Paris, 29/01/2020

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-00021

Product/System name: TanGO+ Flash Dual type A (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 A

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 A (IC type: SLC32TDA180G5, 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 A".

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.PRG.PICC.CEN16794.2017.2019-025 and we have assessed your Test Report(s) (ref. (analog) : IC.E.RE.1912.025_v1.0, (digital) : IC.E.RE.1912.029_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/2020-008 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.

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 29/01/2027.

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 aformentionned terms and conditions be not respected.

Name: Ludovic VERECQUE

Title: General Manager

a. PICC Product Description

[PICC1] Administrative data

[PICC1.1] (*) Brand name: TanGO+ Flash

[PICC1.2] (*) Trade name: TanGO+ Flash

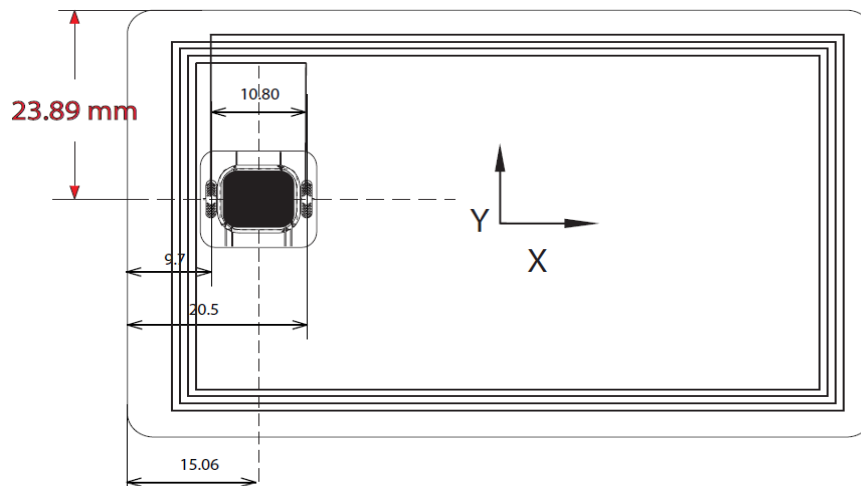[PICC1.3a] (*) Hardware version: N/A

[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: SLC32TDA180G5 / 180 Kbytes

Click here to enter text.

[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:

    ○ Unclassified   ◉ "Class 1"   ○ "Class 2"   ○ "Class 3"

On behalf of STA

b. PICC Supported Options

[PICC3]   Protocol characteristics

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

[PICC4]   Type A (where applicable)

    [PICC4.1] (*) PCD -> PICC bit rates supported: ◉ fc/128 (~106 kbit/s)

        Other: fc/64 (212 kbits/s), fc/32 (424 kbit/s)

    [PICC4.2] (*) PICC -> PCD bit rates supported: ◉ fc/128 (~106 kbit/s)

        Other: fc/64 (212 kbit/s), fc/32 (424 kbit/s)

    [PICC4.3] (*) Only symmetrical bit rates supported: ○ Yes   ◉ No

    [PICC4.4]   UID: ○ Single size (4 bytes)   ◉ Double Size (7 bytes)

        ○ Triple size (10 bytes)

    [PICC4.5] (*) UID value: ◉ Fixed number   ○ Random number

    [PICC4.11] (*)   S(PARAMETERS) support: ○ Yes   ◉ No