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Approval No. A - 00013

ITSO POST Sub Assembly Approval

To: Unicard Ltd.

For : Unicard ITSO POST terminal application V1.0

This is to certify that the above Sub Assembly has been tested by ITSO against ITSO TS 1000-0 Specification Version: 2.1

Final Test Report Ref: UNI/CER_003/01 Date: 25 September 2006

This sub assembly provides low level software required to generate CMD encoding and ITSO messaging data, including ISAM communication within the ITSO environment as listed in Schedule A

Signed for and on behalf of ITSO : _____

Title: _____

COMPLIANCE MANAGER

Dated : _____

16 JANUARY 2007

Approval Valid until : _____

15 JANUARY 2014



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Schedule A

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

This sub assembly accepts CMD's 1, 2 *, 3, 4 and 5 only.

The IPE's supported are represented in the following table:

IPE	Create	Modify	Accept	Delete
TYP 2 – Stored Travel Rights	✓	✓	✓	✓
TYP 14 – Entitlement	✓	✓	✓	✓
TYP 16 – ITSO ID and Entitlement	✓	✓	✓	✓
TYP 22 – Area based ticket	✓	✓	✓	✓
TYP 23 – Journey Ticket	✓	✓	✓	✓
TYP 27 – Period Pass (space saving)	✓	✓	✓	✓
TYP 28 – Carnet (space saving)	✓	✓	✓	✓
TYP 29 – Multi Journey Ticket (space saving)	✓	✓	✓	✓

* - The sub assembly is unable to read some CMD 2 cards. Those that fail use selection by Path and are JCOP 31 cards.