



On behalf of STA

Certification Body : **CNA-PayCert**

48 rue Montmartre

75002 Paris

France

Paris, 24/03/2021

Mr. Claude GIRE

Paragon ID

Parc d'activité de l'Argile, Lot 123 - Voie K, 460 Avenue de Quiera

06370 Mouans-Sartoux

France

CEN TS 16794 Compliance Certificate - PICC

Certificate Number: CNAPC/PIC-00020
Product/System name: TanGO+ Flash Dual type B (commercial identification)
Compliant with : CEN/TS 16794-1:2017
Operational temp. range : Class I (-10°C to +50°C)
ISO 14443 antenna class : Class 1
Protocol supported : type B

Dear Mr. Claude GIRE,

CNA-PayCert has received a request, submitted by Paragon ID, your company, for the Certification of the PICC product TanGO+ Flash Dual type B (IC type: SLC32TDA160G5 / 180G5,, Application Type: Calypso v3.2, Antenna : QUA-ST-799 – class 1, Card body : PVC), hereafter referred to as the Product and identified above as “TanGO+ Flash Dual type B”.

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.PRG.PICC.CEN16794.2017.2019-026 and we have assessed your Test Report(s) (ref. (analog) : IC.E.RE.1912.026_v1.0, (digital) : IC.E.RE.1912.030_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/2020-010 v1.0.0) the Certification Body has found reasonable evidence that the submitted samples of the Product complies to the CEN/TS 16794-1:2017.



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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 CNA-PayCert website (<http://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 28 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/2020-010 v1.0.0 issued on 28/01/2020**

Name: Ludovic VERECQUE

Title: General Manager



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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

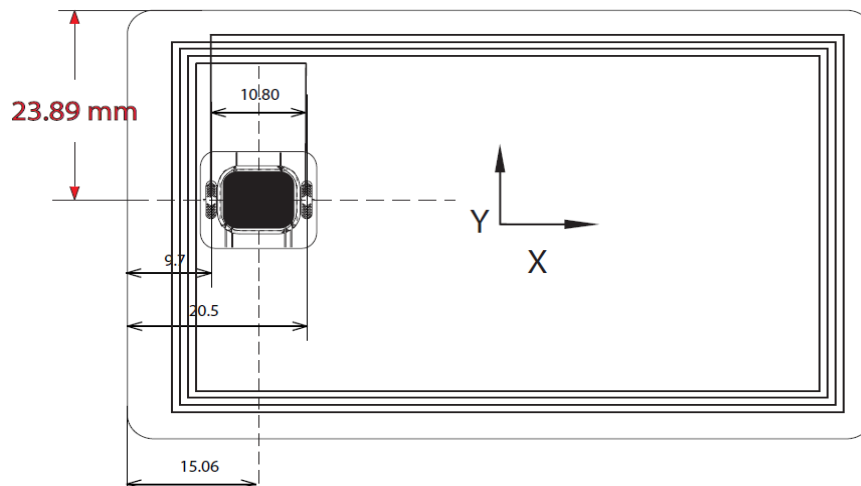
[PICC1.4] (*) PICC features ISO/IEC 7816 contact interface (dual): Yes
 No

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

[PICC1.6] (*) IC reference / size: SLC32TDA160G5-SLC32TDA180G5 / 160 or 180K

1.2 PICC General Technical Characteristics

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



[Click here to enter text.](#)

[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:



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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: Yes No
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] (*) REQW/WUPB with N > 1 support: Yes No