

**Paragon ID**

Stockholm Road  
Hull  
HU7 0XY

8<sup>th</sup> June 2021

**ITSO POST Compliance Certificate**

Certificate Number: C-00005-4  
Product/Service name: PersoniQ Personalisation POST, version 2.0.0.1  
Compliant with: ITSO TS 1000 Specification Version 2.1.4 Corrigendum 9

Dear Martin,

ITSO received a request submitted by Paragon ID, for the certification of the PersoniQ Personalisation POST (software version 2.0.0.1). As indicated in Certification Test Report (ref. Test Report Paragon ID – PersoniQ Personalisation POST), 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, Paragon ID 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 Paragon ID 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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## Schedule A

ITSO Manufacturer ID: 000075

PersoniQ PersoPOST is a ITSO card printing system that uses a Matica XID printer. Its primary use is for the issue of transport related cards being generated from a customer's Card Management System (CMS). PersoniQ PersoPOST is a Microsoft .NET 4 application that runs on a Windows platform (XP, Windows 7, Windows 8 and Windows 10) and must have access to a SQL database (2008 R2 and all newer SQL versions). The XID printer is fitted internally with an Elatec TWN4 MultiTech 2 card reader. The system requires a locally fitted ISAM in either an Omnikey 6121 or ACS ACR39T-A1 reader. The system communicates to both the CMS and HOPS using web service calls secured by SSL certificates. Its usage is in a secure area, by trained operators.

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

CM	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)				
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				
Transient Ticket Log FR 2				
Transient Ticket Log FR 3				
Transient Ticket Log FR 4				

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## **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 A (cont.)**

**Benchmarking Times**

**N/A**

**Image of POST**



## **Schedule B**

List of conditions and/or constraints applied by ITSO:

- i. The card reader tested with the PersoniQ PersoPOST was the Omnikey 5321.
- ii. HOPS to POST type Class 2 messages not supported.
- iii. Long Message with Data#=1 not supported.
- iv. The PersoPOST does not have time out mechanism. The system fetches any 'ACK/NAK' files. Received NAK files are identified to the program immediately and functionality suspended.
- v. The PersoniQ system can support a number of modes to control the expiry date applied to an IPE 16 and IPE 14 product.
  - 1. Use same expiry as the shell (or Never Expire)
  - 2. Use the expiry date specified by the host CMS
  - 3. Use a calculated method
  - 4. Use a fixed number of months



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# ITSO Certificate of Compliance

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Supplier: **Paragon ID**

Product/service: **PersoniQ Personalisation POST**

Version: **2.0.0.1**

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 Paragon ID – PersoniQ Personalisation POST**

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:** **8<sup>th</sup> June 2021**

**Certificate Valid until:** **7<sup>th</sup> June 2028**

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