

Unicard Limited

Pear Tree Business Centre
Cobham Road
Wimborne
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BH21 7PT

10th June 2022

ITSO Remote POST Server Compliance Certificate

Certificate Number: C-00177-1
Product/Service name: Unicard Remote POST Server
Version: 4.0.0.1
Compliant with: ITSO TS 1000 Specification Version 2.1.4 Corrigendum 9

Dear Michael,

ITSO received a request submitted by Unicard Limited, for the recertification of the Unicard Remote POST Server (software version 4.0.0.1). As indicated in Certification Test Report (ref. Test Report – RPS-1623679655 – Unicard Remote POST Server Recertification of C00177), ITSO has found reasonable evidence that the submitted product/service complies to ITSO TS 1000 Specification Version 2.1.4 Corrigendum 9.

Your product/service will be included in the certified products list, published on ITSO website.

Please note that the present Certification is subject to the following general terms and conditions along with conditions/constraints as detailed in Schedule B:

- i. The present Certification is granted on the basis of the ITSO Certification & Compliance Policy and therefore is valid as of today and will expire 7 years from issue, however if the Product/service contains a sub-assembly, the above referenced product will only be valid if the sub-assembly holds a valid ITSO certificate.
- ii. If the Product version number is changed, Unicard Limited must notify ITSO of this fact in writing by supplying the release notes. Any change in the Product that may generate a different behaviour with respect to the ITSO TS 1000 Specification version 2.1.4 corrigendum 9 standards may be considered a major modification subject to a new evaluation in order to maintain the present Certification.
- iii. The present Certification granted to Unicard Limited for the above referenced Product is non-transferable to any other vendor.
- iv. When request by an ITSO Licenced Operator, the ITSO Registered Supplier must supply a copy of the Test Report.

Schedule A

The Unicard Remote POST Server has been tested with HID Omnikey 5422 Rev B and Gemini 2000 (G2K) uCrypto reader for CMs, and Gemalto IDBridge K30 USB for ISAM.

The CM supported is shown in the following table:

CMD	CMD2	CMD4	CMD7	mCMD2
Customer Media Definition	✓	✓	✓	✓

The IPEs supported are represented in the following table:

IPE	Accept	Create	Modify	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 & Entitlement	✓	✓	✓	✓
TYP 17 – Loyalty (Type 2)				
TYP 22 FR1 – Area Based Ticket	✓	✓	✓	✓
TYP 22 FR2 – Area Based Ticket	✓	✓	✓	✓
TYP 23 FR1 – Journey Ticket	✓	✓	✓	✓
TYP 23 FR2 – Journey Ticket	✓	✓	✓	✓
TYP 24 – Journey Ticket with Reservations and Special Restrictions	✓	✓	✓	✓
TYP 25 – Travel Voucher				
TYP 26 – Open System Tolling				
TYP 27 – Period Pass (space saving)	✓	✓	✓	n/a
TYP 28 – Carnet (space saving)	✓	✓	✓	n/a
TYP 29 – Multi Journey Ticker (space saving) – FR1	✓	✓	✓	n/a
TYP 29 – Multi Journey Ticker (space saving) – FR2	✓	✓	✓	n/a
Transient Ticket Log FR 1	✓	✓	✓	n/a
Transient Ticket Log FR 2	✓	✓	✓	n/a
Transient Ticket Log FR 3	✓	✓	✓	n/a
Transient Ticket Log FR 4	✓	✓	✓	n/a

Schedule A (cont.)

The optional functionality supported by this device is shown in the following tables:

Hot listing support			
Multi (0602)	Manually Block	Manually Unblock	Storage
✓	✓	✓	1,048,576 kB

Action list support		
Single (OC03)	Multi (0603)	Storage
✓	✓	1,048,576 kB

Action list Action to Take (ATT) support															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Interoperability/parameter list support/multi record receipt of multiple types				
ListFR1 Receive 0Axx	List FR1 Receive 0Bxx	List FR2 Receive 0Axx	List FR2 Receive 0Bxx	Receive multiple types 0600

Miscellaneous						
POST HOPS queries	Additional Shell Data 0807	Log 1	UD Frames Generate 0Exx	UD Frames Receive 0Exx	UD Frames Generate 0Fxx	UD Frames Receive 0Fxx
	✓	✓				

RSPS3002 Rail Supplementary Functions							
Check in	Check out	Undo Check in	Break of Journey	Inter- change	Pass Activation	Lists	Inspection
✓	✓	✓	✓	✓	✓	✓	✓

Schedule A (cont.)

Benchmarking Times

n/a

Schedule B

List of conditions and/or constraints applied by ITSO:

The Unicard Remote POST Server does not support the following:

- The reversal of TrxReversal.
- Auto renew before the expiry of IPE.
- Auto renew before all stored tickets are consumed.

The original expiry date, 17th March 2029, of this certificate has been amended to 23rd November 2028 due to the device not being verified with the new extended DTS EPOCH.



Certificate No. C-00177-1

ITSO Certificate of Compliance

Supplier: **Unicard Limited**

Product/service: **Unicard Remote POST Server**

Version: **4.0.0.1**

This is to certify that the above product/service has been tested as required by ITSO for compliance against:

ITSO TS 1000 Specification Version: 2.1.4 Corrigendum 9

**Test Report Ref: Test Report – RPS-1623679655 – Unicard Remote POST
Server Recertification of C00177**

This product supports the functions: ITSO Remote POST Server and communicates within an ITSO environment as listed in Schedule A of this Certificate.

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

Signed for and on behalf of ITSO: _____

Name: **Darren Marshall-Sewell**

Title: **Technology Manager**

Dated: **10th June 2022**

Certificate Valid until: **23rd November 2028**