



INIT Innovative Informatikanwendungen in Transport-, Verkehrs- und Leitsystemen GmbH
Kaeppelestraße 4-10
Karlsruhe
Baden-Wuerttemberg
76131
Germany

23rd March 2021

ITSO POST Compliance Certificate

Certificate Number: C00205
Product/Service name: EVENDpc2, version 21.13 (Feig 04.19)
Compliant with: ITSO TS 1000 Specification Version 2.1.4 Corrigendum 9

ITSO received a request submitted by INIT Innovative Informatikanwendungen in Transport-, Verkehrs- und Leitsystemen GmbH, for the certification of the EVENDpc2 (software version 21.13 (Feig 04.19)). As indicated in Certification Test Report (ref. POST-1594196577 - INIT - EVENPC - Test Report), 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, INIT Innovative Informatikanwendungen in Transport-, Verkehrs- und Leitsystemen GmbH 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 INIT Innovative Informatikanwendungen in Transport-, Verkehrs- und Leitsystemen GmbH 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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EVENDpc2



Schedule A

The EVENDpc2 uses the Unicard POST Kernel – Housekeeping ver.2.1.5.1
HL2.DLL ver.5.0.2.1, Terminal 2.15.1.1 (Certificate C00163-2 expiring August 2027)

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	Create	Modify	Delete	Accept
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	✓	✓	N/A	✓

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Registered address Aurora House, Deltic Avenue, Milton Keynes, MK13 8LW

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
✓			750,000 items

Action list support		
Single (OC03)	Multi (0603)	Storage
✓	✓	150,000 items

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

Average read over test – milliseconds (mS)		
	CMD2	CMD7
IPE with Transient Ticket Record Creation	270.10	237.47
IPE with Value Record Data Group Modification	361.72	267.95

Image of POST



Foto: INIT GmbH

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Schedule B

List of conditions and/or constraints applied by ITSO:

The Init EVENDpc2 does not support the following:

- i. The reversal of TrxReversal.
- ii. Auto renew before the expiry of IPE.
- iii. Auto renew before all stored tickets are consumed.
- iv. Generation of 0310 Supplementary Data Message.
- v. Generation of 0801 Supplementary Data Message.
- vi. Entry closed system without product selection.
- vii. Exit closed system without product selection on entry.
- viii. Entry to closed system with product selection on entry.
- ix. Exit to closed system with product selection on entry.
- x. Inspection only without product selection on entry.
- xi. Inspection only with product selection on entry.
- xii. Inspection with product selection.
- xiii. Generation of Long Message with Data# = 1.



Certificate No. C00205

ITSO Certificate of Compliance

Supplier: **INIT Innovative Informatikanwendungen in Transport-,
Verkehrs- und Leitsystemen GmbH**

Product/service: **EVENDpc2**
Version: **21.13 (Feig 04.19)**

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: POST-1594196577 - INIT - EVENPC - Test Report

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: **21st April 2021**

Certificate Valid until: **20th April 2028**

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