



Double Success for ITSO Street at ITS World Congress

At the 13th ITS World Congress at Excel ITSO, with significant help from some of its members, exhibited in the ITSO STREET a potential solution for the 2008 English National Concessionary Travel scheme. This, however, was no mere demonstration. Suppliers and scheme operators came together to show how ITSO is being implemented. Visitors were able to use concessionary passes from two live schemes, NoWcard and Cheshire County Council Travelcard, in either scheme's bus equipment and view what happens to the data from those transactions.

What made this demonstration special was that competitive commercial organisations were working together to demonstrate how the creation of a single specification benefits everyone.

Amongst the visitors to the ITSO Street were: Dr Stephen Ladyman, Minister of State; Gillian Merron, Parliamentary Under Secretary of State; Graham Pendlebury, Road and Vehicle Safety and Standards Directorate DfT; Sir David Rowlands, Permanent Secretary DfT; Richard Bruce, Head of Concessionary Travel Division DfT; Sally Delgado, Rail Strategy DfT; Alec Walker-Love, UITP; Richard Saunders, Metro; Alastair Smith and Martyn Higgs, Stagecoach; Louise Delaney, Southern; David Print, Merseyrail; Martin Rowe, Hull Trains; Dr. Malcolm Reed, Head of Transport Scotland and others.

With cards from two real schemes, 2 back offices and two sets of Wayfarer bus equipment, interoperability was demonstrated at every level including the previously unseen back office clearing of 'not-on-us' data. There were also some bonus features:

- A demo of multi-application smartcards by the addition of the LivSmart application to a concessionary card
- The first demonstrated use of low-cost smart media within the Cheshire County Council scheme
- A concept prototype of the rail industry standard ticket printer converted to ITSO by Unicard
- A demonstration by CNA of their version 3 specification card with an ITSO application
- Descriptions of the existing and imminent schemes which together with the existing Scottish Executive Entitlement Card and the converting Welsh Assembly schemes will put some 3 million ITSO based cards in the hands of customers

Neil Scales, Chair of ITSO & Director General of Merseytravel said: "This exhibition is the culmination of six years development work and provides the answer to all the challenges raised by the introduction of the English National Concessionary Travel scheme. ITSO is now the industry standard

specification and is being implemented by major schemes in the UK. There is also considerable interest from abroad and we are working with a number of European partners in particular to investigate how they can also implement ITSO."

Among ITSO Street participants were:

- Applied Card Technologies (ACT)
- Burall Infosmart
- Cheshire County Council
- Calypso Networks Association
- Ecebs
- ESP System
- Giesecke & Devrient
- The Royal Bank of Scotland
- Unicard
- Wayfarer Transit Systems

Eric Sampson, Head of Transport Technology & Standards, Department for Transport, said: "ITSO is now truly proven to be the interoperable specification we always envisaged. However an added bonus has been the team work between suppliers and scheme operators during the development of the specification and more recently the implementation of ITSO as a live operating environment."

For further information, please contact Peter Stoddart, ITSO Head of Marketing, on 0121 233 2598 or at marketing@itso.org.uk



Peter Stoddart, ITSO Head of Marketing, explains ITSO interoperability to UK ministerial visitors to the

NoWcard and RBS HOPS—live and active !

NoWcard, the first ITSO scheme to go live, has just reached an important milestone with the upload of over 500,000 passenger journeys to the RBS-provided HOPS back-office system. In the same period, over 30,000 passengers cards have been converted to ITSO-compliance on the Wayfarer TGX 150 bus ticket machines in use at Blackpool Transport. A more in-depth article on NoWcard will appear in the November Newsletter."

Statement from ESP Systemx

Terry Dunn of ESP Systemx said that they thought it was a vibrant show with quality attendees and lots of National Government interest.

This was a great flag waving exercise rather than a 'lead generating' show and it really gave a big boost to the future of ITSO. No-one can now say that this does not prove the full end-to-end ITSO infrastructure really does work.



ACT prove ITSO portfolio at ITS 2006

ACT's ITSO portfolio was live at the ITS World Congress Exhibition 2006 - London, Excel 9-12th October as part of the 'ITSO Street'. The event was a great success for ACT and its ITSO clients Cheshire County Council, Nottinghamshire County Council, Merseytravel, Yor-Card and Bolton MBC. Visitors to the ITSO stand were able to see live transactions on the ACT HOPS (AMS), ACT Card Management System (CMS) and additionally use the ACT citizen system 'Discovery' which is already deployed in the world's capitals such as Edinburgh, Dublin and New York.

ACT is the first company to achieve full ITSO certification for its HOPS (AMS) product, already selected by five (5) ITSO transport projects covering both commercial and concessionary ticketing in the UK. This early pioneering work has enabled ACT to create a wealth of practical ITSO knowledge which has been used to further strengthen its product and services portfolio for the benefit of its customers.

ACT also demonstrated the potential ITSO has for the citizen, enabling card holders to load non transport tickets onto their live ITSO card at the ACT stand and use these tickets (attractions, restaurants, leisure facilities) at various outlets (symbolised by ACT Point of Sale Terminals on stands around the street) and all via a single live ITSO smart card.

Gary Watts, Managing Director of ACT said: "We are delighted to have taken part in the ITSO street and to have been able to show live ITSO transactions from the live Cheshire ITSO HOPS (AMS) and Card Management System. My thanks to Cheshire County Council, who allowed their live systems to be used during the exhibition for the benefit of the ITSO community, and as a further illustration that ACT successfully delivered their ITSO back office solution."

For further information on ACT's transport and tourism products visit www.card.co.uk or email: info@card.co.uk

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ITS World Congress 2006

Aerial view of the ITSO Street and ACT stand.

Visitors enjoyed a demo that encouraged participation along the ITSO Street.

Stephen Ladyman (Minister of State) chats to Chris Forrester (ACT), on the ACT stand.



Providing a complete ITSO portfolio: Full HOPS (AMS), Card Management System, Managed Services and Support...

Royal Bank of Scotland and Ecebs jointly exhibited at ITS and found the exhibition extremely worthwhile



Paul May, Ecebs Sales Manager, summed up after the event "The ITSO street concept worked particularly well. The idea of Interoperable Smartcard Ticketing as

enshrined in the ITSO Specification has been viewed, by some, with a little suspicion over the last few years.

At Intelligent Transport Systems 2006 for the first time visitors were able to see the end-to-end implementation of this specification fully working. It is a very significant achievement and one that was not lost on the visitors, which included Government ministers and senior civil servants. Another exciting aspect was the level of interest shown by non UK visitors, and I think it is only a matter of time before ITSO implementations start gaining traction abroad."

At the exhibition the fully certified RBS HOPS / AMS was being used and demonstrated. There was also a great deal of interest in the ISAM as well as being a key component of the security architecture. Jennifer Thomson, Marketing Manager added, "The other point of real significance to visitors

was that RBS and Ecebs ITSO components are now being used in real situations. Hundreds of thousands of real transactions have taken place with passengers using ITSO smartcards on public transport vehicles. In addition, over a million ITSO smartcards have been produced utilising Ecebs ISAMs and over thirty thousand ISAMs have been ordered. ITSO has arrived!"

Further information about RBS and Ecebs products can be obtained from Jennifer.Thomson@ecebs.com or david.poole@rbs.co.uk

Cheshire County Council Innovates at ITS

Cheshire County Council's successful Travelcard transport smartcard scheme recently demonstrated 3 major 'firsts' in its pioneering application of ITSO technology at the ITS World Congress on 8-12 Oct at Excel in London.

1 ► The first live demonstration of ITSO 'low cost' smartcards. This technology will give access to a vast range of distribution and marketing opportunities.



2 ► The first live demonstration by the scheme and its partners of the use of a non transport application (in this case ACT's Discovery tourism application) alongside commercial transport ticketing - giving rise to a whole new dimension of visitor and citizen opportunities.



Exhibitors in ITSO Street

3 ► The first live demonstration of concessionary travel interoperability. Between Cheshire Travelcard and NowCard, this demonstration showcased how the National concessionary scheme will work across area boundaries in 2008.

Supplier partners supporting Cheshire County Council at ITS were:

Applied Card Technologies ~ suppliers of Travelcard's ITSO HOPS/AMS and integrated card management system.

ESP Systex ~ suppliers of card personalisation and encoding equipment.

Wayfarer Transit Systems ~ suppliers of on-bus ticketing equipment and operator back office systems.

Magnadata ~ suppliers of Mifare 4k, Ultralight and Innovision Jewel contactless smartcards.

Helen Mitchell, Travelcard Development Officer for Cheshire County Council said; 'We were delighted at the response we received, and how the successful demonstrations form a sound basis for the future development of transport and other smartcard applications. Each demonstration is a major innovation and the result of pioneering developments by the County Council and its supplier partners'.



FVC2 reference package simplifies POST development

Responding to requests from many of the leading equipment suppliers ITSO and Smart Card Solutions have collaborated to develop a reference implementation of FVC2. Until now developers faced the near impossible task of guaranteeing interoperability with FVC2 customer media that could assume more guises than a chameleon in a paint factory.

To address the suppliers' concerns, SCS has developed a JavaCard applet that can be configured to any imaginable FVC2 variant. A support application also supplied by SCS permits the user to re-configure the test cards enabling a single card to cover the whole spectrum of FVC2 incarnations. The FVC2 application and a library of sample configurations have been used extensively by Integri to clean the pipes of the FVC2 aspects of certification.

Interest in the reference pack has been high and SCS has already shipped beta-software releases to several POST suppliers for testing and evaluation.

The reference pack comprises:

- Four reconfigurable CMD2 cards.
- A windows application for configuring the cards.
- A User guide.
- A library of example card configurations covering aspects such as secure messaging, file size and file selection mechanisms.
- E-mail support for getting started and using the tools in the pack.

Besides the obvious attraction to POST suppliers of simplifying testing and reducing certification risks, ITSO recognises the importance of this pack as a quality assurance tool and aims to make the pack available as widely as possible at nominal cost. ITSO and SCS are grateful to WinterAG who have sponsored the media used in the developer pack.

ITSO ANNUAL GENERAL MEETING

Members are invited to attend the Annual General Meeting (AGM) of ITSO Limited which is being held at Great Minster House Room H3 London on

Wednesday 29 November 2006
Commencing at 11.00 am



The pack is available from SCS, for more details please contact Michael Buchallet at Smart Card Solutions Ltd. +44 1223 236656