



Certificate No. C – 00160-1

ITSO Certificate of Compliance

To: Parkeon Transit Limited
10 Willis Way, Fleets Industrial Estate, POOLE, BH15 3SS, UK

For: Parkeon Wayfarer 6 (release 1.8.1605.0; iTrans v2.25.6277.21124)

This is to certify that the above product has been tested as required by ITSO for compliance against ITSO TS 1000 Specification Version: 2.1.4 Corrigendum 9

Test Report Ref: 17032017 – Parkeon_Wayfarer6- P_2.1.4_DR – V.3.1

Dated: 17th March 2017

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 :

Title: Company Secretary

Dated : 11th April 2017

Certificate Valid until : 10th April 2024



Schedule A

ITSO Manufacturer ID.: 000240

This is an 'on-bus' device by design but it can be used as a point of sale terminal if required. It is mounted on a bespoke tray that houses the connections for all peripheral devices and power.

The Parkeon Wayfare6 POST handles smartcards that conform to the ISO14443 A/B standard.

The POST supports Hot Listing and Action Listing (although not ATT15 – see Schedule B)

List of all Customer Media, IPE's and functions that were included in the testing procedure:

IPE	Create	Modify	Accept	Delete
TYP 0 – Private Application		N/A	N/A	
TYP 2 – Stored Travel Rights	✓	✓	✓	✓
TYP 14 – Entitlement	✓	✓	✓	✓
TYP 16 – ITSO ID and Entitlement	✓	✓	✓	✓
TYP 22 – Area based ticket (FR1 and FR2)	✓	✓	✓	✓
TYP 23 – Journey Ticket (FR1 and FR2)	✓	✓	✓	✓
TYP 24 – Journey Ticket with Reservations and Special Restrictions	✓	✓	✓	✓
TYP 27 – Period Pass (space saving)	✓	✓	✓	✓
TYP 28 – Carnet (space saving)	✓	✓	✓	✓
TYP 29 – Multi Journey Ticket (space saving) FR1 and FR2	✓	✓	✓	✓
Transient Ticket (FR1 – 4)	✓ (FR4 only)		✓	N/A

This POST communicates with and meets the off-line bus ETM benchmark timing standards for CMD1,2,3,4,7 & 8

	Average over tests
CMD1	390mS
CMD2	590mS
CMD3	440mS
CMD4	358mS
CMD7	556mS
CMD8	463mS



Device Image



Schedule B

List of the conditions and/or constraints applied by ITSO.

- This POST does not support operating in a closed system
- LOC4 format is not supported by the POST for usage transactions
- POST does not support Sale price table usage because of the fares engine that Parkeon uses does not require this feature
- Set based Class2 messages are not supported by the POST
- Action To Take code 15 (0x0E) is not supported by the POST
- Changing the STR owner before first use is not supported as this POST operates in an uncontrolled environment
- This POST does not allow IPEs to be automatically selected based on best value fare – however, the best value fare can be manually selected
- When a CM is prematurely removed & represented, the POST does not continue the transaction from the interruption point, but starts a new transaction
- The POST does not support requesting messages from a HOPS by individual message class, or by ISAM group
- The POST proxy does not request downloads of individual class files. The class parameter is not used, use of a proxy and the ISAMs are all on remote (non-static) devices.

Optional functionality not supported:

- The optional messages 0Exx & 0Fxx (User Defined message), 0310 & 0801 (Supplementary Data message) and 0807 (Additional Shell Data message) are not supported
- The creation of long (HASH-sealed) messages is not supported
- The POST does not support the optional controlled download request, as it operates in an uncontrolled environment