



# **Vix Technology completes ITSO TKR updates for Stagecoach Group**

## **EMEA, 12 NOVEMBER 2015**

Vix Technology has successfully completed deployment of ITSO transaction keyring rollover (TKR) updates across Stagecoach Group's entire UK Bus estate outside of London, in preparation for the new keyring ID coming into force on the 18th November 2015, that encrypts each transaction across ITSO compliant smart ticketing systems.

Following the successful completion of end-to-end testing of the new transaction keyring changes, Vix have also successfully upgraded the group's ISAMs across the East Midlands Trains and South West Trains fleets, including ticketing machines and validators. The updates further extend to Stagecoach's fleet of more than 6,400 buses outside London, all of which were delivered ahead of the November deadline.

Stagecoach Group Head of IT, Brian Coburn, said: "Completing this important upgrade enables us to continue to deliver secure smart ticketing to our bus and rail customers across the UK."

Bryan Simms, Managing Director UK & Ireland, Vix Technology, added: "As one of the largest transport groups in the United Kingdom carrying over 3 million passengers a day, ensuring the changes were delivered on time was critical. Vix Technology's close partnership with Stagecoach enabled this to happen."

## **About the keyring rollover**

All ITSO (Integrated Transport Smartcard Organisation) compliant systems rely on ISAMs (ITSO Smart Access Modules), secure electronic data processing modules that authenticate the cardholder's permissions and validate electronic tickets, storing journey data for further processing.

Each transaction is encrypted by a number of keys held in a transaction keyring on each ISAM. The current transaction keyring expires on the 18th November 2015, with a new keyring ID having been made available by ITSO for use till 2021.

The testing and certification by ITSO enables Vix supported systems to continue to communicate with ITSO security management systems in the future.

[For further information please fill out the contact form on our website.](#)

## **NOTES TO EDITORS**

**About Vix Technology:**

Vix Technology is a leader in smart booking, ticketing, payments, real-time information and data management solutions for large-scale transport networks working with more than 200 customers worldwide.

Vix leverage more than 25 years industry experience designing, operating and maintaining proven next-generation ticketing, payment and loyalty platforms to help governments and businesses manage around five billion transactions a year and create new ways to connect with their customers.

Harnessing the latest technologies, Vix now also works with major sporting clubs, mining communities and event venues to boost engagement, save resources and enable powerful data-driven loyalty and reward schemes through simple solutions that achieve measurable growth and increase customer satisfaction.