



VISA
The Torus Building
Rankine Avenue
East Kilbride
G75 0QF

16th June 2021

ITSO POST Compliance Certificate

Certificate Number: C-00118-3
Product/Service name: Remote Ticket Download (RTD), version 6.1
Compliant with: ITSO TS 1000 Specification Version 2.1.4 Corrigendum 9

ITSO received a request submitted by VISA, for the certification of the Remote Ticket Download (RTD) (software version 6.1). As indicated in Certification Test Report (ref. RPS-1615564277 - VISA - RTD 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, VISA 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 VISA 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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Remote Ticket Download (RTD)



Schedule A

The VISA RTD POST is a Remote POST Server, hosted in a secure facility and is a Retailing device and not a usage POST. The Customer Media interface is local to the customer connecting to the server via a client.

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 Ticker (space saving) – FR1				
TYP 29 – Multi Journey Ticker (space saving) – FR2				
Transient Ticket Log FR 1				
Transient Ticket Log FR 2				
Transient Ticket Log FR 3				
Transient Ticket Log FR 4				

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
✓			16,777,215 KB*

Action list support		
Single (OC03)	Multi (0603)	Storage
✓	✓	16,777,215 KB*

*RTD uses database server to store list items so only limited to maximum allowed by the 0803 message (FFFFFF)

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
n/a	n/a	n/a	n/a	n/a	✓	✓	n/a



Schedule B

List of conditions and/or constraints applied by ITSO:

- i. The card reader tested with the Remote POST Server was the Omnikey 5321
- ii. Reversal of a transaction reversal is not supported.
- iii. IPE Data Group modifications not supported (in line with TN0402)
- iv. STR IPE ownership transfer not supported
- v. Enable Auto-renew not supported
- vi. Auto renew before expiry not supported (not a usage device)
- vii. Log handling not supported (not a usage device)
- viii. Auto top-up not supported (not a usage device)



Certificate No. C-00118-3

ITSO Certificate of Compliance

Supplier: **VISA**

Product/service: **Remote Ticket Download (RTD)**
Version: **6.1**

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: RPS-1615564277 - VISA - RTD 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: **Certification & Compliance Manager**

Dated: **16th June 2021**

Certificate Valid until: **30th September 2027**

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