RTiG INFORM

improving public transport through technology

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

RTIG Committee
12 September 2018, London

PTIC
2 October 2018, Luton

Euro Bus Expo 2018
30 October - 1 November 2018, Birmingham

Intelligent Transport 2018 (Russell)
1-2 November 2018, London

RTIG workshop
Autumn 2018, TBC

* = To be confirmed

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NEWS AND EVENTS

Display guidance published

We are delighted to say that our latest document on how to use RTI signs has now been completed, and published for member use. The guideline is called *Displaying Transport Information on Public Electronic Signs* and has the reference number RTIGT037-0.91.

As you can tell from the version number, we're regarding this as almost, but not quite, final. While the IPWG is happy, we want to give other members the opportunity to review it: please let us have your feedback, especially if you think we are missing something.

At the same time, we are now publishing a small additional document, *Additional information on RTI signs* (RTIGT036-0.1) which captures various other bits of wisdom from the IPWG that don't fit neatly elsewhere.

We would like to take this opportunity to thank the members of the Information Presentation Working Group for all their hard work over the past couple of years.

N E W S   A N D   E V E N T S

Current Working Groups

The following Working Groups are currently active:

- **PTIC** (joint with ATCO and Traveline) – met at DfT in London, on 5 June 2018, with its usual wide ranging discussion on standards issues. The next meeting has been arranged for 2 October, hosted at Arriva's offices in Luton.

The **Information presentation WG** met on 3 July to review and approve its final current document (see main text). The IPWG now goes dormant for the time being.

If you don't yet participate in one of these groups but would like to do so, please contact us at secretariat@rtig.org.uk .

I N

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N E W S

DfT launches two consultations on bus information

The Bus Open Data public consultation launched on 05 July under the headline 'Bus Services Act 2017: Improving Information for Bus Passengers'.

The consultation covers both 'Bus Open Data' and 'Accessible Information' policy proposals. Responses to the consultation will shape the final approach and legislation needed to support the agreed approach. You can find out more about the public consultation at: https://www.gov.uk/government/consultations/bus-services-act-2017-bus-open-data.

In addition, DfT have created an online survey, to run alongside the consultation, which asks questions on the Bus Open Data proposals. As with the consultation itself, this is open and DfT is encouraging it to be shared as widely as you wish. The survey is available at https://www.smartsurvey.co.uk/s/BUSOPENDATA/

Stagecoach's driverless bus trials

On 23 July Stagecoach announced a partnership with Alexander Dennis (ADL) and technology company Fusion Processing to produce a single deck autonomous bus. The bus, a 12m ADL Enviro200, is expected to be ready for use by the end of this year.

In the short term, the bus will be used in autonomous mode only within the depot environment, to carry out movements such as parking and moving into the fuelling station and bus wash. It is hoped that this could help improve safety, efficiency and space utilisation within the depot.

IN OTHER NEWS

The vehicle will not be used in autonomous mode in passenger service for some time. However, even in manual driving, the technology systems are expected to help support road safety goals. For example, the sensor system can warn the driver of cyclists or pedestrians that may be in the blind spot or arrive unexpectedly close to the vehicle.

The technology is Fusion's CAVstar® system, which was utilised *inter alia* in the recent Greenwich trial of autonomous shuttles (see https://gateway-project.org.uk/). It uses "multiple sensor types, including radar, laser, camera and ultrasound, along with satellite navigation to detect and avoid objects, in all weathers, day and night, and plan an optimum path for the vehicle".

Hopefully Stagecoach will be able to release some information about how well this trial works!

Using cameras in place of driver mirrors

Route One has an intriguing report on bus and truck builder MAN, and its future plans for enhancing the driver assistance technology in its bus products. Here are some snippets.

One advance in particular represents a step change. External mirrors are removed and replaced with cameras. That gives three benefits...

With cameras, a person can walk from the front to the rear and be visible at all times.

A further reason is to reduce damage... Operators who have replaced [mirror arms] will know that they are not cheap.

Finally – and a key to a TCO reduction – is [a] small cut in wind resistance.

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The full article is available at http://www.route-one.net/articles/Manufacturers/Cameras_replace_mirrors_as_MAN_works_on_safety.

MEMBERS NEWS

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'.

M E M B E R S   N E W S

Rhein-Main network streamlines data flow with IVU systems

A standardised data flow producing harmonised passenger information in a transport association with over 160 transport operators – in order to make this a reality, Rhein-Main-Verkehrsverbund Servicegesellschaft (rms) has now taken a central client system developed by IVU Traffic Technologies into operation. This is creating the basis for the harmonisation of the IT landscape in the network of Rhein-Main-Verkehrsverbund (RMV). For passengers, this means improvements such as faster, more reliable real-time information which covers a wider area.

RMV is one of the largest transport associations in Germany, encompassing a transport area of 14,000 square kilometres and around 750 million passengers each year. Besides 64 regional and suburban rail routes, the association has approximately 1,000 bus routes which are predominantly operated by small and medium-sized transport operators. All of these have their own IT systems which means that up until now there have generally been no standardised IT processes, structures and procedures. To change this, RMV launched an initiative for greater standardisation as part of its digitalisation strategy together with its subsidiary rms GmbH. The aim is to make it even easier to use buses and trains and to tap into new customer groups through new and personalised services.

The standard products from IVU.suite are being implemented – IVU.fleet for fleet management and despatch, IVU.realtime for the transmission of real-time information, IVU.control for statistics and IVU.fare and IVU.ticket for fare management and ticket sales.

www.ivu.com

M E M B E R S   N E W S

Multi-currency contactless ticketing

Ticketer has processed its first ever contactless euro and sterling transaction, for First Aircoach in Dublin. The new multi-currency electronic ticket machines (ETMs) were installed two months ago for the two million passengers travelling between Dublin city, Belfast and Dublin Airport each year.

Four of the services are based in the Republic of Ireland and only use the euro, but one crosses the border between Belfast city centre and Dublin Airport, so Ticketer had to tailor the solution for the ETMs to accept payments in both euros and sterling. The ETMs accept all types of payments with contactless flexibility offered through the payment service provider Littlepay.

First Aircoach is the first customer that Ticketer has enabled euro payments for, and the ETMs will switch between currencies as required, showing the ticket price in both. It was a necessity for First Aircoach because journeys can start or end on either side of the border.

As well as the on-board ETMs, Ticketer is also supplying machines for the Travel shop in Belfast and mobile retailers based at Dublin Airport. Both airport terminals are served by mobile ticket machines for passengers to buy tickets before they board the bus.

www.ticketer.co.uk

Uno Buses upgrades to Ticketer contactless across the fleet

Uno, running local buses throughout Northamptonshire, Hertfordshire and North London, has now completed its ticket machine upgrade, with all sites now boasting the latest

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MEMBERS NEWS

Ticketer contactless ETMs. The final stage saw Uno's buses in Hertfordshire go live with contactless payments on1st July.

Contactless ticketing has transformed the way passengers use bus services, as they no longer require the exact change to travel. Students of the University of Hertfordshire, commuters, residents and shoppers can all now simply tap on and tap off. The introduction of m-Ticketing means that passengers can also use Apple Pay and Android Pay to buy their tickets.

Uno is also using a built-in schedule adherence feature to ensure that services run according to the timetable. The reporting facility enables Uno to identify any schedule changes that need to be made to keep services running on time.

Where Ticketer ETMs have been introduced in other parts of the country, they have seen a huge rise in the number of cash-less transactions. Use of m-Tickets and contactless payments also speeds up boarding times and reduces queues.

www.ticketer.co.uk

ADMIN

Management Committee Members

The Management Committee for the year 2018-19 was appointed at the AGM on 19 March 2018. Membership is currently as follows:

Chair: Ben Gilligan (SYPTE)

Members: Andrew Wilson (Solent, Deputy Chair), David Gill (WYCA), Russell Gard (Nimbus), Richard Holland (21st Century), Tony Brown (Atkins), Chas Allen (Stagecoach), Tony Pettitt (Reading Buses), Meera Nayyar (DfT)

Andrew Wilson was appointed Deputy Chair at the Committee meeting on 30 May 2018.

Contact us

Best by email: secretariat@rtig.org.uk.

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

Next issue

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Please send all contributions to secretariat@rtig.org.uk at any time up to Monday 3rd September, 2018.