

TRANS DIGITAL QUICK START GUIDE



UNIVERSITY OF
CANBERRA



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Introduction

This user manual (referred to as “manual” or “user manual” hereafter) provides detailed instructions on installation and usage of the web application TransDigital created within the 2025 Semester 1 Capstone Unit for UC ITS Capstone Project_2025-S1-27-11522. The users of this manual include any individual(s) affiliated with the National EV Centre of Excellence (NEVCE) and/or required to operate the TRANS DIGITAL web application. The language of this user manual is English, and no other languages are available.

System Requirements

For TRANS DIGITAL to run at full capacity, the corresponding system must:

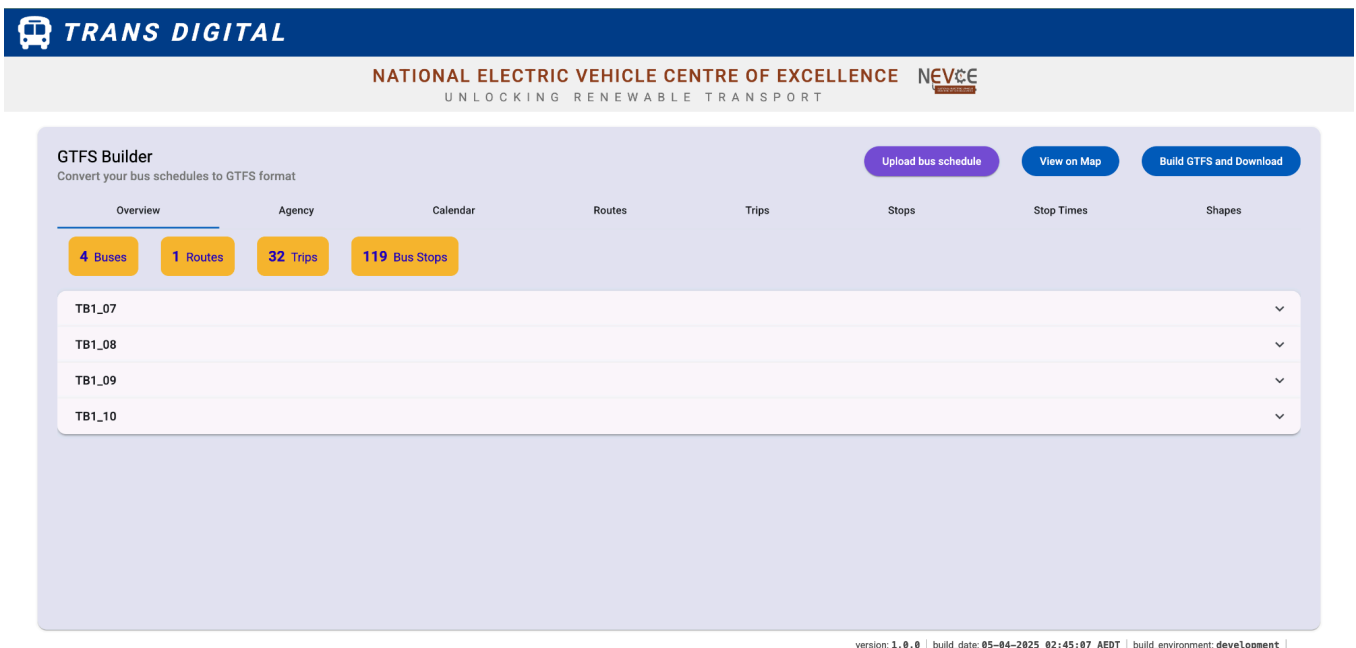
- Have access to a stable and secure network connection.
- Have access to a web browser (e.g., Chrome, Firefox, Edge).
- Allow access to Netlify (web application hosting platform).

User Interface Overview

TransDigital User Interface (UI) includes the following functionalities.

1. Overview Board

The Overview lists relevant information about the successfully uploaded file, including the number of buses, routes, trips, and bus stops.



2. Agency

The Agency tab showcases the information of the service provider. In this case, the agency's name, URL, timezone, language, phone number, fare URL, and email are available.

| Overview | Agency | Calendar | Routes | Trips | Stops | Stop Times | Shapes |
|------------------|---|--------------|----------|-------|---|------------|--------|
| Name | URL | Timezone | Language | Phone | Fare URL | Email | |
| Batik Solo Trans | https://pariwisatasolo.surakarta.ζ | Asia/Jakarta | en | | https://pariwisatasolo.surakarta.ζ | | |

3. Calendar

The Calendar tab displays weekdays where the service is available, the service ID, and the start and end dates of the service.

| Overview | | Agency | Calendar | Routes | Trips | Stops | Stop Times | Shapes | |
|------------|--------|---------|-----------|----------|--------|----------|------------|------------|----------|
| Service ID | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday | Start Date | End Date |
| DAILY | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 20250101 | 20301231 |

4. Routes

The Routes tab shows route-related information, such as the route ID, Agency ID, the route's short and long names, and route type.

| ID | Agency ID | Short Name | Long Name | Type |
|-------|-----------|------------|--|------|
| BST01 | BST | BAS-PBS | Bandara Adi Soemarmo - Palur Bus Station | 3 |

5. Trips

The Trips tab displays information extracted from the successfully uploaded file, including:

- Route ID,
- Service ID,
- Trips ID (a combination of bus name, Route ID, Route type, and direction),
- Headsign,
- Direction ID (0 or 1),
- Block ID,
- Shape ID, and whether wheelchair accessibility and bikes are allowed in the trip.

| Overview | Agency | Calendar | Routes | Trips | Stops | Stop Times | Shapes | |
|----------|------------|-------------------|---|--------------|----------|------------|-----------------------|---------------|
| Route ID | Service ID | ID | Headsign | Direction ID | Block ID | Shape ID | Wheelchair Accessible | Bikes Allowed |
| BST01 | daily | TB1_07_BST01_R1_0 | Palur Bus Station - Bandara Adi Soemarmo | 0 | TB1_07 | SHP00 | 0 | 0 |
| BST01 | daily | TB1_07_BST01_R1_1 | Bandara Adi Soemarmo - Palur Bus Station | 1 | TB1_07 | SHP01 | 0 | 0 |
| BST01 | daily | TB1_07_BST01_R2_0 | Palur Bus Station - Bandara Adi Soemarmo | 0 | TB1_07 | SHP00 | 0 | 0 |
| BST01 | daily | TB1_07_BST01_R2_1 | Bandara Adi Soemarmo - Palur Bus Station | 1 | TB1_07 | SHP01 | 0 | 0 |
| BST01 | daily | TB1_07_BST01_R3_0 | Palur Bus Station - Bandara Adi Soemarmo | 0 | TB1_07 | SHP00 | 0 | 0 |
| BST01 | daily | TB1_07_BST01_R3_1 | Bandara Adi Soemarmo - Palur Bus Station | 1 | TB1_07 | SHP01 | 0 | 0 |
| BST01 | daily | TB1_07_BST01_R4_0 | Palur Bus Station - Bandara Adi Soemarmo | 0 | TB1_07 | SHP00 | 0 | 0 |
| | | | Bandara Adi | | | | | |

6. Stops

The Stops tab displays stop ID, code, name, geographic location using longitude and latitude, Zone ID, Location Type, Timezone, and Wheelchair Boarding applicability.

| Overview | Agency | Calendar | Routes | Trips | Stops | Stop Times | Shapes | |
|----------|--------------------|--------------------|-----------|------------|---------|---------------|--------------|---------------------|
| ID | Code | Name | Latitude | Longitude | Zone ID | Location Type | Timezone | Wheelchair Boarding |
| HLT01 | terminal_palur | Terminal Palur | -7.565993 | 110.87238 | SOLO | 0 | Asia/Jakarta | 0 |
| HLT02 | halte_palur_plaza | Halte Palur Plaza | -7.568402 | 110.87351 | SOLO | 0 | Asia/Jakarta | 0 |
| HLT03 | halte_mitra_palur | Halte Mitra Palur | -7.568239 | 110.87164 | SOLO | 0 | Asia/Jakarta | 0 |
| HLT04 | halte_brigif | Halte Brigif | -7.567075 | 110.869257 | SOLO | 0 | Asia/Jakarta | 0 |
| HLT05 | halte_asmi_selatan | Halte Asmi Selatan | -7.56598 | 110.864614 | SOLO | 0 | Asia/Jakarta | 0 |
| HLT06 | halte_jurug_2 | Halte Jurug 2 | -7.565577 | 110.858659 | SOLO | 0 | Asia/Jakarta | 0 |
| HLT07 | halte_tmp | Halte TMP | -7.56489 | 110.856755 | SOLO | 0 | Asia/Jakarta | 0 |
| HLT08 | halte_uns_selatan | Halte UNS Selatan | -7.522668 | 110.745572 | SOLO | 0 | Asia/Jakarta | 0 |
| HLT09 | halte_tbs_selatan | Halte TBS Selatan | -7.56383 | 110.852197 | SOLO | 0 | Asia/Jakarta | 0 |

7. Stop Times

The Stop Times tab includes the Trip ID, Sequence, Stop ID, Arrival and Departure Time.

| Overview | Agency | Calendar | Routes | Trips | Stops | Stop Times | Shapes |
|-------------------|----------|----------|--------------|----------------|-------|------------|--------|
| Trip ID | Sequence | Stop ID | Arrival Time | Departure Time | | | |
| TB1_07_BST01_R1_0 | 1 | HLT01 | 05:33:00 | 05:44:00 | | | |
| TB1_07_BST01_R1_0 | 2 | HLT02 | 05:45:00 | 05:45:00 | | | |
| TB1_07_BST01_R1_0 | 3 | HLT03 | 05:46:00 | 05:46:00 | | | |
| TB1_07_BST01_R1_0 | 4 | HLT04 | 05:47:00 | 05:47:00 | | | |
| TB1_07_BST01_R1_0 | 5 | HLT05 | 05:48:00 | 05:48:00 | | | |
| TB1_07_BST01_R1_0 | 6 | HLT06 | 05:49:00 | 05:49:00 | | | |
| TB1_07_BST01_R1_0 | 7 | HLT07 | 05:50:00 | 05:50:00 | | | |
| TB1_07_BST01_R1_0 | 8 | HLT08 | 05:51:00 | 05:51:00 | | | |
| TB1_07_BST01_R1_0 | 9 | HLT09 | 05:52:00 | 05:52:00 | | | |

8. Shapes

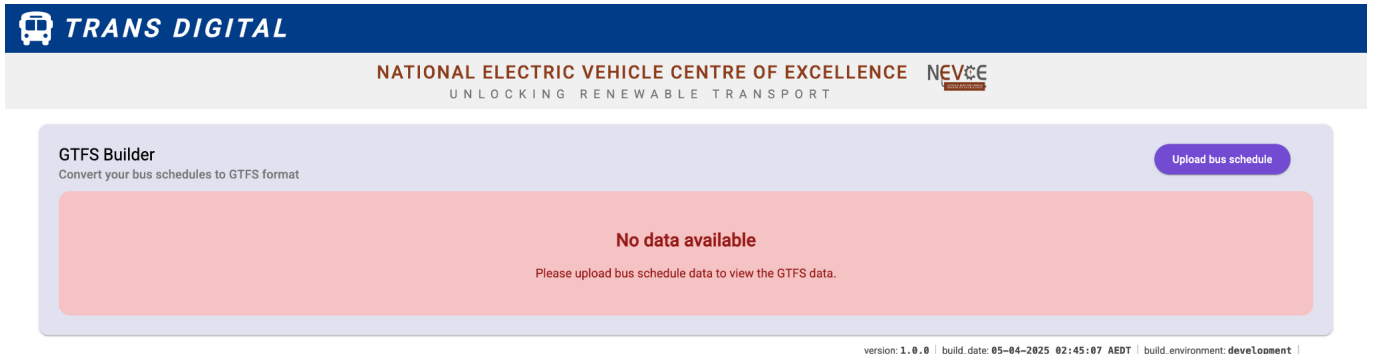
The Shapes tab showcases the shape ID, sequence and geographic information that can be used to plot shapes onto the map function within TRANS DIGITAL.

| Overview | Agency | Calendar | Routes | Trips | Stops | Stop Times | Shapes |
|----------|----------|----------|-----------|-------|------------|------------|--------|
| ID | Sequence | | Latitude | | Longitude | | |
| SHP00 | 1 | | -7.565993 | | 110.87238 | | |
| SHP00 | 2 | | -7.568402 | | 110.87351 | | |
| SHP00 | 3 | | -7.568239 | | 110.87164 | | |
| SHP00 | 4 | | -7.567075 | | 110.869257 | | |
| SHP00 | 5 | | -7.56598 | | 110.864614 | | |
| SHP00 | 6 | | -7.565577 | | 110.858659 | | |
| SHP00 | 7 | | -7.56489 | | 110.856755 | | |
| SHP00 | 8 | | -7.522668 | | 110.745572 | | |
| SHP00 | 9 | | -7.56383 | | 110.852197 | | |

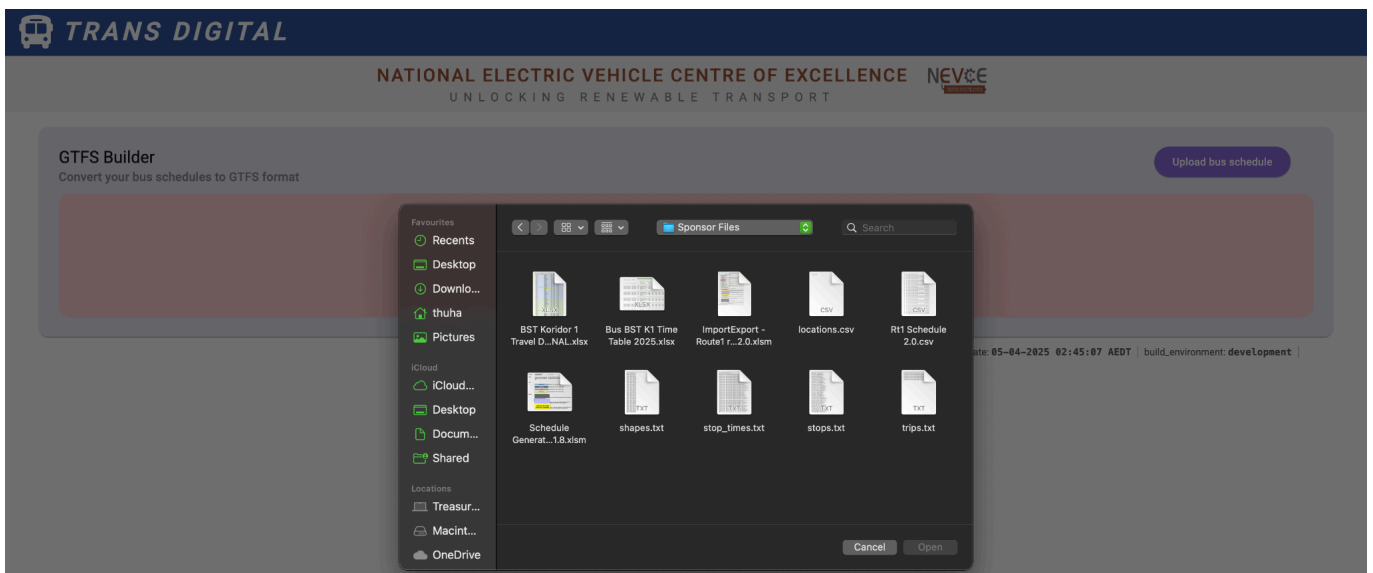
Using TRANS DIGITAL

The instructions in this guide are made for MacOS. However, the same procedure applies to the Windows system. To use TRANS DIGITAL:

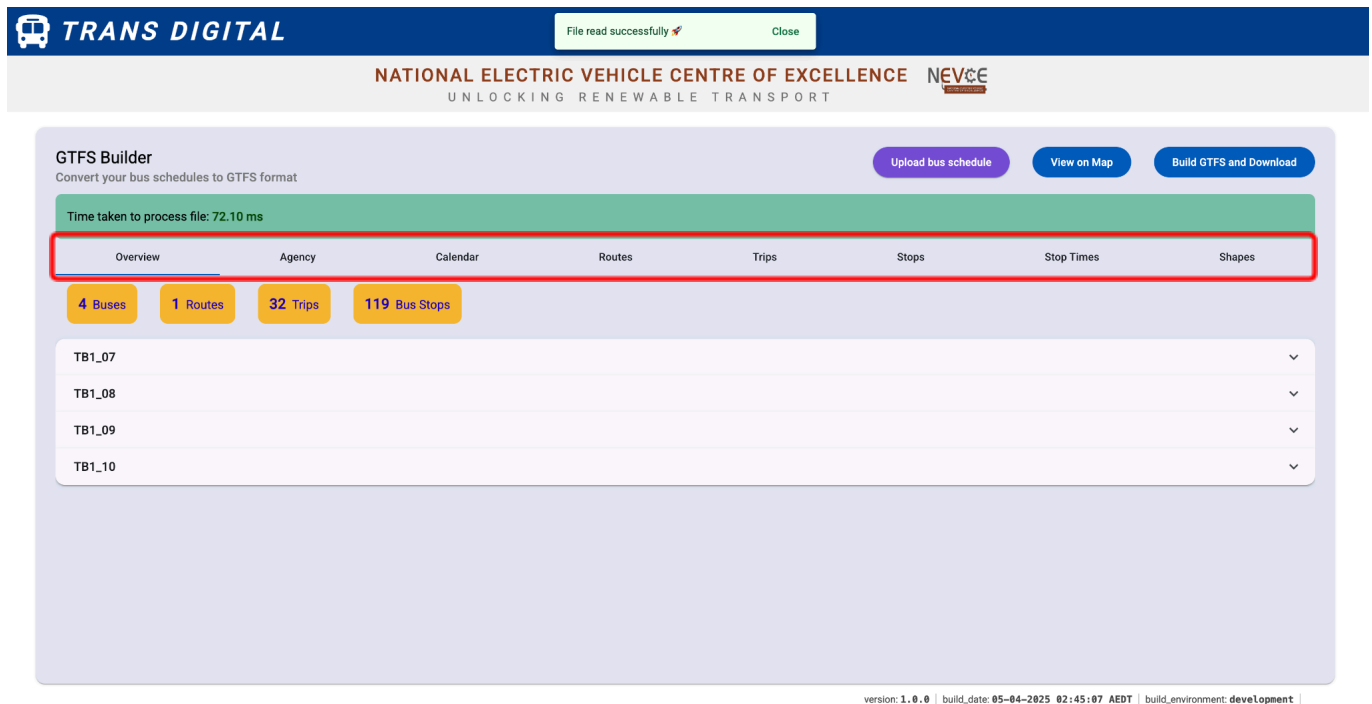
1. Access the TRANS DIGITAL website with this [link](#). File upload will be prompted.



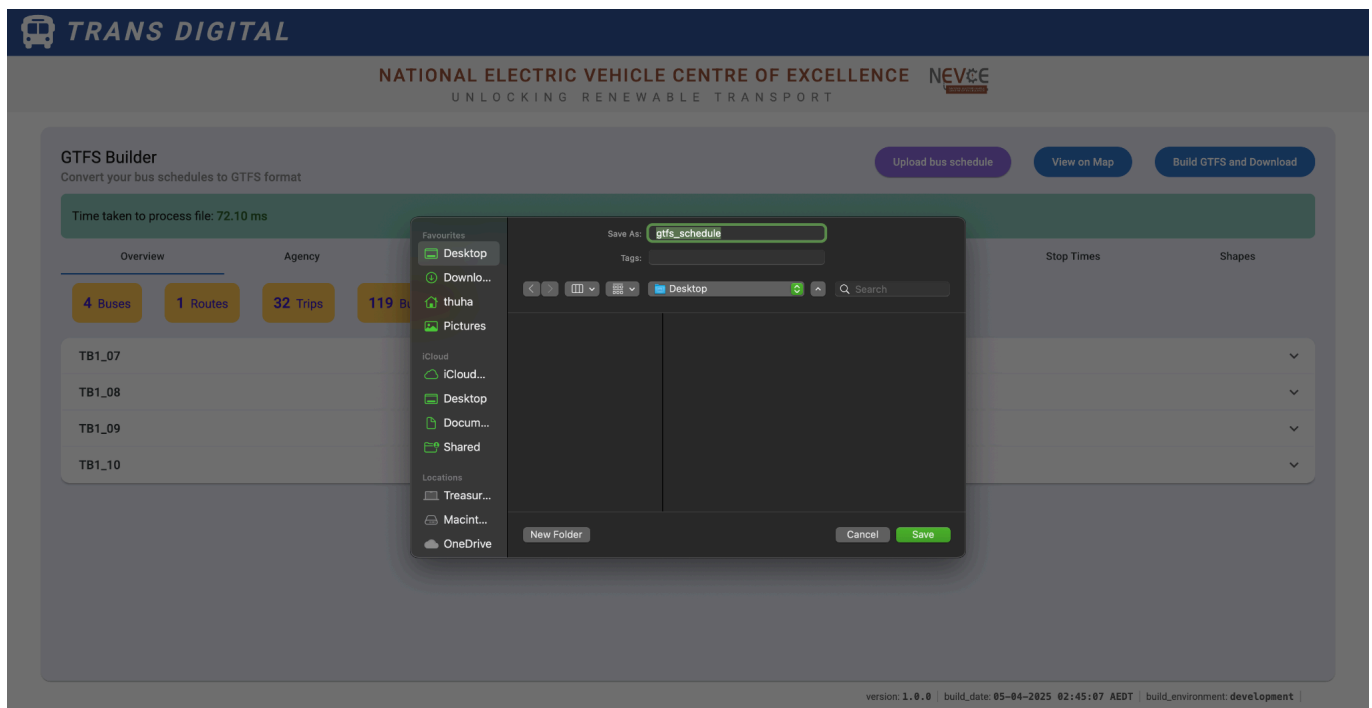
2. Select the compatible file and click **Open**.



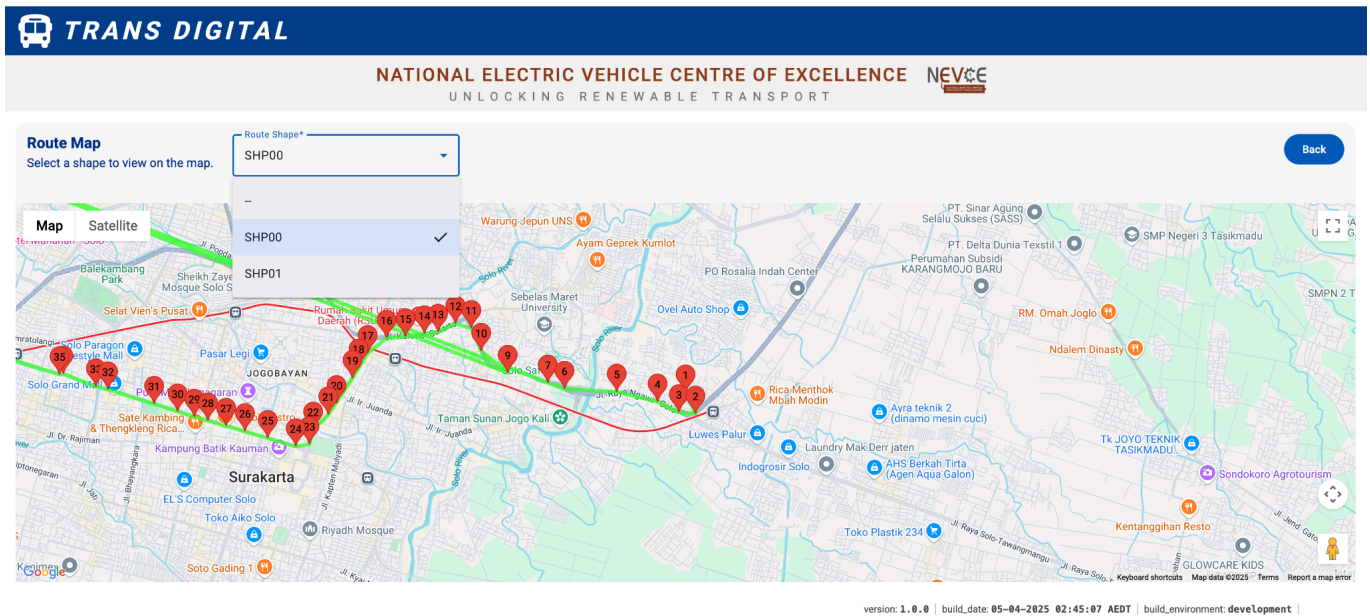
3. Once the file is successfully uploaded (correct format and file extension), the user can view information TRANS DIGITAL extracted from the uploaded file. These include the Overview, Agency information, Calendar, Route, Trips, Stops, Stop Times and Shape data (details in User Interface Overview section). The user can toggle between different tabs to view this data.



4. The user can generate the GTFS zip file using the **Build GTFS and Download** button. Click **Save** to download the GTFS zip file to the intended folder.



- The user can access the TRANS DIGITAL experimental feature by clicking **View on Map** to visualise the bus route on a map (e.g., Google Maps).
Select the shape from the Route Shape filter or toggle Map/Satellite view for convenience.



- To return to the previous screen from the map, click **Back**.
- To exit the website, please close the web browser.

Frequently Asked Questions (FAQs)

- Do I need to create an account?**
No. TRANS DIGITAL is accessible with the provided link and does not require login credentials.
- Can I use TransDigital on my mobile device?**
Yes. TRANS DIGITAL is compatible with computers and other digital devices (i.e., phones and tablets). It can be accessed if the relevant device has a stable and secure network connection.
- How do I create the GTFS-compliant output?**
Please follow the instructions in the Using TRANSDIGITAL section for a step-by-step demonstration of creating GTFS-compliant output.

Troubleshooting

1. File upload issues

Please check your file type (xlsx only) and file format. TRANS DIGITAL is designed to accept a specific file type and format.

Any changes could cause the system to display an error message.

2. Page loading issues

Please close and reopen the link. If following this action does not rectify the issue, please:

- Check your internet connection, ensuring you have a stable and fast connection.
- Clear your browser's cache and cookies.
- Try accessing the application in another browser or on a different device, or
- Contact the IT department for further support.

Contacting Support

The IT department has been supplied with the Developer Handbook as a reference point for resolving potential technical issues encountered when using TransDigital. They will be the contact for technical support.