01:59	7:40:05 AM...	7:40:05 AM...	13484	OK	OK	Door...			18229	0 km/h	-31.03309	151.06331	
1...									3	Started	New Engl	895	00:01:59	7:40:05 AM...	7:40:05 AM...	13485	OK	OK	Unex...			18230	0 km/h	-31.03309	151.06331	

Label	Contains
Vehicle	Vehicle number e.g., 1723MO or 9862MO
Vehicle status	- at a stop, doors opening, etc
Passengers	- 10 passengers currently onboard, three embarked, zero disembarked
Block	Block associated with this trip e.g. AM33 or PM677
Line	Line associated with this trip e.g. S1010 ACME Bus and Coach
Duty	Duty associated with this trip e.g. AM33 or PM677
Driver	Name of driver who logged into the Driver Console
Destination	Trip destination
Journey	Journey ID e.g. 1005698 South head
Journey status	Status of journey: <ul style="list-style-type: none"> <li>- Between (travelling to the start point)</li> <li>- Started (after arriving at start point)</li> <li>- Ended (after arriving at end point)</li> </ul>
Stop	Stop point on the route
Distance	Vehicle Event/distance to the stop when the vehicle report was sent.
Deviation	Deviation from scheduled trip timing
Stay time	Stay time at the stop. The stay time (at the stop) is measured from the first door opening inside the stop area to the time the vehicle starts rolling the last time before it leaves the stop area.
System time	Time the message was received from the vehicle, according to the central system clock.

Vehicle time	Time the message was sent by the vehicle, according to the vehicle system clock.
Event	Actions including door open, door close, passenger counter triggered, stop point pass-by, and more
Sign Control	How the vehicle signs were controlled
Event sequence	Sequence number for the information in the Event and Sign control columns
Speed (km/h)	The speed reported by the vehicle
Latitude	Latitude position (GPS)
Longitude	Longitude position (GPS)
Passengers data	Information about the passenger report validity and trigger - what event triggered sending the report.

### Who do I contact if I have more questions?

If you have any questions or concerns please email the TCB Program via

[TCB.team@transport.nsw.gov.au](mailto:TCB.team@transport.nsw.gov.au) or [log a ticket via OT Connect](#).