

**Non-Members Edition** 

**April 2023 – Issue 164** 

### What's on

The calendar below shows key events over the next few months, from RTIG and our associates. For further details of RTIG events please contact secretariat@rtig.org.uk

### **Webinars**

18 April 2023, Introduction to the Transport

Data Strategy

17 May 2023, Using Open Data to Make a

Difference

**Workshops** 

20 June 2023, Enhancing the Off Bus

Experience, London

For booking details see the website.

### **Working Groups**

11 May 2023 CMS to Display Protocol

CCTV Technology & Best Practice Procurement of Software as a Service

### **RTIG Board**

17 April 2023, Virtual

### **PTIC**

8 June 2023, Virtual

### In this issue:

### News and events: update on RTIG work

<u>CCTV Technology & Best Practice</u> Procurement of Software as a Service

Towards Net Zero Carbon

Introduction to the Transport Data Strategy

Using Open Data to Make a Difference

<u>Analyse Bus Open Data</u> 2023-24 Business Plan

Enhancing the Off Bus Experience

RTIG Inform Legal Structure

Invoicing

### **DfT News**

Government Transport Data Strategy published
Bus Services Act 2017 Accessible Information
Regulations Published

Government commits £815,000 for Bus Centre of

Excellence

Local Authority Local Bus Service Registrations

### In Other News

Speed Data added to the National Geographic Database

Vancouver Bus Speed and Reliability Report InnovateUK 2023 Accessible and Inclusive Transport Report

### Members' news: showcasing innovation

Admin: useful facts about RTIG

Committee members
Contact s



For all administrative matters and enquiries please contact:
RTIG Secretariat, c/o Tim Rivett Consulting Ltd,

36 Fields End, Sheffield, S36 8WH

Tel: +44 (0) 1226 762712 Email: secretariat@rtig.org.uk Web:www.rtig.org.uk

## &

# E V E N T S

### **Newsletter Frequency and Email Alerts**

The newsletters are produced on a monthly cycle.

They will be posted on the RTIG website and emailed out to the newsletter contact list.

If you think a colleague or contact would benefit from receiving the RTIG newsletter then please ask them to fill out the form on the website or use the QR Code.



### RTIG on Twitter

RTIG is now on twitter as @RtigInform

https://twitter.com/RtigInform

### **Photo Library**

To help liven up RTIG printed and digital outputs we are interested in receiving any images of public transport information real time or otherwise that you would be happy for us to use.

We will of course credit the appropriate source if published.

If you have any material, you would be able to let us have access to please contact Tim tim.rivett@rtig.org.uk

### **Working Groups**

If anyone wants to become involved in any of the work packages in the business plan then please feel free to discuss or commit by getting in contact with Tim <a href="mailto:tim.rivett@rtig.org.uk">tim.rivett@rtig.org.uk</a>.



## &

# E V E N T S

### **Hearing Loops**

During the pandemic, bus operators introduced Perspex screens between the driver and passenger to help provide protection from COVID-19. This barrier increased the challenge for passengers and drivers who have hearing problems.

The use of audio induction loops (hearing aid loops) and other solutions will help to alleviate some of the resultant problems.



The requirement will form part of the future vehicle requirements as seen in the new zero-emission buses scheme.

We will be producing an advice note for operators. If you want to be involved in the group creating this then please let us know.

### CCTV Technology & Best Practice



In the 15 years since RTIG last produced guidance on CCTV there have been many changes in the technology available and its capabilities.

We are convening a working group to create updated advice on CCTV. We current expect this to cover different camera and recording technologies, and good practice advice on management of images, installation and maintenance.

If you want to be involved in the working group exploring this then please let us know. To get involved in this group please get in touch <a href="mailto:tim.rivett@rtig.org.uk">tim.rivett@rtig.org.uk</a>





# E V E N T S

### **Procurement of Software as a Service**



With an increasing move by software suppliers to supply services on a Software as a Service (SaaS) basis, the approach to procurement needs to change to reflect this shift.

Traditional procurement and contract arrangements need to be updated to reflect the requirements and expectations of SaaS.

We have convened a working group to create guidance on how to better procure SaaS systems.

We've had our first meeting and ideas for the report are being developed.

If you want to be involved in the working group exploring this then please let us know. To get involved in this group please get in touch <a href="mailto:tim.rivett@rtig.org.uk">tim.rivett@rtig.org.uk</a>

### **Towards Net Zero Carbon**

The UK government has introduced ambitious goals for the UK to become net-zero carbon by 2050 and transport is the largest source of carbon dioxide (CO2) emissions in the UK - damaging both the environment and public health.



In addition, the UK government's recent De-Carbonising Transport report outlines a strategy for reducing overall car use, promoting the "natural first choice" to be public transport and emissions-free modes of travel like walking and cycling.

&

# E V E N T S

We all need to address the climate crisis and RTIG is reviewing its activities to take the necessary steps to ensure our own climate impact is reduced; and to assist with and promote, the actions public transport takes to reduce its carbon footprint.

The report that is underway on the Environmental Impact of Displays is the first piece of work.

We want to know what we should do next?

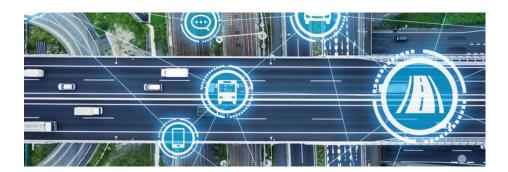
How can we help you and your organisations better understand your impacts?

How can we help you reduce your impact?

Please let us know what we can do to help and what you want us to work on.

### **Upcoming Webinars**

### **Introduction to the Transport Data Strategy**



The Department for Transport recently published its Transport Data Strategy.

On Tuesday 18 April 2023 at 13:00 we have a webinar on the strategy.

This webinar will run through the key points for public transport contained in the strategy and the linked documents published at the same time.

We will then discuss how RTIG should support the strategy and what you need to help you work with it.

https://www.eventbrite.co.uk/e/introduction-to-the-transport-data-strategy-tickets-602092674397



# E V E N T S

### Using Open Data to Make a Difference



There has been a sudden surge in data about transport being published and a new DfT Data Strategy.

It is easier than ever to access public transport data. What data sets are available now, what is expected and how could they be used?

How are data consumers already using transport open data?

We will, in this webinar, provide you with information to help you get started with open data and provide some examples of how open data is already being used.

Join us on Wednesday 18 May at 13:00

https://www.eventbrite.co.uk/e/using-open-data-to-make-a-difference-tickets-607300511177



## &

# E V E N T S

### **Past Webinars**

All our previous webinars have been recorded and available on our YouTube channel:

https://www.rtig.org.uk/youtube



### **Analyse Bus Open Data**



Analyse Bus Open Data (ABOD) is an extension service to the Bus Open Data Service (BODS), that provides free-to-access reporting and analytics to operators and authorities nationally. The service provides:

- Dashboard overview;
- feed monitoring;
- on-time performance analyses;
- Vehicle journey analysis;
- Corridor reporting.

Analyse Bus Open Data is part of the Department for Transport's ongoing investment in bus services, and supports the National Bus Strategy, by helping government, local authorities, and bus operators to:

- perform existing bus data analysis in faster and easier ways;
- produce more accurate and detailed performance analysis reports;
- improve on collaboration between different organisations;
- identify network improvement opportunities;
- inform transport policy and compliance monitoring across the industry.

•





# E V E N T S

RTIG is supporting the Department for Transport by promoting the service to ensure operators and authorities know about the service and how they can use it.

We will be holding a series of webinars during March, together with DfT's technical supplier Ito World, to demonstrate ABOD features and help users understand how to maximise its potential. Operators and authorities who have not yet received an invitation to get access to ABOD can also request this during the webinars – or in advance by emailing BusOpenData@dft.gov.uk

### Analyse Bus Open Data New Features: Data Quality for Authorities and Agencies

This session focused on Local Authorities and Government Agencies and :

- provides an overview of ABOD;
- Discussed data quality and how it can be managed;
- provided opportunity for Q & A with the ABOD team.

https://youtu.be/dWE2m0hEcb4

### Analyse Bus Open Data New Features: Data Quality for Operators and their Agents

This session focused on Operators and their Agents and:

- providee an overview of ABOD;
- Discussed data quality and how it can be managed;
- provided opportunity for Q & A with the ABOD team.

https://youtu.be/9Dhc7pSQjho

### Analyse Bus Open Data New Features: Vehicle Journeys

This session provided a deep dive into the new vehicle journey functionality.

https://youtu.be/rluUMpIXwbk

### Analyse Bus Open Data New Features: Supporting BSIPs

This session looks at how you can use ABODS to support a Bus Service Improvement Plan

We would also like to understand how we make BSIP reporting better using ABOD.

https://youtu.be/reapb3XORdQ

## &

# E V E N T S

### 2023-24 Business Plan



The business plan which outlines the projects and actions that are being planned for the next year was agreed at the AGM.

The full details are available:

https://www.rtig.org.uk/system/files/documents/RTIGC076-1-0%20Business%20Plan%2023-24.pdf

### **Annual General Meeting 2023**



The 2023 AGM was held on 22 March during the Future of Public Transport and Technology event, a huge thank you to those who turned up.

We reviewed the work achieved during 2022-23, looked at the forthcoming years business plan which was agreed along with the subscriber terms and benefits.

Your Board for the year is:

Chair

Tony Brown, Atkins

**Public Sector** 

Sonya Sparks, Essex Graham Davies, WYCA

Operator

George Connell, Stagecoach Simon Gold, Reading Buses







### **Suppliers**

Russell Gard, React Darren Maher, Journeo

### Consultant

Tony Brown, Atkins

The minutes will be available in due course.

The recording of the meeting is: https://youtu.be/QbyobN1qJQg

### NEXT FACE TO FACE EVENT

### **Enhancing the Off Bus Experience**

Our next face to face event will be on Tuesday 20 June 2023 in central London.

How can we encourage more people to use buses? how can make their journey to the bus stop and their waiting experience more attractive?

At this event we will explore what passengers want and need from their journey to and from public transport, what information they need, what wayfinding is needed and what the facilities at stop should be to make public transport accessible and attractive to everyone.

Please get in touch with <a href="mailto:tim.rivett@rtig.org.uk">tim.rivett@rtig.org.uk</a> if you would like a slot.



# E V E N T S

### **RTIG Inform Legal Structure**



The legal structure of the organisation that you know as RTIG and of which you are a subscribing member has changed.

If you've been following the updates over the last year and the EGM in January then this shouldn't be a surprise.

Prior to these changes, RTIG was compose of two entities - firstly RTIG-Inform, which was an unincorporated association to support the development and promotion of technology and information systems in passenger transport operations. As it was an unincorporated association it could not hold assets or enter into contracts.

For these reasons RTIG-Inform was dependent on a second entity: the Real Time Information Group Limited (RTIG Ltd) as an incorporated body which was operated as a subsidiary of Merseytravel. It provided various services to RTIG-Inform: including financial management, holding intellectual property and other assets, entering into contracts and serving other RTIG-Inform business needs. It was this company to which you paid your membership subscription.

Merseytravel, following a corporate review of governance, decided that it was no longer appropriate for them to remain as the owner of RTIG Ltd. During 2022, Merseytravel and RTIG-Inform took legal advice on future structures for RTIG which would facilitate their separation. This resulted in the creation of a new company RTIG Inform Limited and existing RTIG Inform activities and RTIG Ltd assets have now been be transferred into a new company limited by guarantee and named RTIG-Inform Ltd - with RTIG as its public facing name.

For the majority of members there will be no noticeable change - you will just pay your subscription to a new company.

Organisations subscribing at Foundation level will, however, become members of RTIG-Inform Ltd and their rights will change

&

E V E N T S

from being able to nominate a Committee member to being able to nominate a Director.

### Invoicing

It is the time of year when memberships are due, Dave Rawding is in the process of getting in touch with members to make sure that everything is in order when we send the invoices.

This year because of the changes to the legal structures its going to be a bit different.

As Merseytravel previously undertook all the banking and accounting services, we have had to set up a new bank account and will shortly be procuring accountancy support.

RTIG Inform Ltd is a new company, and therefore legally we are a new supplier to your organisation.

It is vital that where your organisation has an existing supplier agreement with the old entity and all its financial details, that this is updated as soon as possible.

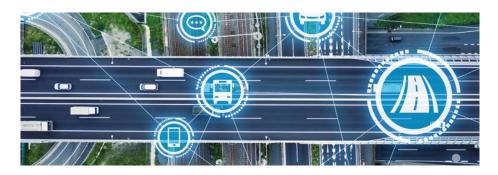
If you are able to amend your records without us completing a new supplier form, the new company and banking details will be emailed to you.

If, however, a new supplier form is required then please submit your form for completion to <a href="mailto:dave.rawding@rtig.org.uk">dave.rawding@rtig.org.uk</a>



# E W S

## Government Transport Data Strategy published



The Government published its Transport Data Strategy, setting out plans to improve how people find, use and get value from transport data to support greater innovation in the sector and deliver better services.

### The press release:

https://www.gov.uk/government/news/passengers-set-to-benefit-from-new-digital-transport-strategy

### The Strategy:

https://www.gov.uk/government/publications/transport-datastrategy-innovation-through-data

The strategy builds on work the Department for Transport has already been doing which RTIG and many of our members have been involved in such as:

- Bus Open Data Service (BODS)
- Street Manager
- the development of the Rail Data Marketplace
- updating National Public Transport Access Nodes (NaPTAN)

The Strategy was published alongside some other important documents we have been eagerly waiting for including:

### The future of the National Public Transport Access Nodes (NaPTAN)

https://www.gov.uk/government/publications/the-future-of-the-national-public-transport-access-nodes-naptan-discovery-report-2022

Work from a **Treasury Economic Data Innovation Fund** project with the urban observatories in Birmingham, Manchester and Newcastle on cataloguing, opening and visualising the transport-



# N E W S

related data from their sensor networks.

https://www.gov.uk/government/publications/towards-a-digital-twin-for-urban-transport

**Guidance for Local Authorities** which sets out how they should share transport data

https://www.gov.uk/government/collections/local-authority-transport-sharing-data

An **evaluation by Ipsos MORI** of three transport data projects: 1. The Street Manager service; 2. The Bus Open Data Service (BODS); 3. Opening LA Transport Data.

https://www.gov.uk/government/publications/process-evaluation-transport-data-projects

The Strategy is divided into five themes:

- sharing, discoverability and access
- data standards and quality
- skills, culture and leadership
- user needs and communication
- governance, protection and ethics with actions under each theme and it is well worth a read.

On Tuesday 18 April 2023 at 13:00 we have a webinar on the strategy.

This webinar will run through the key points for public transport contained in the strategy and the linked documents published at the same time.

We will then discuss how RTIG should support the strategy and what you need to help you work with it.

https://www.eventbrite.co.uk/e/introduction-to-the-transport-data-strategy-tickets-602092674397



# N E W S

# **Bus Services Act 2017 Accessible Information Regulations Published**

The Department for Transport published the draft Accessible Information Regulations for the Bus Service Act 2017 on 30 April.

- Onboard travel announcements to become mandatory across Britain's bus network
- Industry supported through £4.65m fund for small operators to upgrade vehicles
- Roads and Accessibility Minister Richard Holden: "Massive boost for passenger independence"



Visual and audible onboard announcements will be required by law on buses and local coaches by October 2026. In making the announcement, the government committed £4.65 million in funding for small operators to make the necessary upgrades, which RTIG will be responsible for managing.

The Department for Transport outlined rules its says will boost public transport accessibility for everyone, particularly disabled users.

DfT says "almost every local bus or coach service" will have to provide audible announcements and visual displays identifying the route and direction, each upcoming stop, and the beginning of any diversions.

The funding will made available to the "smallest bus and coach companies" and the changes will be implemented gradually.



# N E W S

DfT says only 30% of buses outside London provide this information.

Roads and Accessibility Minister Richard Holden says: "Everyone deserves to take the bus with confidence, and this is a massive boost for passenger independence. Simple and effective audible and visible information should be a baked-in feature of a modern bus service to help people reach their destination, wherever they travel in Great Britain."

The aids will make the announcements available via induction loop systems. All new vehicles introduced after October 2024 must also include visible information which can be seen by a wheelchair user when travelling in a rearward facing wheelchair space.

The response to the consultation on the regulations has been published:

https://www.gov.uk/government/consultations/bus-services-act-2017-accessible-information/outcome/bus-services-act-2017-accessible-information-consultation-outcome

the draft regulations which have been laid before parliament: https://www.legislation.gov.uk/ukdsi/2023/9780348246872/contents

## Government commits £815,000 for Bus Centre of Excellence

The government is today pledging £815,000 of investment for a new Bus Centre of Excellence to train and retain staff in the industry.

The new training body was announced in March 2021 as part of the National Bus Strategy and is designed to bring together expertise from local government, bus operators and industry.

Hosted by the Chartered Institution of Highways and Transportation, it will provide training opportunities and offer direct access to resources as well as industry experts. According to the Department for Transport, the Centre will contribute to the frequency and efficiency of buses.

RTIG have been asked to be a part of the Advisory Board so expect to see plenty of RTIG involvement.



# N E W S

# Local Authority Local Bus Service Registrations

Local Transport Authorities can take on the local bus service registration function from the traffic commissioner as part of an Enhanced Partnership under powers in the Bus Services Act 2017.

LTA and operators where the registration function is being carried out by an LTA need to understand the impact on the BODS requirements to supply timetable data. Guidance is available on the PTIC website:

http://bit.ly/3zrN6Sw



# N

# OTHER

# E W S

# **Speed Data added to the National Geographic Database**

Public Sector users of Ordnance Survey (OS) data now have free access to comprehensive speed data for Britain's road networks following the addition of Average Speeds and Indicative Speed limits into the National Geographic Database (NGD). The new speed datasets will make it easier to analyse travel times, enhancing routing analytics and providing accurate insight for safety and infrastructure policy decisions.



The data produced and maintained by Basemap will be available to all Public Sector Geospatial Agreement (PSGA) members, ranging from local authorities to the emergency services.

Basemap, an OS Partner, are a specialist provider of transport data solutions. Basemap's average speed data is collected from in-vehicle telematic systems throughout the day and linked to OS MasterMap Highways Network - Road data. The Indicative Speed data shows the maximum speed, as displayed on the speed limit street sign, for every road in Great Britain.

https://www.ordnancesurvey.co.uk/news/speed-data-added-to-ngd



# I N

# OTHER

# E W S

### Vancouver Bus Speed and Reliability Report

Buses are the workhorses of the transit network. However, traffic congestion greatly affects the speed and reliability of buses and also increases the cost of providing transit service. This reduces the amount of service that TransLink can provide.

TransLink's Bus Speed & Reliability Report summarizes the impacts of bus delay on both customers and operations. It identifies the causes of delay, profiles corridors with significant potential for improvement, and outlines the roles of TransLink and our municipal partners in addressing this burden on the region's transit system.

The 2023 Report is an update and expansion of the original 2019 report; it is being released in parts. Its an easy read series of bite sizes documents, and whilst its about the problems and solutions being implemented in a Canadian city, many of the issues and solutions are replicable in the UK.

https://www.translink.ca/buspriority

# InnovateUK 2023 Accessible and Inclusive Transport Report

Greater accessibility and inclusion in transport has the power to be transformative for marginalised groups and communities across the UK. For innovators and companies, inclusive change leads to more sustainable, innovative and profitable business.

With more than 1 in 5 consumers having a disability, 75% of which have decided against using a UK business because of poor accessibility, transport businesses lose £42 million per month by ignoring the needs of disabled people (Scope).

This report from Innovate UK KTN, which focuses on inclusion with regards to disability, identifies gaps in provision of accessible transport where Innovate UK KTN and our transport industry partners can have the greatest impact through innovation. This aligns closely with the Innovate UK KTN Transport team's aims to support Accessible and Inclusive Transport, as well as enabling greater equality, diversity and inclusion. It also supports the UK



I Ni

O T H E R

> E W

Transport Vision 2050, published by Innovate UK, which aims to ensure that "the 2050 traveller will experience a connected, cost-effective, accessible and reliable transport system" and that "transport will be accessible to people of all ages, locations and abilities."

Innovate UK KTN will now focus on enabling innovation across the transport sector, supporting a wide range of marginalised groups communities to ensure that inclusive innovators are able to thrive in the UK and beyond.

https://iuk.ktn-uk.org/news/the-2023-accessible-and-inclusive-transport-report/

# N E W S

### Keeping in touch with you

As well as keeping you up to date with all the latest news from RTIG, this newsletter aims to provide a community forum for members. We therefore offer RTIG members the opportunity to submit a short article here on any issue or innovation that might be of interest to the community.

There are two ways of becoming involved in this:

► Email pieces to us when you have them – press release format is fine, and pictures are welcome.

Nominate a marketing contact who will be included in the editor's monthly process of 'chivvying'.



A Navaho Transport systems destination blind on the ADL Enviro 400 EV



# N E W S

# INIT: 40 years of innovations for public transport

A number of success stories in the field of sustainable mobility find their beginnings in 1983: The Green Party enters the German parliament for the first time and the German Federal



Government passes an act to introduce lead-free gasoline at petrol stations and to equip all new vehicles with catalytic converters. In Karlsruhe a company is founded that will make its name contributing digital solutions for sustainable mobility.

On 7 March 1983, exactly 40 years ago, INIT Innovative Informatikanwendungen in Transport-, Verkehrs- und Leitsystemen GmbH is founded on the back of a university research project for "on-demand bus transport".

Today, calls for a new paradigm shift in transport towards sustainable mobility are louder than ever. INIT has long been a successful global player in this field and enjoys an excellent listing on the stock exchange. As a single source provider for urban and regional public transport, INIT relies on state-of-the-art technologies, most recently using cloud solutions and artificial intelligence. "Climate change dominates the political agenda. The digital transformation is opening up completely new avenues to solve the challenges of the coming years. It is our job to pave the way for future mobility," is how INIT founder and Chairman of the Management Board, Dr. Gottfried Greschner, sums up the general development.

https://www.initse.com/ende/news-resources/knowledge-database/press-releases/2023/init-40-years-of-innovation-in-public-transport/



# N E W S

### **REACT Access Trigger App**

### Free of charge to the public: Delivering accessible, equal access to information

The 'React Access Trigger' App is an extension of the RNIB React Audio System. The system makes digital and printed information audibly accessible.

Royd Lane, Manchester Road, Barnsley 37055125 - React Access Trigger (display) - YouTube

Accessible information is information which can be accessed, received, and understood at the time and point of need. For this to happen, people must be able to find the information, and the information needs to be provided both visually and audibly.

The REACT system benefits all people and is particularly advantageous to people with a visual impairment. The App notifies that you are at a location, for example, a bus stop, and provides the choice of making an equipped bus stop display 'talk' its visually presented information, as well as the option to receive information visually and audibly from your phone, without the difficulty (and often impossibility) of trying to find the information you need to complete your journey, verify where you are, obtain information about your location, seek help, report a fault/issue or leave praise.

The following video shows a person using the App to trigger audio from a newly installed bus real-time display in South Yorkshire.

Royd Lane, Manchester Road, Barnsley 37055125 - React Access Trigger (display) - YouTube

(The display system is provided and maintained by Vix Technology, on behalf of SYPTE / SYMCA. Approx 200 new displays are being added to the current estate, each equipped with REACT, to help deliver accessible information, supporting and encouraging bus travel).

Research indicates that 'at-bus-stop' information provision is cited as one of the top passenger requests from general and BSIP (bus service improvement plan) surveys and a key to increasing bus usage. The need for information, and indeed 'accessible information' is forming a large proportion of bus passenger charter requirements.

# N E W S

Where an React equipped electronic display isn't provided, a React Beacon can be installed, with the App delivering access to accessible information from a person's phone. The following examples demonstrate such using a TFL (Transport for London)' bus stop location and another South Yorkshire location.

React Access Trigger app voice control and in-phone website. - YouTube

<u>Birks Lane, Manchester Road, Barnsley 37051000 - React</u> Access Trigger (beacon – no display) - YouTube

The App integrates with third party websites, or your information, the location specific information, can be embedded into our own templates.

'Trigger Beacons' can be installed pretty much everywhere and anywhere; Buildings, rooms, entrance, mobility hubs and buses! etc... The information triggered is tailor to the specific location and customised to person requirements and needs.

Latest News – React Accessibility (react-access.com)

# TfL's new real-time information Countdown boards to make bus travel easier

TfL) has announced that it will begin installing a wave of new bus Countdown boards across every borough in the capital. More than 300 additional signs will be in place by the end of 2023, boosting the overall number of boards by 12%.



The signs are a simple and reliable way of helping Londoners get from A to B by bus. Knowing exactly when the next bus is coming helps to make public transport an easier and more attractive option.

The Countdown signs are well established in the capital and are valued by customers for the certainty they give, while also improving accessibility for those without smart phones. The information points will be installed in outer London boroughs such as Waltham Forest, Redbridge, Hillingdon and Barking & Dagenham as part of the Mayor's wider package of improvements to the bus network, including a million extra bus kilometres.

# N E W S

In addition, TfL is also trialling a number of new innovative screens on the route 63 between King's Cross and Honor Oak. This trial reflects the growing demand for a wider range of real-time information, giving customers greater control over their journeys. New digital colour displays within bus shelters will give customers the same live bus arrival information that is offered on Countdown signs, alongside a variety of other live mapping and travel information including any disruptions and diversions.

Customers are given up-to-the-second information on bus delays and updates on the rest of the TfL network. Before boarding the bus, passengers can also view every stop that they'll be taken to on their chosen route. In the future, these displays will be able to show the live location of all buses as they move along the route and even inform how busy it is on-board.

Testing of new digital real-time information displays underway to help keep bus passengers informed

Testing of new digital real-time information displays underway to help keep bus passengers informed

Transport for Greater Manchester (TfGM) is exploring new ways to provide bus passengers with real-time travel information – including NHS patients, staff and visitors – as momentum towards delivering the integrated Bee Network continues to build.

New digital passenger information displays are currently being tested in Manchester city centre as part of a pilot, with two further sites due to be added as part of a sixmonth evaluation.

The long-term plan is for electronic departure boards to



be installed at key locations across the Greater Manchester bus network to assist customers in making their journeys.

TfGM is working alongside three industry-leading suppliers of digital technology to test hardware and software. Customers and



# N E W S

accessibility groups will be engaged at the test sites so that passengers can have their say on what they feel is the best solution, and to allow for a better understanding of their requirements.

Through Greater Manchester's £1.2bn City Region Sustainable Transport Settlement (CRSTS) in partnership with the government, funding has been allocated to deliver live information displays at key locations across the bus network.

https://news.tfgm.com/press-releases/fe40ef9d-3a81-41c8-bbf7-9adf6448f098/testing-of-new-digital-real-time-information-displays-underway-to-help-keep-bus-passengers-informed

# Real time information in your pocket in Nottingham

Never miss the bus again with live bus departures on your phone. A trial in the city centre will use QR codes at bus stops to allow you to access real time information wherever you are in the city.

Simply scan a QR code when you get off the bus and receive live info for your stop to help plan your journey home.

The trial running in partnership with real time technology company Journeo will introduce QR codes at two bus



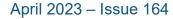
stops on Carrington Street – stops S4 and S7, outside Nottingham Station. These stops cover 13 services heading towards the south of the city.

The QR codes will allow you to receive up to date information on buses at the two bus stops directly to your phone. This means that you can take the bus departure times with you, wherever you go.

Nottingham is already leading the way with real time information with displays at over 1,000 stops across the city. All of the displays in the city centre and on the main routes into the city



N E W S have recently received an upgrade funded by the Department for Transport's Transforming Cities program. This trial will take it onestep further, allowing bus users to access the departure information while out and about.





# A D M I N

### **Management Committee Members**

The Management Committee for the year 2022-2024 was appointed at the EGM on 19 January 2023. Membership is currently as follows:

Chair: Tony Brown

Members: Sonya Sparks (Essex), Graham Davies (WYCA), Russell Gard (React Accessibility), Darren Maher (21<sup>st</sup> Century), Tony Brown (Atkins), George Connell (Stagecoach), Simon Gold (Reading Buses), Triumph Okojie (DfT)

### Contact us

Best by email: <a href="mailto:secretariat@rtig.org.uk">secretariat@rtig.org.uk</a>.

https://www.linkedin.com/groups/8557065

### **Next issue**

Issue 165 – Tuesday 2<sup>nd</sup> May 2023.

Please send all contributions to <a href="mailto:secretariat@rtig.org.uk">secretariat@rtig.org.uk</a> at any time up to Wednesday 26<sup>th</sup> April 2023.

RTIG's newsletters are distributed by email.

To subscribe: simply complete the form online, use the QR Code or email us at <a href="mailto:newsletter@rtig.org.uk">newsletter@rtig.org.uk</a> with your request and a valid email address.



**To unsubscribe:** email with the subject "unsubscribe" – or simply reply to your notification telling us you'd like to be taken off the list.