Dear Mrs. GIRE,

The Certification Body PayCert has received a request, submitted by Paragon ID, your company, for the Certification of the PICC product TanGO+ Flash S Contactless type B (IC type: SLC32TDA160G5, Application Type: Calypso v3.2, Antenna: SLC32 SC-Class 1, Card body: PVC plastic), hereafter referred to as the Product and identified above as “TanGO+ Flash S Contactless type B”.

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.PRG.PICC.CEN16794.2017.2021-005B and we have assessed your Test Report(s) (ref. (analog): IC.E.RE.1912.028_v1.0), which was generated by ICUBE, following the Test Plan “CEN/TS 16794-2:2017”.

Based on these elements, as indicated in PayCert’s Certification Report (ref. CER/EVR/PIC/2020-011 v1.0.1) the Certification Body has found reasonable evidence that the submitted samples of the Product complies to the CEN/TS 16794-1:2017.

The Certification Body hereby grants the Product Certification of compliance with the requirements stated by the CEN/TS 16794-1:2017 standard and will include your Product in the certified products list, published on PayCert website (www.cna-paycert-certification.com).
Please note that the present Certification is subject to the following terms and conditions as listed hereafter:

i) The present Certification is granted on the basis of the Smart Ticketing Alliance Certification Policy and therefore is valid as of today and will expire on the 29. January 2027.

ii) If the Product is changed, Paragon ID must notify the Certification Body of this fact in writing. Any change in the Product that may generate a different behaviour with respect to the CEN/TS 16794-1:2017 standard or a difference in the Product Implementation Conformance Statement will 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.

The Certification Body has the right to terminate or revoke the Certification should any of the aforementioned terms and conditions be not respected.

The present certification letter supersedes the certification letter ref. CER/CLE/PIC/2021-049 v1.0.1 issued on 19/01/2022
1.1 PICC Product Description

[PICC1] Administrative data

[PICC1.1] (*) Brand name: TanGO+ Flash
[PICC1.2] (*) Trade name: TanGO+ Flash
[PICC1.3a] (*) Hardware version: N/A
[PICC1.3b] (*) Software version: v2

[PICC1.4] (*) PICC features ISO/IEC 7816 contact interface (dual): Yes

[PICC1.5] (*) IC manufacturer: Infineon

[PICC1.6] (*) IC reference / size: SLC32TDA180G5 / 180 Kbytes

1.2 PICC General Technical Characteristics

[PICC2] General technical characteristics

[PICC2.2] (*) Reference of PICC Zero Point (target ID-marked on sample or photo or diagram):

![Diagram of PICC dimensions]

15.4 mm
11.6 mm
48.0 mm
78.4 mm

Center of the card

[PICC2.3] (*) Operational temperature range supported:

- Class A (Ambient)
- Class I (-10 °C to + 50 °C)

[PICC2.4] (*) Antenna class according to ISO/IEC 14443:

- Unclassified
- "Class 1"
- "Class 2"
- "Class 3"
1.3 PICC Supported Options

PICC3 Protocol characteristics

PICC3.1 (*) Protocol(s) supported: Type A ☐ Type B ☒ Other: Click here to enter text.

PICC5 Type B (where applicable)

PICC5.1 (*) PCD -> PICC bit rates supported: ☒ fc/128 (~106 kbit/s)
Other: fc/64 (212 kbit/s), fc/32 (424 kbit/s)

PICC5.2 (*) PICC -> PCD bit rates supported: ☒ fc/128 (~106 kbit/s)
Other: fc/64 (212 kbit/s), fc/32 (424 kbit/s)

PICC5.3 (*) Only symmetrical bit rates supported:
☐ Yes ☒ No

PICC5.4 (*) PUPI value:
☐ Fixed number ☒ Random number

PICC5.9 (*) Extended ATQB support:
If yes, SFGI: 0

PICC5.10 (*) S(PARAMETERS) support:
☐ Yes ☒ No

PICC5.11 (*) All AFIs are supported:
☐ Yes ☒ No
If not, indicate all supported AFI(s): 00, 10

PICC5.12 (*) REQB/WUPB with N > 1 support:
☐ Yes ☒ No