

**Unicard Limited**

Peartree Business Centre
Cobham Road
Wimborne
BH21 7PT

7th April 2025

ITSO POST Compliance Certificate

Certificate Number: C00045-12 (PT)
Product/Service name: PersoPOST PSEngine, version 3.81.5.1
Compliant with: ITSO TS 1000 Specification Version 2.1.5 (Phase 2 Partial Implementation)

Dear Michael,

ITSO received a request submitted by Unicard Limited, for the certification of the PersoPOST PSEngine (software version 3.81.5.1). As indicated in Certification Test Report (ref. Test Report POST-1718966935 – Unicard Personalisation POST PSEngine – Recertification of C00045-11), ITSO has found reasonable evidence that the submitted product/service complies to ITSO TS 1000 Specification Version 2.1.5 (Phase 2 – Partial Implementation)

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 for 2 years from date of 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 2.1.5 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.

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PersoPOST PSEngine



Schedule A

PC based software library Personalisation POST, PSEngine with X501 USB reader.

The CM supported by this device is shown in the following table:

CM	CMD2	CMD4	CMD7 SFR1	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 IFR1 – Entitlement		✓		
TYP 14 IFR2 – Entitlement		✓		
TYP 16 IFR1 – ITSO ID & Entitlement		✓		
TYP 16 IFR2 – ITSO ID & Entitlement		✓		
TYP 17 – Loyalty (Type 2)				
TYP 22 IFR1 – Area Based Ticket		✓	✓*	
TYP 22 IFR2 – Area Based Ticket		✓	✓*	
TYP 23 IFR1 – Journey Ticket		✓	✓*	
TYP 23 IFR2 – 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)		✓		
TYP 28 – Carnet (space saving)		✓		
TYP 29 – Multi Journey Ticket (space saving) – FR1		✓		
TYP 29 – Multi Journey Ticket (space saving) – FR2		✓		
Transient Ticket Log FR 1		✓	n/a	n/a
Transient Ticket Log FR 2		✓	n/a	n/a
Transient Ticket Log FR 4		✓	n/a	n/a

**Initial load*

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

Action list support		
Single (OC03)	Multi (0603)	Storage

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 B

List of conditions and/or constraints applied by ITSO:

- i. The following Phase 2 features have been certified:
 - a. EPOCH
 - b. TYP14 IFR2
 - c. TYP16 IFR2
- ii. For CMD2, creation of the ITSO Shell and any associate IPEs is only supported using the certified CMD2 C00204.
- iii. The PSEngine only supports the creation of CMD2 with FCI Proprietary Template.
- iv. The PSEngine only supports the creation of CMD2 with software anti-tear Type A (Parameter EF C5 = 01).
- v. The PSEngine only supports the creation of CMD2 using selection by Path (Parameter EF C7).
- vi. Supplementary Data Message are not supported.
- vii. The PSEngine does not support transaction reversal (or reversal of reversal).



Certificate No. C00045-12 (PT)

ITSO Certificate of Compliance

Supplier: **Unicard Limited**
Product/service: **PersoPOST PSEngine**
Version: **3.81.5.1**

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

ITSO TS 1000 Specification Version: 2.1.5 (Phase 2 Partial Implementation)

**Test Report Ref: Test Report POST-1718966935 – Unicard Personalisation
POST PSEngine – Recertification of C00045-11**

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 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: **7th April 2025**

Certificate Valid until: **6th April 2027**

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