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Certificate No. C – 00092

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## ITSO Certificate of Compliance

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**To: ERG Transit Systems (UK) Limited**

**For: ERG Ticket Machine TP5700 POST (release 10.03.100120)  
and TRACS (release 5.5.0.4)  
and TRACS (.NET) Software (release 1.2.0. 2)**

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**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**

**Final Test Report: ERG\_POST\_2.1.3\_TP5700 dated 16 November 2009**

**This product supports the functions: ITSO POST and 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 :** 04 DECEMBER 2009

**Certificate Valid until :** 03 DECEMBER 2016



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## Schedule A

This POST communicates with CMD1-8.

The POST consists of an ETM and depot PC.

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 28 - Carnet (space saving)	✓	✓	✓	✓
TYP 29 - Multi Journey Ticket (space saving)	✓	✓	✓	✓
Transient Ticket	✓		✓	

Multiple currency is not supported



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## **Schedule B**

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

This POST meets the off-line bus ETM benchmark timing standards for CMD1, 3, 4, 6, 7, 8:

	Average over tests
CMD1	480mS
CMD2	1160mS
CMD3	540mS
CMD4	250mS
CMD5	470mS
CMD6	250mS
CMD7	520mS
CMD8	430mS