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Certificate No. C – 00048-2

ITSO Certificate of Compliance

To: Scheidt & Bachmann Limited

For: CID Card Interface Device (software version 2.2.5)

This is to certify that the above product has been tested as required by ITSO for compliance against ITSO TS 1000-0 Specification Version: 2.1.3

Test Report Ref: SBA/CER_002/03 dated 03 February 2009

This product supports the functions: PersoPOST for the creation of CMD1 and CMD3 media. It can support the function of a POST. It communicates within an ITSO environment as listed in Schedule A of this Certificate.

This product may only be used by ITSO Licenced Members complying with the conditions and constraints listed in Schedule B.

Signed for and on behalf of ITSO : 

Title: COMPLIANCE MANAGER

Dated : 17 JULY 2009

Certificate Valid until : 16 JULY 2016



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Schedule A

List of all Customer Media, IPE's and functions that were included in the testing procedure.

As a **PersoPOST**, this device can support:

CMD1 Creation

CMD3 Creation

As a **POST**, this device communicates with **CMD1-8**.

The IPEs supported are represented by the following table.

IPE	Create	Modify	Accept	Delete
TYP 0 - Private Application	✓	✓	✓	✓
TYP 2 - Stored Travel Rights	✓	✓	✓	
TYP 3 - Loyalty (Type 1)	✓	✓	✓	✓
TYP 4 - CTA (mode 1)	✓	✓	✓	✓
TYP 5 - CTA (mode 2)	✓	✓	✓	✓
TYP 14 - Entitlement	✓	✓	✓	✓
TYP 16 - ITSO ID and Entitlement	✓	✓	✓	✓
TYP 17 - Loyalty (Type 2)	✓	✓	✓	✓
TYP 22 - Area based ticket	✓	✓	✓	✓
TYP 23 - Journey Ticket	✓	✓	✓	✓
TYP 24 - Journey Ticket (incl Reservations)	✓	✓	✓	✓
TYP 25 - Travel Voucher	✓	✓	✓	✓
TYP 26 - Tolling	✓	✓	✓	✓
TYP 27 - Period Pass (space saving)	✓	✓	✓	✓
TYP 26 - Carnet (space saving)	✓	✓	✓	✓
TYP 26 - Multi Journey Ticket (space saving)	✓	✓	✓	✓



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Schedule B

List of the conditions and/or constraints applied by ITS0.

This unit has been tested as a PC unit plus card reader. Use with other hardware or its inclusion within other OEM equipment will require a separate certificate and Interoperability Demonstration.

The traffic lights are not implemented.

This POST achieved benchmark timing of:

	Average over tests
CMD1	520mS
CMD2	1S
CMD3	530mS
CMD4	190mS
CMD5	290mS
CMD6	270mS
CMD7	510mS
CMD8	595mS

This device must not be used for the issuing of CMD1 and CMD3 media after 31 December 2009.